(13)

OFFICE OF THE MUNICIPAL COUNCIL
PORT BLAIR

DETAILED ESTIMATE

Estimate No 03/EE-III/PBSPL/MC/2020-21

Name of Work Marine esplanade: Marina road restructuring with uni... carriage way, walking track, street lighting, st... furniture, service core trenching and land scaping.

Scheme

Ward no

ESTIMATED COST

Work Outlay	₹.9,92,24,193.00
Departmentaly Charge	₹.0.00
Total	₹.9,92,24,193.00

Total Estimated Cost : ₹.9,92,24,193.00

PHYSICAL TARGET OF WORK

PORT BLAIR MUNICIPAL COUNCIL

PLANNING SECTION

MUNICIPAL COUNCIL, PORT BLAIR

(12)

PUBLIC WORKS WING

Estimate No :	03/EE-III/PBSPL/MC/2020-21	For
Name of Work:	Marine esplanade: Marina road restructuring with uniform carriage way, walking track, street lighting, street furniture service core trenching and land scaping.	
Sub work		
Fund:	PBSPL	
Major Head:		of
Minor Head:		of
Estimate Framed by of Propable cost of	Shri.Avinash Kumar Singh, ₹.9,92,24,193.00	Executive Engineer-III (Works)

REPORT

This estimate amounting to ₹.9,92,24,193.00 (W-O) has been framed to cover the probable cost of the above named work and to obtain necessary A/A,E/S & T/S from the competent authority

HISTORY

This estimate is prepared under PBSPL vide Project I.D.No- A-24 comprising with the components such as Sea prominate into the sea with leisure activity zones, Sea food with party and sitting facilities for the tourist along with electrical elumination cross drainage, walkways with jogging tracks. Hence this estimate is framed and forwarded for obtaining A/A, E/S & T/S from competent authority.

Design & Scope	:-	Sea wall 400mtrs, Benches, 1.40 km jogging tracks/ walkways, service ducts, drainage system, tree plantation and electrification works.
Cost	:-	₹.9,92,24,193.00
Method	:-	Contract
Rate	:-	CPWD DSR 2018 and Market Rate
Time	:-	06 (Six) Months from the date of commencement
T & P	:-	Special T & P is required
Status Land	:-	Revenue/ PBMC land
Public benifited and its purpose	:-	Council and General Public should be benefited.
Correctness of estimate.	:-	Esimate framed as per CPWD DSR 2018 and Market Rate.

Executive Engineer-III (Works)
Municipal Council

ame of work : Marine esplanade : Marina road restructing with uinform carriage way , walking track, street lighting, street furniture, service core trenching and land scaping.

Sl.No.	Description of work	unit	Qty	Rate	Amount
1	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan). including dressing of sides and ramming of bottoms, lift upto 1.5 m. including getting out the excavated soil and disposal of surplus excavated soil as directed. within a lead of 50 m. All kinds of soil.	cum	2082.15	166.4	346469.76
2	Excavation work by mechanical means Hydraulic excavator)/ manual means in foundation trenches or drains (not exceeding 1.5m in width or 10 sqm on plan). including dressing of sides and ramming of bottoms. lift upto 1.5 m. including getting out the excavated soil and disposal of surplus excavated soils as directed. within a lead of 50 m. Hard rock (blasting prohibited)	cum	240	656.7	157608
		cum	148.43	2700 -NS	400761
3	Filling with available pulverised sand	cum	224.86	4478.15	1006956.809
4	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:4:8 (1 Cement : 4 coarse sand (zone-III) : 8 graded stone aggregate 40 mm nominal size)				
5	Providing and laying in position machine batched and machine mixed design mix M-25 grade cement concrete for reinforced cement concrete work. using cement content as per approved design mix. including pumping of concrete to site of laying but excluding the cost of centering. shuttering. finishing and reinforcement. including admixtures in recommended proportions as per IS: 9103 to accelerate. retard setting of concrete. improve workability without impairing strength and durability as per direction of Engineer-in-charge."(Note :- Cement content considered in this item is @ 330 kg/cum."Excess/ less cement used as per design mix is payable/recoverable separately). All works upto plinth level	cum	1196	6446.45	7709954.2
		cum	156	474.5	74022
6	Extra for laying reinforced cement concrete in or under water and/ or liquid mud. including cost of pumping or bailing out water and removing slush etc., complete.				
7	Providing and laying in position machine batched and machine mixed design mix M-25 grade cement concrete for reinforced cement concrete work. using cement content as per approved design mix. including pumping of concrete to site of laying but excluding the cost of centering. shuttering. finishing and reinforcement. including admixtures in recommended proportions as per IS: 9103 to accelerate. retard setting of concrete. improve workability without impairing strength and durability as per direction of Engineer-in-charge."(Note :- Cement contentconsidered in this item is @ 330 kg/cum."Excess/ less cement used as per design mix is payable/recoverable separately). All works above plinth level upto floor V level	cum	1539.69	7250.05	11162829.48
		cum	1569.69	208.5	327280.365
8	Extra for providing richer mixes at all floor levels. Note:- Excess/less cement over the specified cement content used is payable /recoverable separately. Providing M-40 grade concrete instead of M-25 grade BMC/ RMC.(Note : Cement content considered in M-40 is @ 360 kg/ cum)	kg	220775.20	56.6	12495876.32
9	Steel reinforcement for R.C.C. work including straightening. cutting. bending. placing in position and binding all complete upto plinth level. Thermo-Mechanically Treated bars of grade Fe-500D or more.	sqm	2776.00	172.954	480120.304
10	12 mm plaster 1:4	sqm	920	193.5	178020
11	Centering and shuttering including strutting. propping etc. and removalof form work for : Foundations. footings. bases for columns	sqm	7200.00	378.6	2725920
12	Centering and shuttering including strutting. propping etc. and removal of form work for : Retaining walls. return walls. walls (any thickness) including attached pilasters. buttresses. plinth and string courses fillets.kerbs and steps etc.	sqm	1200.00	454.32	545184
13	Centering and shuttering including strutting. propping etc. and removal of form for all heights : Extra for shuttering in circular work (20% of respective centering and shuttering items)	sqm	2220.00	342.9	761238
14	Centering and shuttering including strutting. propping etc. and removal of form for all heights : Lintels. beams. plinth beams. girders. bressumers and cantilevers	sqm	304.00	467.85	142226.4
15	Centering and shuttering including strutting. propping etc. and removal of form for all heights : Columns. Pillars. Piers. Abutments. Posts and Struts	metre	1000	5500 NS	5500000
16	Providing and fixing FRP Pultruded hand rail with PU coating with 50x506mm post. top ergonomic hand rail 70x65x4mm mild omega shaped 80x4mm Toe/knee plate 80x3 mm with FRP Foot mount & SS 316 L fasteners Height 600mm AND FRP post at every 1.5 meter as per the direction of the engineer in charge				
17	Providing and laying factory made chamfered edge Cement Concretepaver blocks In foot path, park & lawns driveway or light & trafficparking etc. of required strength, thickness & size/ shape. made bytable vibratory method using PU mould, laid in required colour &pattern over 50mm thick compacted bed of course sand, compactingand proper embedding/laying of inter locking paver blocks into thesand bedding layer through vibratory compaction by using platevibrator, filling the joints with sand and cutting of paver blocks as perrequired size and pattern, finishing and sweeping extra sand, allcomplete as per manufacturer's specifications & direction of Engineerin-Charge. 80mm thick Cement concrete paver block of M-35 gradewith approved colour, design & pattern.	sqm	5840	1855 NS	10833200
18	Painting with silicon & acrylic emulsion based water thinnable sealer of approved brand and manufacture on wet or patchy portion of plastered surfaces : Two coats	sqm	1576.00	90.05	141918.8
19	Demolishing R.C.C. work manually/ by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 metres lead as per direction of Engineer - in- charge.	cum	261.20	1454.55	379928.46
20	Demolishing cement concrete manually/ by mechanical means and disposal of material within 50 metres lead as per direction of Engineerin-charge cum Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix)	cum	510.00	997.05	508495.5
21	Dismantling tile work in floors and roofs laid in cement mortar including stacking material within 50 metres lead. For thickness of tiles 10 mm to 25 mm	cum	1500	31.5	47250
22	Preparation and consolidation of sub grade with power road roller of8 to 12 tonne capacity after excavating earth to an average of 22.5cm depth, dressing to camber and levelsbalance with road rollermending making good the undulations etc. and re-rolling the sub grade and disposal of surplus earth with lead upto 50 metres	sqm	~~1500~~	~~6336.05~~	~~Rate 95~~

23	Supplying and stacking at site. 90 mm to 45 mm size stone aggregate	cum	192	1336.05	256521.6
24	Supplying and stacking at site. 63 mm to 45 mm size stone aggregate	cum	144	1449.3	208699.2
25	Supplying and stacking at site. 53 mm to 22.4 mm size stone aggregate	cum	144	1542.25	222084
26	Supplying and stacking at site. Stone screening 13.2 mm nominal size (Type A)	cum	67.5	1505.6	101628
27	Supplying and stacking at site. Stone screening 11.2 mm nominal size (Type B)	cum	31.5	1462.05	46054.575
28	Supplying and stacking at site. Moorum	cum	40.5	643.2	26049.6
29	Laying, spreading and compacting stone aggregate of specified sizes to WBM specifications in uniform thickness, hand picking, rolling with 3 wheeled road / vibratory roller 8-10 tonne capacity in stages to proper grade and camber, applying and brooming requisite type of screening / binding material to fill up interstices of coarse aggregate, watering and compacting to the required density.	cum	375	449.1	168412.5
30	Providing and applying tack coat using hot straight run bitumen ofgrade VG - 10, including heating the bitumen, spraying the bitumenwith mechanically operated spray unit fitted on bitumen boiler, cleaning and preparing the existing road surface as per specifications : On W.B.M. @ 0.75 Kg / sqm	sqm	1500	36.4	54600
31	Providing and applying tack coat using hot straight run bitumen of grade VG - 10, including heating the bitumen, spraying the bitumen with mechanically operated spray unit fitted on bitumen boiler, cleaning and preparing the existing road surface as per specifications : On bituminous surface @ 0.50 Kg / sqm	sqm	1500	27.5	41250
32	Providing and laying bituminous macadam using crushed stone aggregates of specified grading premixed with bituminous binder, transported to site by tippers, laid over a previously prepared surface with paver finisher equiped with lectronic sensor to the required grade, level and alignment and rolling with smooth wheeled, vibratory and tandem rollers as per specifications to achieve the desired compaction and density, complete as per specificatons and directions of Engineer-in-Charge. 50 to 100 mm average compacted thickness with bitumen of grade VG-30 @ 3.50% (percentage by weight of total mix) prepared in Drum Type Hot Mix Plant of 60-90 TPHcapacity.	cum	30	5606.1	168183
33	2.5 cm thick bitumastic sheet with hot bitumen of approved quality, using stone chippings (60% with 12.5 mm nominal size and 40% with 10 mm nominal size) @ 1.65 cum per 100 sqm and coarse sand @ 1.65 cum per 100 sqm of road surface and with bitumen @ 56 kg/cum of stone chippings and @ 128 kg/cum of sand over a tack coat with hot straight run bitumen, including consolidation with road roller of 8 to 10 tonne etc. complete. (tack coat to be paid separately) : With paving Asphalt grade VG - 30	sqm	1500	215.75	323625
34	Providing and applying 2.5 mm thick road marking strips (retroreflective) of specified shade/ colour using hot thermoplastic material by fully/ semi automatic thermoplastic paint pplicator machine fitted with profile shoe, glass beads ispenser, propane tank heater and profile shoe heater, driven by experienced operator on road surface including cost of material, labour, T&P, cleaning the road surface ofall dirt, seals, oil, grease and foreign material etc. complete as perdirection of Engineer-in-charge and accordance with applicable specifications.	sqm	300	391.25	117375
35	Supplying and application of Epoxy concrete bonding agent (conforming to having BIS 6319 Certification) and over cleaned and properly prepared old concrete surface to give good bonding between old and new concrete including cost of all material minor tools etc complete.	sqm	1800	762 M/S	1371600
36	Providing and fixing Victorai bench of standard size as per the direction of engineer in charge	Nos	80	20000 M/S	1600000
	ELECTRICAL				
	Part A : Supply of Streetlight System				
1	Supply of 8 Mtr. height decorative Chatsworth pole having cast iron decorative base and pipe dia of 165mm dia & 1 mtr long with cast iron reducer joining with 101mm OD straight pipe. Pole shall be mounted on square base plate. Decorative Cascade bracket with 940mm height mounted on pole. Pole and two brackets at differential height shall be galvanized and painted with PU paint in closed paint chamber with heating treatment in chamber, Make: Keselec Schreder Model: Chatsworth pole with cascade Bracket/ Bajaj Sultan or Surya makes	Nos	50	48144	2407200
2	Supply of Decorative Luminaires for Urban lighting, body made of painted spun aluminum, The protector is made of polycarbonate grade UVresistant (IK 08), Permanently sealed optical compartment with IP66 protection. Luminaire offers tool free access to gear compartment with IP44 protection. Luminaire can be installed as a suspended luminaire. The luminaire is equipped with the LensoFlex2® technology photometric system. PMMA lenses with wide photometry for increased pole spacing. Fixture is having a surge protection of 10KA. Electronic driver is having power factor>0.90*, THD<20*% and input voltage range from 120-227V AC at 50Hz. Luminaire efficacy is 100 im/ watt system lumen greater than 7500 lumens in CCT range of 4000 as per ANSI. System life of 50000 burning hours with 70% of initial lumens maintained. Luminaire is suitable for operating temperature (Ta) from -20 to 50c. Driver can withstand 320V AC for 48 hours and 360V AC for 2 hours. Make: Keselec Schreder Model: PORTO 7075W LED/ Bajaj Borage 75W LED/ Surya SLE PT 75W VEGA or LT company makes	Nos	50	34752	1737600
3	Supply of Decorative Luminaires for Urban lighting, body made of painted spun aluminum, The protector is made of polycarbonate grade UVresistant (IK 08), Permanently sealed optical compartment with IP66 protection. Luminaire offers tool free access to gear compartment with IP44 protection. Luminaire can be installed as a suspended luminaire. The luminaire is equipped with the LensoFlex2® technology photometric system. PMMA lenses with wide photometry for increased pole spacing. Fixture is having a surge protection of 10KA. Electronic driver is having power factor>0.90*, THD<20*% and input voltage range from 120-227V AC at 50Hz. Luminaire efficacy is 100 im/ watt system lumen greater than 7500 lumens in CCT range of 4000 as per ANSI. System life of 50000 burning hours with 70% of initial lumens maintained. Luminaire is suitable for operating temperature (Ta) from -20 to 50c. Driver can withstand 320V AC for 48 hours and 360V AC for 2 hours. Make: Keselec Schreder Model: PORTO 40W LED/ Bajaj Borage 40W LED/ Surya SLE PT 40W VEGA or LT company makes	Nos	50	31152	1557600
4	Providing of XLPE (IS:7098) (I)-88 ISI armoured cable multistrand Aluminium conductor for 1.1 KV. to be laid on wall with necessary clamps or in existing trench/ pipe of 4 core 16 Sq.mm cable	Mtr	1500	204	306000
5	Supply of 50mm DWC pipes of approved make for covering of cable.	Mtr	1200	130.8	156960
6	Supply of Flexible PVC insulated multistrand multicore 1.1 kv grade ISI marked copper wires of following size to be erected as directed : 50 Sq.mm 3 core round PVC sheathed	Mtr	700	52.8	36960

7	Supply of Street light Timer Panel box of size H: 750mm x L: 600mm x D: 300mm of following specification: (a) fabricated from 16 G.M.S sheet, dust & vermin proof having hinged double door, lock & key with rubber gasket and necessary Items (b) Power 3 Pole 70A. 415/ 220V Complete contactor - 1 nos. (c) Astronomical Time switch - 1 nos. (d) 4 Pole C 10KA 63A ELCB+MCB- 1 nos. (e) 1 Pole C 10KA 6 to 32A MCB switch - 6 nos. (f) LED R.Y.B. indicator Supply side - 3 nos. (g) 40A 4 way heavy duty connector - 2 nos. (h) 1 Phase energy meter space (i) All internal complete wiring box (All materials make: L&T, BCH, T.C., Siemens, C&S,schnider) Item includes necessary stand and foundation work as directed by Engineer-In-charge	Nos	2	60000	120000
Part B : Installation,Testing and Commissioning of Streetlight System					

1	Installation of 8 mtr Decorative Pole including excavation and constructing M-20 /1:2:4 cement concrete foundation of size 45x 45 x 120 cms. Deep as directed by Engineer-in-charge.	Nos	50	5000	250000
2	Installation, Testing and Commissioning of 75/40 watt Decorative LED Luminaries	Nos	100	100	10000
3	Excavation and laying of DWC pipe at a 90 mm below the ground level/level below PCC in Jogging trek. Item includes refilling of the sanie trench.	Mtr	1200	100	120000
4	Laying of 4x16 Sqmm Alluminium armoured cable in existing laid DWC pipe/on wall	Mtr	1500	15	22500
5	Erecting of 3 core 1.5 sqmm copper flexible cable in pole from junction box to Luminaries	Mtr	700	2	1400
6	Providing and erecting Pipe type earting with 50mm dia GI pipe of 1500mm long. Item includes excavation and refilling necessary charcol,salt and GI strip for connecting earthing and pole.	Nos	54	1000	54000
7	Erecting , Testing and Commissioning of Streetlight Timer Panel Box. Item includes excavation, RCC foundation.	Nos	2	5000	10000
1	Supplying and fixing of installation FRP box similar to sintex GSMB 10095.1M X 350 X 250	Nos	1.00	19,500.00	19,500.00
2	Wiring for circuit/ submain wiring alongwith earth wire with 4 X 4 sq. mm + 2 X 4 sq. mm earth wire of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required. Make: Finolux/RR Kabel/ Havells	Meter	1,350.00	461.00	6,22,350.00
3	Wiring for circuit/ submain wiring alongwith earth wire with 2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required. Make: Finolux/RR Kabel/ Havells	Meter	2,100.00	227.00	4,76,700.00
4	Supplying and fixing of 4 way Double door, horizontal type three pole and neutral, sheet steel, MCB distribution board, 415 V, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator). Make: Legrand/ Equivalent.	EACH	5.00	10,166.00	50,830.00
5	Supplying and fixing 6A to 32 A rating, 240/415 V, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of in the existing MCB DB complete with connections,testing and commissioning etc. as required single pole. Make: Legrand/ Schneider/ Havells	EACH	18.00	317.00	5,706.00
6	Providing and fixing 100 A, 30kA, FPMCCB rating and breaking capacity and pole MCCB with thermomagnetic release and terminal spreaders in existing cubicle panel board including drilling holes in cubicle panel, making connections, etc. as required.	EACH	6.00	10,311.00	61,866.00
7	Supplying, Installation, Testing and commissioning of Chemical Earthing system with electrode rod type-19, 50mm dia, 3 mtrs (Isc=52.6 rms for 1 sec, peak 125.6) with back fill compound including providing masonary enclosure with cover plate, etc. as required.	EACH	2.00	17,472.00	34,944.00
8	Supplying and laying 25 mm X 5 mm G.I strip at 0.50 meter below ground as strip earth electrode, including connection/ terminating with G.I. nut, bolt, spring, washer etc. as required. (Jointing shall be done by overlapping and with 2 sets of G.I. nut bolt & spring washer spaced at 50 mm)	Meter	24.00	305.00	7,320.00
9	Supplying and installation of 25mm PVC conduit including bend/tee/junction box, etc., as required.	EACH	1,750.00	169.00	2,95,750.00
10	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 kV grade of 35 sq. mm in the existing RCC/ HUME/ METAL pipe as required	Meter	60.00	28.00	1,680.00
11	Supplying and making end termination with brass compression gland and aluminium lugs for 2 X 35sq. mm of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 kV grade as required.	EACH	10.00	222.00	2,220.00
12	Providing and fixing 100 A, TP&N disconnector fuse switch unit inside the existing panel board with ISI marked HRC fuses including drilling holes in cubicle panel, making connections, etc. as required.	EACH	1.00	4,376.00	4,376.00
13	Supplying of ELR / RCCB 63 A, Three phase, 4P , sensitivity 3A	EACH	5.00	6,500.00	32,500.00
14	Fixing of 63 A, four pole, (three phase and neutral), 415 V, residual current circuit breaker (RCCB)) / ELR, having a sensitivity current 1 A in the existing MCB DB complete with connections, testing and commissioning etc, as required.	EACH	5.00	385.00	1,925.00
15	Supplying of Down Light 12 W similar to Philips 31436 Andromed surface mount light as per direction of Engineer Incharge	Nos	125.00	2,400.00	3,00,000.00
16	Fixing of 12 W Down Light as per direction of Engineer Incharge	Nos	125.00	450.00	56,250.00
17	Sundary Items including tape, funnels, sleeves etc. as per direction of Engineer Incharge	Lot	1.00	25,000.00	25,000.00
	Add 20% cost index			6,05,71,853.88	7,14,24,553.88
	Add GST 12 %			1,21,14,370.78	8,35,38,924.65
	Add 5 % contigencies			1,00,24,670.96	9,35,63,595.61
	Add 1% Labour cess			46,78,179.78	9,82,41,775.39
				982417.7539	9,92,24,193.15

Sig of JE-III (RW)

Sig of AE-III(RW/SWM)

Sig of EE-III (RW/SWM)

Technically sanctioned vide No. 24/SE/WM&E/TS/19-20

for an amount of ₹ 9,92,24,193/-

(Rupees Nine Crore Ninety Two Lakhs Twenty Four Thousand One Hundred and Ninety Three Only.

Superintending Engineer

Municipal Council

Name of work : Marine esplanade : Marina road restructing with uinform carriage way , walking track, street lighting, street furniture, service core trenching and land scaping.

Sl.No	Discription of work	No	Length	Breath	Height	Quantity	Unit
1	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m. All kinds of soil.						
	Footing of Sea Wall	1x1	400	1.2	1	480.00	
		1x1	400	0.3	0.8	96.00	
	Footing for beams	1x135	0.7	0.7	1	66.15	
	Duct	1x1	1000	1.2	1.2	1440.00	
		Total				2082.15	Cum
2	Excavation work by mechanical means Hydraulic excavator)/ manual means in foundation trenches or drains (not exceeding 1.5m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soils as directed, within a lead of 50 m. Hard rock (blasting prohibited)						
		1x1	480.00		50%	240.00	
3	Filling with available pulverised sand	Total				240.00	Cum
	Footing of Sea Wall	1x1	400	1	0.05	20.00	
		1x1	400	0.3	0.05	6.00	
	Footing for beams	1x135	0.6	0.6	0.05	2.43	
	Duct	1x2	1000	1.2	0.05	120.00	
		Total				148.43	Cum
4	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:4:8 (1 Cement : 4 coarse sand (zone-III) : 8 graded stone aggregate 40 mm nominal size)						
	Footing for beams	1x135	0.6	0.6	0.1	4.86	
	Duct	1x2	1000	1.1	0.1	220.00	
		Total				224.86	Cum
5	Providing and laying in position machine batched and machine mixed design mix M-25 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying but excluding the cost of centering, shuttering, finishing and reinforcement, including admixtures in recommended proportions as per IS: 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer-in-charge."(Note :- Cement content considered in this item is @ 330 kg/cum."Excess/ less cement used as per design mix is payable/recoverable separately). All works upto plinth level						
	Footing of Sea Wall	1x1	400	1	0.3	120.00	
		1x1	400	0.3	0.3	36.00	
	Duct	1x4	1000	0.2	0.8	640.00	

		1x2	1000	1	0.2	400.00	
		Total				1196.00	Cum
6	Extra for laying reinforced cement concrete in or under water and/ or liquid mud, including cost of pumping or bailing out water and removing slush etc., complete.						
	Foundation	1x1	400	1	0.3	120.00	
		1x1	400	0.3	0.3	36.00	
		Total				156.00	Cum
7	Providing and laying in position machine batched and machine mixed design mix M-25 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying but excluding the cost of centering, shuttering, finishing and reinforcement, including admixtures in recommended proportions as per IS: 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer-in-charge."(Note :- Cement contentconsidered in this item is @ 330 kg/cum."Excess/ less cement used as per design mix is payable/recoverable separately). All works above plinth level upto floor V level						
	Trapizodal section	1x1	400	(2.5+1)/2	3	2030.00	
	Semicircle section (-)	1x1	400	$\frac{(\pi r)2}{2}$		1321.03	
						708.97	
	Beam	1x1	1000	0.2	0.6	120.00	
		1x1	1000	0.3	0.3	90.00	
	platform for pathway	1x400	4	2.5	0.12	480.00	
	Colmn	1x400	0.2	0.2	1	16.00	
	Floor beam	1x135	4.5	0.3	0.3	54.68	
	Beam Footing	1x135	0.5	0.5	0.45	15.19	
	Short column	1x135	0.4	0.3	0.3	4.86	
	RCC cover slab over duct	1x1000	1	0.8	0.1	80.00	
		Total				1569.69	Cum
8	Extra for providing richer mixes at all floor levels. Note:- Excess/less cement over the specified cement content used is payable /recoverable separately. Providing M-40 grade concrete instead of M-25 grade BMC/ RMC.(Note : Cement content considered in M-40 is @ 360 kg/ cum)						
	Trapizodal section	1x1	400	(2.5+1)/2	3	2030.00	
	Semicircle section (-)	1x1	400	$\frac{(\pi r)2}{2}$		1321.03	
						708.97	
	Beam	1x1	1000	0.2	0.6	120.00	
		1x1	1000	0.3	0.3	90.00	
	platform for pathway	1x400	4	2.5	0.12	480.00	
	Colmn	1x400	0.2	0.2	1	16.00	
	Floor beam	1x135	4.5	0.3	0.3	54.68	
	Beam Footing	1x135	0.5	0.5	0.45	15.19	
	Short column	1x135	0.4	0.3	0.3	4.86	
	RCC cover slab over duct	1x1000	1	0.8	0.1	80.00	
		Total				1569.69	Cum
9	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level. Thermo-Mechanically Treated bars of grade Fe-500D or more.						
		1190 @ 80 kg/3				95200.00	
		1569.69@ 80kg/3				125575.20	

10	12 mm plaster 1:4	Total				220775.20	kg
	duct						
	column	2x2	1000		0.6	1200.00	
		1x4x400	1		0.2	160.00	
		1x400	0.2		0.2	16.00	
		1x2	1000		0.6	1200.00	
		1x1	1000		0.2	200.00	
11	Centering and shuttering including strutting, propping etc. and removal of form for all heights : Foundations, footings, bases of columns, etc. for mass concrete	Total				2776.00	sqm
	Footing	1x1	400		0.3	120.00	
		1x2	400		0.3	240.00	
	Duct Bed	1x2	1000		0.1	200.00	
		1x2x1000	0.8		0.1	160.00	
		1x2x1000	1		0.1	200.00	
12	Centering and shuttering including strutting, propping etc. and removal of form work for : Retaining walls, return walls, walls (any thickness) including attached pilasters, buttresses, plinth and string courses fillets,kerbs and steps etc.	Total				920.00	sqm
		1x1	400		3	1200.00	
		1x2x2	1000		0.6	2400.00	
		1x2x2	1000		0.9	3600.00	
13	Centering and shuttering including strutting, propping etc. and removal of form for all heights : Extra for shuttering in circular work (20% of respective centering and shuttering items)	Total				7200.00	sqm
		1x1	400		3	1200.00	
14	Centering and shuttering including strutting, propping etc. and removal of form for all heights : Lintels, beams, plinth beams, girders, bressumers and cantilevers	Total				1200.00	sqm
		1x3x400	4.5		0.3	1620.00	
		1x2	1000		0.6	600.00	
15	Centering and shuttering including strutting, propping etc. and removal of form for all heights : Columns, Pillars, Piers, Abutments, Posts and Struts	Total				2220.00	sqm
		1x4x400	1		0.2	160.00	
		1x4x400	0.3		0.3	144.00	
16	Providing and fixing FRP Pultruded hand rail with PU coating with 50x506mm post, top ergonomic hand rail 70x65x4mm mild omega shaped 80x4mm Toe/knee plate 80x3 mm with FRP Foot mount & SS 316 L fasteners Height 600mm AND FRP post at every 1.5 meter as per the direction of the engineer in charge	Total				304.00	sqm
		1x400	2.5	-	-	1000.00	
		Total				1000.00	metre

17	Providing and laying factory made chamfered edge Cement Concretepaver blocks In foot path, park & lawns driveway or light & traffic parking etc. of required strength, thickness & size/ shape, made bytable vibratory method using PU mould, laid in required colour & pattern over 50mm thick compacted bed of course sand, compactingand proper embedding/laying of inter locking paver blocks into thesand bedding layer through vibratory compaction by using platevibrator, filling the joints with sand and cutting of paver blocks as perrequired size and pattern, finishing and sweeping extra sand, allcomplete as per manufacturer's specifications & direction of Engineerin-Charge. 60mm thick Cement concrete paver block of M-35 gradewith approved colour, design & pattern.						
		1x1	1460	4		5840.00	
		Total				5840.00	sqm
18	Painting with silicon & acrylic emulsion based water thinnable sealer of approved brand and manufacture on wet or patchy portion of plastered surfaces : Two coats						
	Beam	1x2	1000		0.6	1200.00	
		1x1	1000		0.2	200.00	
	Column	1x4x400	0.2		1	160.00	
		1x400	0.2		0.2	16.00	
		Total				1576.00	sqm
19	Demolishing R.C.C. work manually/ by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 metres lead as per direction of Engineer - in-charge.						
	Exsting footpath	1x1	400	1.5	0.15	90.00	
	Beams	1x4000	1.8	0.2	0.2	115.20	
	beam	1x1	1000	0.2	0.2	40.00	
	Handrail post	1x1x400	1	0.2	0.2	16.00	
		Total				261.20	Cum
20	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - charge. Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix)						
	Exting parking	1x1	1000	1.5	0.2	300.00	
		1x1	350	3	0.2	210.00	
		Total				510.00	Cum
21	Dismantling tile work in floors and roofs laid in cement mortar including stacking material within 50 metres lead. For thickness of tiles 10 mm to 25 mm						
	Checkered tiles	1x1	1000		1.5	1500.00	
		Total				1500.00	sqm
22	Preparation and consolidation of sub grade with power road roller of 8 to 12 tonne capacity after excavating earth to an average of 22.5 cm depth, dressing to camber and consolidating with road roller including making good the undulations etc. and re-rolling the sub grade and disposal of surplus earth with lead upto 50 metres.						
		1x1	600		2.5	1500.00	
		Total				1500.00	sqm

--	Supplying and stacking at site. 90 mm to 45 mm size stone aggregate						
		1x1	1500		0.128	192.00	
		Total				192.00	cum
24	Supplying and stacking at site. 63 mm to 45 mm size stone aggregate						
		1x1	1500		0.096	144.00	
		Total				144.00	cum
25	Supplying and stacking at site. 53 mm to 22.4 mm size stone aggregate						
		1x1	1500		0.096	144.00	
		Total				144.00	cum
26	Supplying and stacking at site. Stone screening 13.2 mm nominal size (Type A)						
		1x1	1500		0.03	45.00	
		1x1	1500		0.015	22.50	
		Total				67.50	cum
27	Supplying and stacking at site. Stone screening 11.2 mm nominal size (Type B)						
		1x1	1500		0.021	31.50	
		Total				31.50	cum
28	Supplying and stacking at site. Moorum						
		1x3	1500		0.009	40.50	
		Total				40.50	cum
29	Laying, spreading and compacting stone aggregate of specified sizes to WBM specifications in uniform thickness, hand picking, rolling with 3 wheeled road / vibratory roller 8-10 tonne capacity in stages to proper grade and camber, applying and brooming requisite type of screening / binding material to fill up interstices of coarse aggregate, watering and compacting to the required density .						
		1x1	1500		0.1	150.00	
		1x1	1500		0.075	112.50	
		1x1	1500		0.075	112.50	
		Total				375.00	cum
30	Providing and applying tack coat using hot straight run bitumen of grade VG - 10, including heating the bitumen, spraying the bitumen with mechanically operated spray unit fitted on bitumen boiler, cleaning and preparing the existing road surface as per specifications : On W.B.M. @ 0.75 Kg I sqm						
		1x1	600		2.5	1500.00	
		Total				1500.00	sqm
31	Providing and applying tack coat using hot straight run bitumen of grade VG - 10, including heating the bitumen, spraying the bitumen with mechanically operated spray unit fitted on bitumen boiler, cleaning and preparing the existing road surface as per specifications : On bituminous surface @ 0.50 Kg I sqm						
		1x1	600		2.5	1500.00	
		Total				1500.00	sqm

32	Providing and laying bituminous macadam using crushed stone aggregates of specified grading premixed with bituminous binder, transported to site by tippers, laid over a previously prepared surface with paver finisher equiped with lectronic sensor to the required grade, level and alignment and rolling with smooth wheeled, vibratory and tandem rollers as per specifications to achieve the desired compaction and density, complete as per specificatons and directions of Engineer-in-Charge. 50 to 100 mm average compacted thickness with bitumen of grade VG-30 @ 3.50% (percentage by weight of total mix) prepared in Drum Type Hot Mix Plant of 60-90 TPH capacity.						
		1x1	600		0.05	30.00	
		Total				30.00	cum
33	2.5 cm thick bitumastic sheet with hot bitumen of approved quality, using stone chippings (60% with 12.5 mm nominal size and 40% with 10 mm nominal size) @ 1.65 cum per 100 sqm and coarse sand @ 1.65 cum per 100 sqm of road surface and with bitumen @ 56 kg/cum of stone chippings and @ 128 kg/cum of sand over a tack coat with hot straight run bitumen, including consolidation with road roller of 8 to 10 tonne etc. complete. (tack coat to be paid separately) : With paving Asphalt grade VG - 30						
		1x1	600		2.5	1500.00	
		Total				1500.00	sqm
34	Providing and applying 2.5 mm thick road marking strips (retroreflective) of specified shade/ colour using hot thermoplastic material by fully/ semi automatic thermoplastic paint pplicator machine fitted with profile shoe, glass beads ispenser, propane tank heater and profile shoe heater, drivên by experienced operator on road surface including cost of material, labour, T&P, cleaning the road surface of all dirt, seals, oil, grease and foreign material etc. complete as per direction of Engineer-in-charge and accordance with applicable specifications.						
		1x3	1000		0.1	300.00	
		Total				300.00	sqm
35	Providing and fixing Victorai bench of standard size as per the direction of engineer in charge	1x2	40			80.00	
		Total				80.00	Nos
35	Supplying and application of Epoxy concrete bonding agent (conforming to having BIS 6319 Certification) and over cleaned and properly prepared old concrete surface to give good bonding between old and new concrete including cost of all material minor tools etc complete.						
		1x1	450	4		1800.00	
		Total				1800.00	sqm
Electrical work							
Part A : Supply of Streetlight System							

6	Providing and fixing 100 A, 30kA, FPMCCB rating and breaking capacity and pole MCCB with thermomagnetic release and terminal spreaders in existing cubicle panel board including drilling holes in cubicle panel, making connections, etc. as required.	1x1	6			6.00	
		Total				6.00	each
7	Supplying, Installation, Testing and commissioning of Chemical Earthing system with electrode rod type-19, 50mm dia, 3 mtrs (Isc=52.6 rms for 1 sec, peak 125.6) with back fill compound including providing masonary enclosure with cover plate, etc. as required.	1x1	2			2.00	
		Total				2.00	each
8	Supplying and laying 25 mm X 5 mm G.I strip at 0.50 meter below ground as strip earth electrode, including connection/ terminating with G.I. nut, bolt, spring, washer etc. as required. (Jointing shall be done by overlapping and with 2 sets of G.I. nut bolt & spring washer spaced at 50 mm)	1x1	24			24.00	
		Total				24.00	metre
9	Supplying and installation of 25mm PVC conduit including bend/tee/junction box, etc., as required.	1x1	1750			1750.00	
		Total					each
10	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 kV grade of 35 sq. mm in the existing RCC/ HUME/ METAL pipe as required	1x1	60			60.00	
		Total				60.00	metre
11	Supplying and making end termination with brass compression gland and aluminium lugs for 2 X 35sq. mm of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 kV grade as required.	1x1	10			10.00	
		Total				10.00	each
12	Providing and fixing 100 A, TP&N disconnector fuse switch unit inside the existing panel board with ISI marked HRC fuses including drilling holes in cubicle panel, making connections, etc. as required.	1x1	1			1.00	
		Total				1.00	each
13	Supplying of ELR / RCCB 63 A, Three phase, 4P , sensitivity 3A	1x1	5			5.00	
		Total				5.00	each
14	Fixing of 63 A, four pole, (three phase and neutral), 415 V, residual current circuit breaker (RCCB)) / ELR, having a sensitivity current 1 A in the existing MCB DB complete with connections, testing and commissioning etc, as required.	1x1	5			5.00	
		Total				5.00	each
15	Supplying of Down Light 12 W similar to Philips 31436 Andromed surface mount light as per direction of Engineer Incharge	1x1	125			125.00	
		Total				1250.00	Nos
16	Fixing of 12 W Down Light as per direction of Engineer Incharge	1x1	125			125.00	
		Total				125.00	Nos
17	Sundary Items including tape, furnels, sleeves etc. as per direction of Engineer Incharge	1x1	1			1.00	
		Total				1.00	lot

ORIGINAL

AGREEMENT NO: 01 (PBSPL) of 2020-2021

Name of Work :	Marine esplanade: Marina road restructuring with uniform carriage way, walking track, street lighting, street furniture, service core trenching and land scaping.
Head of Account:	PBSPL
Tendered Amount:	₹.9,97,51,266.00
Estimated Cost :	₹.9,92,24,193.00
Name of Agency:	M/s. Surendra Infrastructure (P) Ltd.
Time of Completion:	06 Months
Date of Commencement:	13.07.2020
Date of Completion:	31.01.2021

ITEM RATE TENDER & CONTRACT

e-TENDER INDEX

Name of work: Marine esplanade: Marina road restructuring with uniform carriage way, walking track, street lighting, street furniture, service core trenching and land scaping.

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17	Copy of Bank Guarantee No: 78/2020, dated 13.07.2020, Canara Bank, Port Blair.	71	A_3
18	Copy of Award Letter No: 05-03/SE/EE-III/Wks/SWM/ MC/2020-21/07, dated 13.07.2020.	79	A_4

Certified that this AGREEMENT contains ..80.. pages serially from ..01.. to ..80.. A_5 A_6 17

Superintending Engineer
Municipal Council

Executive Engineer-III (Works)
Municipal Council

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Issued to: M/s. Surendra Infrastructure (P) Ltd.

Name of Work: -	**Marine esplanade: Marina road restructuring with uniform carriage way, walking track, street lighting, street furniture, service core trenching and land scaping.**
Amount put to Tender: -	₹. 9,44,99,231.00(Civil-8,25,72,917+Elect-1,19,26,314)
Earnest Money: -	₹. 18, 89,985.00
Time of Completion: -	06 Months
Tendered Amount: -	₹. 9, 97, 51,266.00

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e-TENDER NOTICE

The Executive Engineer-III(Works), Port Blair Municipal Council invites on behalf of CEO, PBSPL from appropriate contractors of CPWD, APWD, ALHW, MES and P&T for the following work.

Sl.No	Name of Work	Estimated Cost put to Tender	Earnest Money (Rupees)	Time of Completion
1	*Marine esplanade : Marina road restructuring with uniform carriage way , walking track, street lighting, street furniture, service core trenching and land scaping.*	Rs. 94499231.00 (Civil-82572917+Elect-11926314)	Rs 18,89,985.00	6 Months
Note: Form Fee & Earnest Money should be in the form of DD from Nationalized Banks/Scheduled Banks validated for 6 months from the date of submission of documents.				

SCHEDULE

Bid Document Publishing Date	:	**13/06/2020, 09.00 hrs**
Bid Document Download/Start Date:		**13/06/2020, 09.00 hrs**
Bid Submission Start Date	:	**13/06/2020, 09.00hrs**
Bid Submission End Date	:	**26/06/2020, 15.00 hrs**
Bid Opening Date	:	**26/06/2020, 16.00 hrs**

Last date to submit the EMD, Attested Copy o f Enlistment Certificate/Order, PAN Card and Certificate of GST Registration physically or by post should reach to:
The Executive Engineer-III (Works)
PBMC, Port Blair-744101

26/06/2020, on or before 15.00 hrs

The terms and conditions of the tenders are prescribed below for adherence by the bidders.

1. By participating in the bid it will be presumed that the bidders accept the terms and conditions of the tender stipulated here under.
2. Instructions for submission of Bid online through **"eprocure.andaman.gov.in"**

a) Bids are required to be submitted online, through the website **"eprocure.andaman.gov.in"** only.
b) Before submission of bids, bidders are advised to go through the help manual available in the home page of website **"eprocure.andaman.gov.in"**.
c) In case of any assistance the bidders may call the help line number. The helpline numbers are available in home page of website **"eprocure.andaman.gov.in".**

3. The enlistment of contractors should be valid on the last date of online sale of tender document.
4. Tenderer can view the bids submitted by other competitors immediately after opening the tender through the system.

List of Documents to be scanned and uploaded within the period of bid submission:

1. Treasury Challan/Demand Draft/Pay order or Banker`s Cheque /Deposit at Call Receipt/FDR/ Bank Guarantee of any Scheduled Bank against EMD.
2. Scanned Copy of Enlistment Order of the Contractor.
3. Scanned copy of PAN Card.
4. Scanned copy of Certificate of GST Registration
5. Scanned copy of MoU/Agreement of association with appropriate class of Eligible Electrical Contractor along with the enlistment Order of Electrical contractor.

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EE-III(Works)

GOVERNMENT OF INDIA
CENTRAL PUBLIC WORKS DEPARTMENT
NOTICE INVITING e-TENDER

Item rate/percentage rate bids are invited on behalf of CEO, PBSPL from approved and eligible contractors of CPWD., A.P.W.D., M.E.S, A.L.H.W and P&T dealing with building and roads.

Name of Work: - **Marine esplanade: Marina road restructuring with uniform carriage way, walking track, street lighting, street furniture, service core trenching and land scaping.**

The enlistment of the contractors should be valid on the last date of submission of bids.
In case the last date of submission of bid is extended, the enlistment of contractor should be valid on the original date of submission of bids.

1.1 The work is estimated to cost Rs.94499231.00 (Civil-82572917+Elect-11926314)
This estimate, however, is given merely as a rough guide.

1.1.1 The authority competent to approve NIT for the combined cost and belonging to the major discipline will Consolidate NITs for calling the bids. He will also nominate Division which will deal with all matters relating to the invitation of bids.

For composite bid, besides indicating the combined estimated cost put to bid, should clearly indicate the estimated cost of each component separately. The eligibility of bidders will correspond to the combined estimated cost of different components put to bid.

1.2 Intending bidders is eligible to submit the bid provided he has definite proof from the appropriate authority, which shall be to the satisfaction of the competent authority, of having satisfactorily completed similar works of magnitude specified below:-

Criteria of eligibility for issue of bid documents

1.2.1 **Conditions for non-CPWD contractor only, if tenders are also open to non-CPWD contractor.**

For works estimated to cost up to Rs. 15 Crore.

Three similar works each of value not less than 40% of estimated cost or two similar works each of value not less than 50% of estimated cost or one similar work of value not less than 80% of estimated cost (rounded to nearest ` 10 lac) in last 7 years ending last day of the month previous to the one in which the tenders are invited.

For the purpose of this clause 'Similar Work' means the works of Building Works.

contractors also, then class II contractors of APWD shall also be eligible if they satisfy the eligibility

1.2.2 **Criteria of eligibility for CPWD as well as non-CPWD contractors.**

For works estimated to cost above Rs. 15 Crore.

Three similar works each of value not less than 40 % of estimated cost or two similar work each of

The value of executed works shall be brought to current costing level by enhancing the actual value of work at simple rate of 7% per annum, calculated from the date of completion to the last date of receipt of application for tender

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2 Agreement shall be drawn with the successful bidders on prescribed Form No. CPWD 7/8 (or other Standard Form as mentioned) which is available as a Govt. of India Publication and also available on website www.cpwd.gov.in. Bidders shall quote his rates as per various terms and conditions of the said form which will form part of the agreement.

3 The time allowed for carrying out the work will be **6 Months** from the date of Start as defined in Schedule "F" or from the first date of handing over of the site, whichever is later, in accordance with the phasing, if any, indicated in the tender documents.

4 The site for the work is available .

The site for the work shall be made available in parts specified below: -

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(ii) The architectural and structural drawing for the work is available OR

The architectural and structural drawings shall be made available in phased manner, as per requirement of the same as per approved programme of completion submitted by the contractor after award of work.

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5 The bid document consisting of plans, specifications, the schedule of quantities of various types of items to be executed and the set of terms and conditions of the contract to be complied with and other necessary documents except Standard General Conditions of Contract Form can be seen on Website www.and.nic.in or www.eproc.andaman.gov.in free of cost.

6 After submission of the bid the contractor can re-submit revised bid any number of times but before last time and date of submission of bid as notified.

7 While submitting the revised bid, contractor can revise the rate of one or more item(s) any number of times (he need not re-enter rate of all the items) but before last time and date of submission of bid as notified.

8 When bids are invited in three stage system and if it is desired to submit revised financial bid then it shall be mandatory to submit revised financial bid. If not submitted then the bid submitted earlier shall become invalid.

9 Earnest Money in the form of Treasury Challan or Demand Draft or Pay order or Banker's Cheque or Deposit at Call Receipt or Fixed Deposit Receipt (drawn in favour of Executive Engineer (Works), Municipal Council shall be scanned and uploaded to the e-Tendering website within the period of bid submission.

A part of earnest money is acceptable in the form of bank guarantee also. In such case, minimum 50% of earnest money or Rs. 20 lac, whichever is less, shall have to be deposited in shape prescribed above, and balance may be deposited in shape of Bank Guarantee of any scheduled bank having validity for six months or more from the last date of receipt of bids which is to be scanned and uploaded by the intending bidders.

The physical EMD of the scanned copy of EMD uploaded shall be deposited by the lowest bidder within a week after opening of financial bid failing which the bid shall be rejected and enlistment of the agency shall be withdrawn by the enlisting authority. The agency shall be debarred from tendering in PBMC. The following undertaking in this regard shall also be uploaded by the intending bidders:-

"The Physical EMD shall be deposited by me/us with the Executive Engineer (Works) calling the bid in case I/we become the lowest bidder within a week of the opening of financial bid otherwise department may reject the bid and also take action to withdraw my/our enlistment/debar me/us from tendering in PBMC."

Copy of Enlistment Order and certificate of work experience and other documents as specified in the press notice shall be scanned and uploaded to the e-Tendering website within the period of bid submission. **However, certified copy of all the scanned and uploaded documents as specified in press notice shall have to be submitted by the lowest bidder only along with physical EMD of the scanned copy of EMD uploaded within a week physically in the office of tender opening authority.**

Online bid documents submitted by intending bidders shall be opened only of those bidders, who has Submitted Earnest Money Deposit and other documents scanned and uploaded are found in order. The bid submitted shall be opened at 4:00 PM on 26/06/2020.

10 The bid submitted shall become invalid and e-Tender processing fee shall not be refunded if:

(i) The bidder is found ineligible.

(ii) The bidder does not upload all the documents (including Certificate of GST Registration) as stipulated in the bid document including the undertaking about deposition of physical EMD of the scanned copy of EMD uploaded.

(iii) If any discrepancy is noticed between the documents as uploaded at the time of submission of bid and hard copies as submitted physically by the lowest bidder in the office of bid opening authority.

(iv) **The lowest bidder does not deposit physical EMD within a week of opening of bid.**

11 The contractor whose bid is accepted will be required to furnish **performance guarantee of 5% (Five Percent)** of the bid amount within the period specified in Schedule F. This guarantee shall be in the form of cash (in case guarantee amount is less than Rs. 10000/-) or Deposit at Call receipt of any scheduled bank/Banker's cheque of any scheduled bank/Demand Draft of any scheduled bank/ Pay order of any Scheduled Bank of any scheduled bank (in case guarantee amount is less than Rs. 1,00,000/-) or Government Securities or Fixed Deposit Receipts or Guarantee Bonds of any Scheduled Bank or the State Bank of India in accordance with the prescribed form. In case the contractor fails to deposit the said performance guarantee within the period as indicated in Schedule 'F', including the extended period if any, the Earnest Money deposited by the contractor shall be forfeited automatically without any notice to the contractor. **The earnest money deposited alongwith bid shall be returned after receiving the aforesaid performance guarantee.**

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The description of the work is as follows:

Intending Bidders are advised to inspect and examine the site and its surroundings and satisfy themselves before submitting their bids as to the nature of the ground and sub-soil (so far as is practicable), the form and nature of the site, the means of access to the site, the accommodation they may require and in general shall themselves obtain all necessary information as to risks, contingencies and other circumstances which may influence or affect their bid. A bidders shall be deemed to have full knowledge of the site whether he inspects it or not and no extra charge consequent on any
12 misunderstanding or otherwise shall be allowed. The bidders shall be responsible for arranging and maintaining at his own cost all materials, tools & plants, water, electricity access, facilities for workers and all other services required for executing the work unless otherwise specifically provided for in the contract documents. Submission of a bid by a bidders implies that he has read this notice and all other contract documents and has made himself aware of the scope and specifications of the work to be done and of conditions and rates at which stores, tools and plant, etc. will be issued to him by the Government and local conditions and other factors having a bearing on the execution of the work.

The competent authority on behalf of the CEO, PBSPL does not bind itself to accept the lowest or any other bid and reserves to itself the authority to reject any or all the bids received without
13 the assignment of any reason. All bids in which any of the prescribed condition is not fulfilled or any condition including that of conditional rebate is put forth by the bidders shall be summarily rejected.

14 Canvassing whether directly or indirectly, in connection with bidders is strictly prohibited and the bids submitted by the contractors who resort to canvassing will be liable for rejection.

The competent authority on behalf of CEO, PBSPL reserves to himself the right of
15 accepting the whole or any part of the bid and the bidders shall be bound to perform the same at the rate quoted.

The contractor shall not be permitted to bid for works in the Port Blair Municipal Council (Division in case of contractors of Horticulture/Nursery category) responsible for award and execution of contracts, in which his near relative is posted a Divisional Accountant or as an officer in any capacity between the grades of Superintending Engineer and Junior Engineer (both inclusive). He shall also intimate the
16 names of persons who are working with him in any capacity or are subsequently employed by him and who are near relatives to any gazetted officer in the Central Public Works Department or in the Ministry of Urban Development. Any breach of this condition by the contractor would render him liable to be removed from the approved list of contractors of this Department.

No Engineer of Gazetted Rank or other Gazetted Officer employed in Engineering or Administrative duties in an Engineering Department of the Government of India is allowed to work as a contractor for a period of one year after his retirement from Government service, without the prior permission of
17 the Government of India in writing. This contract is liable to be cancelled if either the contractor or any of his employees is found any time to be such a person who had not obtained the permission of the Government of India as aforesaid before submission of the bid or engagement in the contractor's service.

The bid for the works shall remain open for acceptance for a period of Sixty days from the date of opening of bids. If any bidders withdraws his bid before the said period or issue of letter of acceptance, whichever is earlier, or makes any modifications in the terms and conditions of the bid
18 which are not acceptable to the department, then the Government shall, without prejudice to any other right or remedy, be at liberty to forfeit 50% of the said earnest money as aforesaid. Further the bidders shall not be allowed to participate in the rebidding process of the work.

This notice inviting Bid shall form a part of the contract document. The successful bidders/contractor, on acceptance of his bid by the Accepting Authority shall within 15 days from the stipulated date of start of the work, sign the contract consisting of:-

19 (a) The Notice Inviting Bid, all the documents including additional conditions, specifications and drawings, if any, forming part of the bid as uploaded at the time of invitation of bid and the rates quoted online at the time of submission of bid and acceptance thereof together with any correspondence leading thereto.

(b) Standard C.P.W.D. Form 7/8 or other Standard C.P.W.D. Form as applicable.

20 **For Composite Tenders**

20.1.1 The Executive Engineer in charge of the major component will call bids for the composite work. The cost of bid document and Earnest Money will be fixed with respect to the combined estimated cost put to tender for the composite bid.

20.1.2 The bid document will include following three components:

Part A:- CPWD-6, CPWD-7/8 including schedule A to F for the major component of the work, Standard General Conditions of Contract for CPWD 2014 as amended/modified up to last date of online submission.

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EE-III(Works)

Part B: - General / specific conditions, specifications and schedule of quantities applicable to major component of the work.

Part C:- Schedule A to F for minor component of the work. (SE/EE in charge of major component shall also be competent authority under clause 2 and clause 5 as mentioned in schedule A to F for major components), General/specific conditions, specifications and schedule of quantities applicable to minor component(s) of the work.

20.1.3 The bidders must associate himself, with agencies of the appropriate class eligible to bid for each of the minor component individually.

20.1.4 The eligible bidders shall quote rates for all items of major component as well as for all items of minor components of work.

20.1.5 After acceptance of the bid by competent authority, the EE in charge of major component of the work shall issue letter of award on behalf of the President of India. After the work is awarded, the main contractor will have to enter into one agreement with EE in charge of major component and has also to sign two or more copies of agreement depending upon number of EE's/DDH in charge of minor components. One such signed set of agreement shall be handed over to EE/DDH in charge of minor component(s). EE of major component will operate Part A and Part B of the agreement. EE/DDH in charge of minor component(s) shall operate **Part C** along with **Part A** of the agreement.

20.1.6 Entire work under the scope of composite bid including major and all minor components shall be executed under one agreement.

20.1.7 Security Deposit will be worked out separately for each component corresponding to the estimated cost of the respective component of works.

20.1.8 The main contractor has to associate agency(s) for minor component(s) conforming to eligibility criteria as defined in the bid document and has to submit detail of such agency(s) to Engineer-in-charge of minor component(s) within prescribed time. Name of the agency(s) to be associated shall be approved by Engineer-in-charge of minor component(s).

20.1.9 In case the main contractor intends to change any of the above agency/agencies during the operation of the contract, he shall obtain prior approval of Engineer-in-charge of minor component. The new agency/agencies shall also have to satisfy the laid down eligibility criteria. In case Engineer-in-charge is not satisfied with the performance of any agency, he can direct the contractor to change the agency executing such items of work and this shall be binding on the contractor.

20.1.10 The main contractor has to enter into agreement with contractor(s) associated by him for execution of minor component(s). Copy of such agreement shall be submitted to EE/ DDH in charge of each minor component as well as to EE in charge of major component.
In case of change of associate contractor, the main contractor has to enter into agreement with the new contractor associated by him.

20.1.11 Running payment for the major component shall be made by EE of major discipline to the main contractor. Running payment for minor components shall be made by the Engineering-in charge of the discipline of minor component directly to the main contractor.

20.1.12 A ***The composite work shall be treated as complete when all the components of the work are complete. The completion certificate of the composite work shall be recorded by Engineer-in-charge of major component after record of completion certificate of all other components.***

20.1.12 B Final bill of whole work shall be finalized and paid by the EE of major component. Engineer(s) in charge of minor component(s) will prepare and pass the final bill for their component of work and pass on the same to the EE of major component for including in the final bill for composite contract.

Signature of Divisional Officer/Sub-Divisional Officer
For & on behalf of CEO, PBSPL

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GENERAL RULES & DIRECTIONS CPWD

GOVERNMENT OF INDIA
CENTRAL PUBLIC WORKS DEPARTMENT

General Rules & Directions

1 All work proposed for execution by contract will be notified in a form of Invitation to tender pasted in public places and signed by the officer inviting tender or by publication in News papers as the case may be. This form will state the work to be carried out, as well as the date for submitting and opening tenders and the time allowed for carrying out the work, aiso the amount of earnest money to be deposited with the tender, and the amount of the security deposit and performance guarantee to be deposited by the successful tenderer and the percentage, if any to be deducted from bills. Copies of the specifications, designs and drawing and any other documents required in connection with the work signed for the purpose of identification by the officer, inviting tender shall also be open for inspection by the contractor at the office of officer inviting tender during office hours.

2 In the event of the tender being submitted by a firm, it must be signed separately by each partner thereof or in the event of the absence of any partner, it must be signed on his behalf by a person holding a power –of attorney authorizing him to do so, such power of attorney to be produced with the tender, and it must disclose that the firm is duly registered under the Indian Partnership Act. 1952

3 Receipts for payment made on account of work, when executed by a firm must also be signed by all the partners, except, where contractors are described in their tender as a firm in which case the receipts must be signed in the name of the firm by one of the partners, or by some other person having due authority to give effectual receipts for the firm.

Applicable for item Rate Tender only (CPWD-8)

4 Any person who submits a tender shall fill up the usual printed form, stating at what rate he is willing to undertake each item of the work. Tenders, which propose any alteration in the work specified in the said form of inviting to tender, or in the time allowed for carrying out the work, or which contain any other conditions of any sort, including conditional rebates, will be summarily rejected. No single tender shall include more than One work, but contractors who wish to tender for two or more works shall submit separate tender for each. Tender shall have the name and number of the works to which they refer, written on the envelopes.
The rate(s) must be quoted in decimal coinage. Amounts must be quoted in full rupees by ignoring fifty paisa and considering more than fifty paisa as rupee one.

Applicable for percentage Rate Tender only (CPWD-7)

4A In case of Percentage Rate Tender, tenderer shall fill up the usual printed form, stating at what percentage below/above (in figures as well as in word) the total estimated cost given in schedule of quantities at Schedule-A, he will be willing to execute the work. The tender submitted shall be treated as invalid if:

i) The Contractor does not quote percentage above/ below on the total amount of tender or any section/ sub head of the tender.

ii) The percentage above /below is different in figures & words both on the total amount of tender or any section/ sub head of the tender.

iii) The percentage quoted above /below is different in figures & words both on the amount of tender or any section/ sub head of the tender.

Tenders, which propose any alternation in the work specified in the said form of invitation to tender, or in the time allowed for carrying out the work, or which contain any other conditions of any sort including conditional rebates, will be summarily rejected. No single tender shall include more than one work, but contractors who wish to tender for two or more works shall submit separate tender for each. Tender shall have the name and number of the works to which they refer, written on the envelopes.

4B In case of lowest tendered amount (estimated cost+amount worked on the basis of percentage above/below) of two or more contractors is same, such lowest contractors will be asked to submit sealed revised offer in the form of letter mentioning percentage above/below on estimated cost of tender including all subsections/sub heads as the case may be, but the revised percentage quoted above/below on tendered cost or on each sub sections/ sub heads should not be higher than the percentage quoted at the time of submission of tender.The lowest tender shall be the decided on the basis of revised offers.
In case any of such contractor refuses to submit revised offer, then it shall be treated as withdrawal of his tender before acceptance and 60% of earnest money shall be forfeited.
If the revised tendered amount of two or more contractors received in revised offer is again found to be equal, the lowest tender among such contractors, shall be decided by draw of lots in the presence of SE of the circle, EE(s) in-charge of major & minor components, EE(P) or EE(HQ) of the circle & the lowest contractors those have quoted equal amount of tenders.

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In case of all the lowest contractors those have quoted same tendered amount, refuse to submit revised offers, then tenders are to be recalled after forfeiting 50% of EMD of each contractors. Contractor(s), whose earnest money is forfeited because of non-submission of revised offer, shall not be allowed to participate in the retendering process of the work.

5 The officer inviting tender or his duly authorized assistant will open tenders in the presence of any intending contractors who may be present at the time and will enter the amounts of the several tenders in a comparative statement in a suitable form. In the event if a tender being accepted, a receipt for the earnest money forwarded therewith shall thereupon be given to the contractor who shall thereupon for the purpose of identification sign copies of the specifications and other documents mentioned in Rules. In the event of a tender being rejected, the earnest, money forwarded with such unaccepted tender shall thereupon be returned to the contractor remitting the same, without any interest.

6 The officer inviting tenders shall have the right of rejecting all or any of the tenders and will not be bound to accept the lowest or any other tender.

7 The receipt of an accountant or clerk for any money paid by the contractor will not be considered as any acknowledgment or payment to the officer inviting tender and the contractor shall be responsible for seeing that he procures a receipt signed by the officer inviting tender of a duly authorized Cashier.

8 The memorandum of work tendered for and the schedule of materials to be supplied by the department and their issue-rates, shall be filled and completed in the office of the officer inviting tender before the tender form is issued. If a form is issued to an intending tenderer without having been so filled in and incomplete, he shall request the office to have this done before he completes and delivers his tender.

9 The tenderers shall sign a declaration under the officials Secret Act 1923, for maintaining secrecy of the tender documents drawings or other records connected with the work given to them. The unsuccessful tenderers shall return all the drawings given to them.

9A Use of correcting fluid anywhere in tender document is not permitted. Such tender is liable for rejection.

Applicable for item Rate Tender only (CPWD-8)

10 In the case of item Rate Tenders, only rates quoted shall be considered. Any tender containing percentage below/above the rates quoted is liable to be rejected. Rates quoted by the contractor in item rate tender in figures and words shall be accurately filled in so that there is no discrepancy in the rates written in figure and words. However, if a discrepancy is found the rates which corresponds with the amount worked out by the contractor shall unless otherwise proved be taken as correct. If the amount of an item is not worked out by the contractor or it does not correspond with the rates written either in figure or in words, then rates quoted by the contractor in words shall be taken as correct. Where the rates quoted by the contractor in figure and in words tally but the amount is not worked out correctly, the rates quoted by the contractor will unless otherwise proved be taken correct and not the amount.

In event no rate has been quoted for any item(s) along space both in figures, works and amount blank it will be presumed that the contractor has included cost of these items in other items and rate for such items will be considered as zero and will be required to the executed accordingly.

Applicable for percentage Rate Tender only (CPWD-8)

10A In case of percentage Rate Tender only percentage quoted shall be considered. Any tenderd containing item rates is liable to be rejected. Percentage quoted by the contractor in percentage rate tender shall be accurately filled in figures and words, so that there is no discrepancy. However if the contractor has worked out the amount of the tender and if any discrepancy is found in the percentage quoted in words and figures, the percentage which corresponds with the amount worked out by the contractor, shall unless otherwise proved, be taken as correct.

If the amount of the tender is not worked out by the contractor or it does not correspond with the percentage written either in figure or in words, then the percentage quoted by the contractor in words shall be taken as correct. Where the percentage quoted by the contractor in figure and in words tally but the amount is not worked out correctly, the percentage quoted by the contractor will unless otherwise proved be taken as correct and not the amount.

11 In the case of any tender where unit rate of any item/items appear unrealistic, such tender will be considered as unbalanced and in case the tenderer is unable to provide satisfactory explanation, such a tender is liable to be disqualified and rejected.

Applicable for item Rate Tender only (CPWD-8)

12 All rates shall be quoted on the tender form. The amount for each item should be worked out and requisite totals given. Special care should be taken to write the rates in figures as well as in words and the amount in figure only, in such a way that interpolation is not possible. The total amount should be written both in figures and in words. In case of figures, the word '' Should be written before the figure of rupees and words 'P' after the decimal figure ,e.g. '' 2.15 P' and in case

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case of words , the word, 'Rupees should precede and the word 'paisa' should be written at the end. Unless the rate is in whole rupees and followed by the words 'only' it should invariably be upto two decimal places. While quoting the rate in schedule of quantities the word 'only' should be written closely following the amount and it should not be written in the next line.

Applicable for Percentage Rate Tender only (CPWD-7)

In percentage Rate Tender, the tenderer shall quote percentage below/above (in figures as well as in words) at which he will be willing to execute the work. He shall also work out the total amount of his offer and the same should be written in figures as well as in words in such a way that no interpolation is possible. In case of figures, the word "' should be written before the figure of rupees and word 'P' after the decimal figures e.g. "'2.15P and in case of words, the word Rupees' should precede and the word 'Paisa' should be written at the end.

13(i) The Contractor, whose tender is accepted, will be required to furnish performance guarantee of 5% (Five Percent) of the tendered amount within specified period. This guarantee shall be in the form of Govt. Securities or fixed deposit receipt of any scheduled bank, guarantee bonds of any scheduled bank or State Bank of India.

13(ii) The contractor whose tender is accepted, will also be required to furnish by way of Security Deposit for the fulfillment of his contract, an amount equal to 5% of the tendered value of the work. The Security deposit will be collected by deductions from the running bills if the contractor at the work mentioned above and the earnest money if deposited in cash at the time of tenders will be treated as a part of the Security Deposit. The Security amount will also be accepted in cash or in the shape of Government Securities. Fixed Deposit Receipt of a Scheduled Bank or State Bank of India will also be accepted for this purpose provided confirmatory advice is enclosed

14 On acceptance of the tender, the name of the accredited representative(s) of the contractor who would be responsible for taking instructions from the Engineer-in-charge shall be communicated in writing to the Engineer-in-charge.

15 Sales-tax purchase tax, turnover tax or any other tax on materials in respect of this contract shall be payable by the Contractor and Government will not entertain any claim whatsoever in respect of the same.

16 The contractor shall give a list of both gazetted and non-gazetted PBMC employees related to him.

17 The tender for the work shall not be witnessed by a contractor or contractors who himself/themselves has/have tendered or who may and has/have tendered for the same work. Failure to observe this condition would render, tenders of the contractors tendering, as well as witnessing the tender, liable to summary rejection.

18 The tender for composite work includes in addition to building work all other works such as sanitary and water supply installations drainage installation, electrical work, horticulture work, roads and paths etc. The tenderer apart from being a registered contractor (B&R) of appropriate class must associate himself with agencies of appropriate class which are eligible to tender for sanitary and water supply drainage, electrical and horticulture works in the composite tender.

19 The contractor shall submit list of works which are in hand (Progress) in the following form: -

Sl.No	Name Particulars of Division where work is being executed	Value of Work	Position of Works in Progress		Remarks
1	2	3	4		5

20 The contractor shall comply with the provisions of the Apprentices Act 1961 and the rules and orders issued there under from the time to time. If he fails to do so, his failure will be breach of the contract and the Superintending Engineer/Executive Engineer/may in his discretion without prejudice to any other right or remedy available in law, cancel the contract. The contractor shall be liable for any pecuniary liability arising on account of any violation by him of the provisions of the said Act.

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CONDITIONS OF CONTRACT

Definitions

1 The Contract means the documents forming the tender and acceptance thereof and the formal agreement executed between the competent authority on behalf of the president of India and the Contractor, together with the documents referred to therein ,including these conditions, the specifications, designs, drawings and instructions issued from time to time by the Engineer-in charge and all these documents taken together, shall be deemed to form one contract and shall be complementary to one another

2 In the contract, the following expression shall, unless the context otherwise requires , have the meanings, hereby respectively assigned to them:-

(i) The expressions **works or work** shall ,unless there be something either in the subject or context repugnant to such construction, be construed and taken to mean the works by or by virtue of the contract contracted to be executed whether temporary or permanent, and whether original ,altered, substituted or additional.

(ii) The Site shall mean the land / or other places on, into or through which work is to the executed under the contract or any adjacent land , path or street through which work is to be executed under the contract or any adjacent land, path or street which may be allotted or used for the purpose of carrying out the contract.

(iii) The **Contractor** shall mean the individual, firm or company, whether incorporated or not, undertaking the works and shall include the legal personal representative of such individual, or the persons composing such firm or company, or the successors of such firm or company and the permitted assignees of such individual, firm or company.

(iv) The **President** means the President of India and his successors.

(v) The Engineer- in –charge means Engineer Officer who shall supervise and be in charge of the work and who shall sign the contact on behalf the CEO, PBSPL, Port Blair as mentioned in Schedule 'F' here under.

(vi) **Government or Government of India** shall mean the Port Blair Municipal Council, Port Blair.

(vii) The terms **Director General of Works** includes Additional Director General and Chief Engineer of the zone.

(viii) **Accepting Authority** shall mean the authority mentioned in Schedule 'F'.

(ix) **Excepted Risk** are risks due to riots(other than those on account of contractor's employees), war (whether declared or not) invasion, act of foreign enemies, hostilities , civil war, rebellion, revolution, insurrection, military or usurped power, any acts of Government, damages for aircraft, acts of God, such as earth quake lightening and unprecedented floods, and other causes over which the contractor has no control and accepted as such by the Accepting Authority or causes solely due to use or occupation by Government, of the part of the works in respect of which a certificate of completion has been issued or a cause solely due to Government's faulty design of works.

(x) **Market Rate** shall be the rate as decided by the Engineer – in –charge on the basis of the cost of materials and labour at the site where the work is to be executed plus the percentage mentioned in Schedule 'F' to cover, all overhead and profit.

(xi) **Schedule** shall mean the relevant schedule(s) annexed to the tender and referred to in these conditions shall mean the relevant schedule(s) annexed to the tender figures of the standard Schedule of Rates of the government mentioned in schedule thereunder, with the amendments there issued up to the date of receipt of the tender.

(xii) **Department** shall mean the Engineer in charge **PBMC which invites tenders on behalf of CEO, PBSPL, Port Blair as mentioned in schedule 'F'.**

(xiii) **District schedule of rates** means the specifications followed by the State Government in the area where the work is taken as contemplated to be executed.

(xiv) **Tender value** shall mean the tender wherein the value of the entire work as stipulated in the letter of award.

(xv) **Date of commencement of work:** The date of commence of work shall be the date of start as specified in the letter of award or the first date of handing over of the site, whichever is later, in case the tenderer is not disqualified in schedule 'F' or the first date of handing over of the site, whichever is later, in

Scope and Performance of Contract

3 Where the context requires, the words imparting the singular only also include the plural and vice versa. Any reference to the masculine gender shall whenever required include feminine gender and vice versa.

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4 Headings and Marginal notes to these General Conditions of Contract shall not be deemed to form part thereof or be taken into consideration in the interpretation or construction thereof or of the contract.

5 The contractor shall be furnished, free of cost one certified copy of the contract documents except standard specifications, schedule of Rates and such other printed and published documents, together with all drawings as may be forming part of the tender papers. None of these documents shall be used for any purpose other than that of this contract.

6 The work to be carried out under the Contract shall, except as otherwise provided, in these conditions, include all labour, materials, tools plants, equipment and Transport which may be required in preparation of and for and in the full and entire execution and completion of the works. The description given in the Schedule of Quantities (Schedule –A, B) shall, unless otherwise stated, be held to include wastage on materials, carriage and cartage, carrying and return of empties, hoisting, setting, filling and fixing in position and all other labours necessary in and for the full and entire execution and complete of the work as aforesaid in accordance good practice and recognized principles

7 The Contractor shall be deemed to have satisfied himself before tendering as to the correctness and sufficiency of his tender for the works and of the rates and prices quoted in the schedule of quantities, which rates and prices shall, except as otherwise provided, cover all his obligations under the Contract and all matters and things necessary for the proper completion and maintenance of the works.

8 The several documents forming the Contract are to be taken as mutually explanatory of one another, detailed drawings being followed in preference to small scale drawing and figured dimensions in preference to scale and special conditions in preference to General Conditions.

8.1 In the case of discrepancy between the schedule of Quantities, the Specifications and/or the drawings the following order of preference shall be observed:-

i) Description of Schedule of Quantities.
ii) Particular Specification and Special Condition, if any
iii) Drawings.
iv) CPWD specification 2009 Vol. I and II with up to date.
v) Indian Standard Specifications of B.I.S.

8.2 If there are varying or conflicting provisions made in any one document forming part of the contract, the Accepting Authority shall be the deciding authority with regard to the intention of document and his decision shall be final and binding on the contractor

8.3 Any error in description, quantity or rate in Schedule of Quantities or any omission there from shall not vitiate the contract of release the contractor from the execution of the whole or any part of the works comprised therein according to drawings and specifications or from any of his obligations under the contract.

Signing of Contract

9 The successful tenderer/contractor, on acceptance of his tender by the Accepting Authority, shall , within 15days from the stipulated date of start of the work sign the contract consisting of:-

(i) The notice inviting tender, all the documents including drawing, if any forming the tender as issued at the time of invitation of tender and acceptance thereof together with any correspondence leading there to.

(ii) Standard CPWD form as mentioned in Schedule 'F' consisting of : -

a) Various standard clauses with corrections upto the date.
b) CPWD safety code.
c) Model rules for the protection of health, sanitary arrangements for workers employed by CPWD or its contractors.
d) A CPWD contractor labours regulations.
e) List of Acts and omissions for which fines can be imposed.

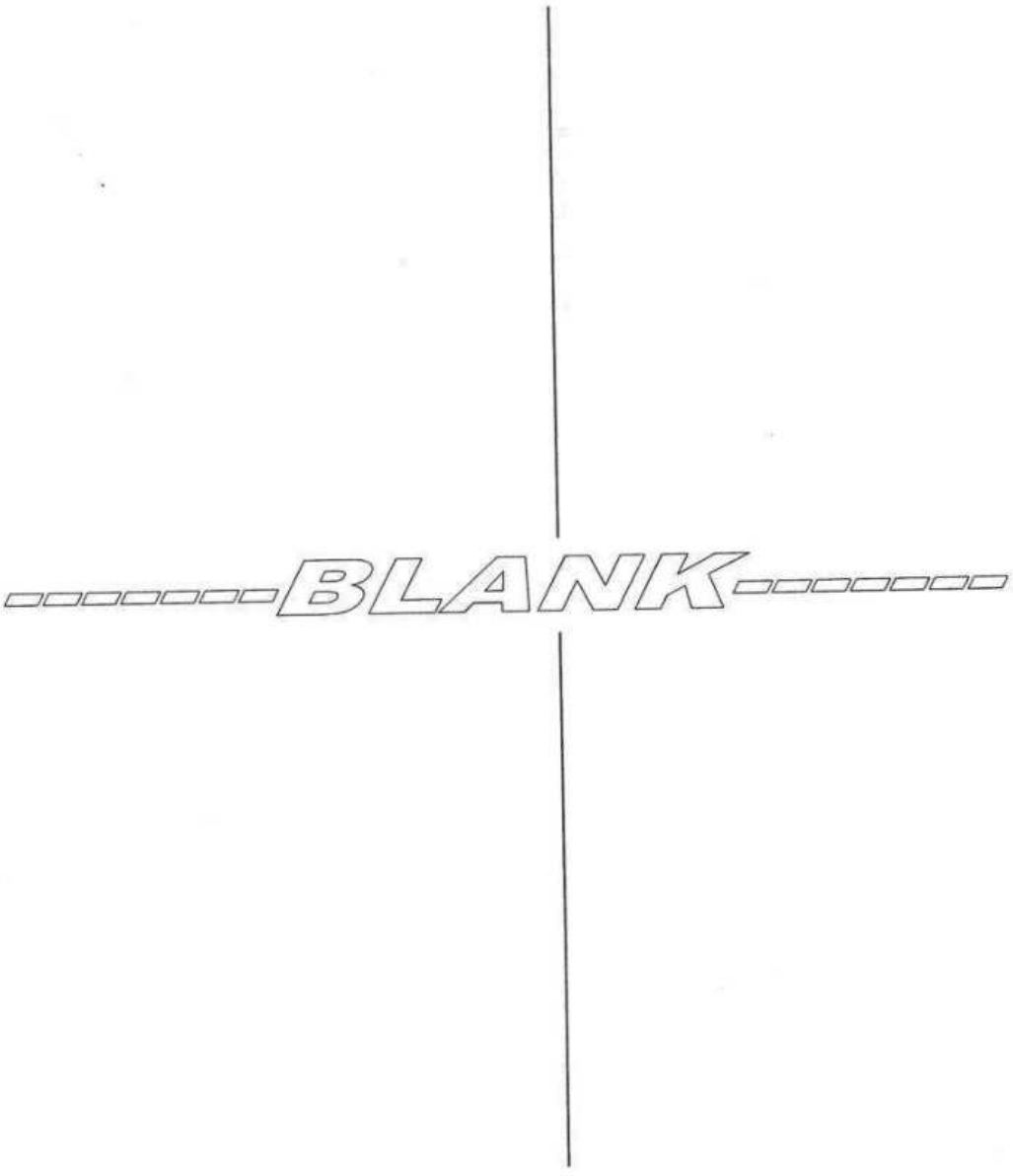
(iii) No payments for the work done will be made unless contract is signed by the contractor.

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Contractor

EE-III(Works)



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Contractor

EE-III(Works)

TENDER & CONTRACT CPWD

GOVERNMENT OF INDIA
CENTRAL PUBLIC WORKS DEPARTMENT

PercentageRateTender/ItemRateTender&ContractforWorks

Tender for the work of: - ***Marine esplanade : Marina road restructuring with uinform carriage way , walking track, street lighting, street furniture, service core trenching and land scaping.***

(i) To be submitted/ uploaded by 3.00 PM on PPPPPPPP. to the Executive Engineer-III (Works), PBMC/upload at **"eprocure.andaman.gov.in"**

(ii) To be opened in presence of tenderers who may be present at 4.00 PM on PPPPPPPPPP in the Office of the Executive Engineer-III (Works), PBMC.

Issued to :

Signature of Officer issuing the documents

Designation : - Executive Engineer-III (Works)

Date of Issue

* Note Applicable for e-Tendering

e-TENDER

I/We have read and examined the notice inviting e-tender, schedule, A, B, C, D, E & F. Specifications applicable, Drawings & Designs, General Rules and Directions, Conditions of Contract, clauses of contract, Special conditions, Schedule of Rate & other documents and Rules referred to in the conditions of contract and all other contents in the tender document for the work.

I/We hereby tender for the execution of the work specified for the President of India within the time specified in Schedule 'F', viz., schedule of quantities and in accordance in all respects with the specifications, designs, drawings and instructions in writing referred to in Rule-1 of General Rules and Directions and in Clause 11 of the Conditions of contract and with such materials as are provided for, by, and in respects in accordance with, such conditions so far as applicable.

We agree to keep the tender open for sixty(60) days from the due date of its opening and not to make any modification in its terms and conditions.

A sum of Rs. 18, 89,985.00 is hereby forwarded in cash/Receipt Treasury Challan/ Deposit at Call Receipt of a Scheduled Bank/fixed deposit receipt of scheduled bank/demand draft of a scheduled/ bank guarantee issued by a scheduled bank as earnest money./ A copy of earnest money in receipt treasury challan/ deposit at call receipt of a scheduled bank/ fixed deposit receipt of scheduled bank/ demand draft of a scheduled bank/ bank guarantee issued by a scheduled bank is scanned and uploaded **(strike out as the case may be).** If I/we, fail to furnish the prescribed performance guarantee within prescribed period, I/we agree that the said President of India or his successors in office shall without prejudice to any other right or remedy, be at liberty to forfeit the said earnest money absolutely. Further, If I/we fail to commence the work as specified, I/we agree that President of India or his successors in office shall without prejudice to any other right or remedy available in law be at liberty to forfeit the said earnest money and the performance guarantee absolutely, otherwise the said earnest money shall be retained by him towards security deposit to execute all the works referred to in the tender documents upon the terms and conditions contained or referred to therein and to carry out such deviations as may be ordered, upto maximum of the percentage mentioned in Schedule 'F' and those in excess of that limit at the rates to be determined in accordance with the provision contained in Clause 12.2 and 12.3 of the tender form.

Further, I/We agree that in case of forfeiture of earnest money or both Earnest Money & Performance Guarantee as aforesaid, I/We shall be debarred for participation in the re-tendering process of the work

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I/We undertake and confirm that eligible similar work(s) has/ have not been got executed through another contractor on back to back basis. Further that, if such a violation comes to the notice of Department, then I/We shall be debarred for tendering in CPWD in future forever. Also, if such a violation comes to the notice of the Department before date of start of work, the Engineer-in-charge shall be free to forfeit the entire amount of Earnest Money Deposit/ Performance Guarantee.

I/We hereby declare that I/we shall treat the tender documents drawings and other records connected with the work as secret/confidential documents and shall not communicate information/derived there from to any person other than a person to whom I/We am/are authorized to communicate the same or use the information in any manner prejudicial to the safety of the Council.

Dated:

Signature of Contractor

Witness:
Address:
Occupation:

Postal Address: M/s. Surendra Infrastructure (P) Ltd.
Govt. Contractor, VIP Road, J/Ghat.
Phone No: 03192-233517, 231781

ACCEPTANCE

The above tender (as modified by you as provided in the letters. mentioned hereunder) is accepted by on behalf of the CEO, PBSPL for a sum of ₹. 9,97,51,266.00/-(Rupees Nine Crore Ninety Seven Lac Fifty One Thousand Two Hundred Sixty Six Only)

The letters referred to below shall form part of this contract agreement: -

a) ***Copy of Performance Guarantee Letter No: 05-03/SE/ EE-III/ Wks/SWM/ MC/2020-21/03, dated 03.07.2020.***

b) **Copy of Bank Guarantee No: 78/2020, dated 13.07.2020,**
Name of Bank: Canara Bank, Port Blair.

c) **Copy of Award Letter No: 05-03/SE/EE-III/Wks/SWM/ MC/2020-21/07, dated 13.07.2020.**

For & behalf of the CEO, PBSPL

Signature.....
Designation.....

EXECUTIVE ENG.....P-III
(WORKS & SWM)
Municipal Council

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D'Man Gr-III

Contractor

EE-III(Works)

PERFORMA OF SCHEDULES CPWD

PERFORMAOFSCHEDULES

(SeparatePerformaforCivil,Elect.&Hort.WorksincaseofCompositeTenders)

(Operative Schedules to be supplied separately to each intending tenderer)

SCHEDULE "A"

Schedule of quantities (enclosed)

SCHEDULE "B"

Schedule of materials to be issued to the contractor.

Sl.No	Description of items	Quantity (In Cum)	Rates in figures & words at which the material will be charged to the contractor (In Rs.)	Place of Issue
	Stone aggregate of sizes			
1	90 to 45mm nominal size	196.00	1445.54	PBMC Stockyard
2	63 to 45mm nominal size	147.00	1445.54	PBMC Stockyard
3	53 to 22.5mm nominal size	147.00	1445.54	PBMC Stockyard
4	40mm nominal size	1466.76	1466.76	PBMC Stockyard
5	20mm nominal size	2688.00	1516.82	PBMC Stockyard
6	13.20/12.50mm nominal size	69.00	1544.84	PBMC Stockyard
7	11.20mm nominal size	67.00	1544.84	PBMC Stockyard
8	Pulverised Sand Zone-II	1708.78	1567.91	PBMC Stockyard

SCHEDULE "C"

Tools and plants to be hired to the contractor

S. No.	Description	Hire charges per day	Place of issue
1	2	3	4

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SCHEDULE "D"

Extra schedule for specific requirements/documents for the work, if any

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D'Man Gr-III Contractor EE-III(Works)

PERFORMA OF SCHEDULES		CPWD

SCHEDULE "E"

Reference to General Conditions of Contract. **General condition of Contract CPWD 2014 with upto date Correction.**

Name of Work: -	***Marine esplanade: Marina road restructuring with uinform carriage way , walking track, street lighting, street furniture, service core trenching and land scaping.***
Estimated cost of work: -	Rs. 94499231.00 (Civil-82572917+Elect-11926314)
Earnest Money: -	Rs.18, 89,985.00
Performance Guarantee:-	**5% of tendered value.**
Security Deposit: -	**2.5% of tendered value.**

SCHEDULE "F"
GENERAL RULES & DIRECTIONS

Officer inviting tender	**Executive Engineer-III (Works), Municipal Council, Port Blair**
Maximum percentage for quantity of Items of work to be executed beyond which rates are to be determined in accordance with clause 12.2 & 12.3	See under Clause 12

Definitions:

2 (v) Engineer-in-charge	**Executive Engineer-III(Works), Municipal Council, Port Blair**
2 (vii) Accepting Authority	**Superintending Engineer, Municipal Council Port Blair**
2 (x) Percentage on cost of materials and Labour to cover all overheads and profits	**15%**
2 (xi) Standard Schedule of Rates	**DSR 2016**
2 (xii) Department	***Port Blair Municipal Council***
9 ii) Standard CPWD contract Form	**CPWD form 8 (GCC-2014) as modified & corrected upto the date of receipt of online bid.**

Clause 1

i)	Time allowed for submission of Performance Guarantee from the date of issue of letter of acceptance, in days	**15 days**
ii)	Maximum allowable extension with late fine @0.1% per day of performance guarantee amount beyond the period provided in (i) above in days	**07 days**

Clause 2

Authority for fixing compensation under clause 2	**Superintending Engineer PBMC, Port Blair.**

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EE-III(Works)

Clause 2A

Whether Clause 2A shall be applicable — **No**

Clause 5

Number of days from the date of issue of letter of acceptance for reckoning date of start — **15 days**

Milestone(s) as per table given below:

Table of Mile Stone(s)

Sl. No.	Description of Milestone (Physical)	Time allowed (from date of start)	Amount to be with held in case of non achievement of milestone
1	Completion of 25% of works all complete i/c finishing work.	1.5 Months	1.25% of tendered Amount
2	Completion of 50% of works complete i/c finishing work.	03 Months	1.25% of tendered Amount
3	Completion of 75% of works all complete i/c finishing work.	4.5 Months	1.25% of tendered Amount
4	Completion of all civil & electrical works, commissioning of all services and cleaing of site	06 Months	1.25% of tendered Amount

Time allowed for execution of work is — **6 Months**

Authority to decide

(i) Extension of time — **Executive Engineer-III (Works), PBMC, Port Blair**

(ii) Rescheduling of milestones — **Superintending Engineer, PBMC, Port Blair**

(iii) Shifting of Date of start in case of delay in handing over of site. — **Superintending Engineer, PBMC, Port Blair**

Clause 6, 6A

Clause applicable — **6A**

Clause 7

Gross work to be done together with net payment/ adjustment of advances for material collected if any, since the last such payment for being eligible to interim payment — **10% of tendered Amount**

Whether Clause 7A shall be applicable:- — **Yes**

No running account bill shall be paid for the work till the applicable labour licenses, registration with EPFO, whatever applicable are submitted by the contractor to the Engineer-in-charge.

Clause 10A

List of testing equipment to be provided by contractor at site lab

1.Slump Cone with tamping rod and non-absorbent platform.
2.Graduated Glass Cylinder(150 to 200 ml .capacity)
3.Weighing Balance of required capacity(Digital display)
4.Cube mould of 15x15x15 cm of required number(at least 6 number)
5.Plumb bob, Steel tape, Vernier Caliper, Sprit level.
6.Dumpy or Auto Level
7.Brass and metal sieve of required size for testing coarse and fine aggregate.

Clause 10B (ii)

Whether clause 10 B (ii) shall be applicable — Yes

Clause 10 CA

Modified Provision Clause 10CA Materials Covered under this clause	Nearest Materials (Other than cement, reinforcement bars and structural steel for which All India Wholesale Price Index to be followed	Base price of all the materials covered under Clause 10CA

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Clause 10CC

Clause 10CC to be applicable in contracts with stipulated period of completion exceeding the period shown in next column	*18 months*
Schedule of component of other materials, labour,POL etc. for price escalation	
Component of civil (except materials covered under clause 10CA/ Electrical construction materials expressed as percent of total value of work.	*Xm$$$.%*
Component of Labour expressed as percent of total value of work	*Y$$$$%*
Component of POL expressed as percent of total value of work	*Z$$$$.%*

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Clause 11

Specifications to be followed for execution of work	**CPWD specification 2009 Vol. I and II with up to date correction slip till the last. date of receipt of tender.**

Clause 12	Type of Work	**Original Work**
Clause 12.2 & 12.3	Deviation limit beyond which clause 12.2 and 12.3 shall apply for building work excluding foundation	**30% (Thirty percent)**
Clause 12.5	(i)Deviation Limit beyond which clauses 12.2 & 12.3 shall apply for foundation work (except earth work)	**100% (One hundred percent).**
	(ii) Deviation Limit for items in earth work subhead on DSR or related items.	**100% (one hundred percent).**

Clause 16

Competent Authority for deciding reduced rates Port Blair upto 5% of contract value under his own power. **Superintending Engineer, PBMC**

Clause 18

List of mandatory machines, tools & plants to be deployed by the contractor at site:

1.Concrete mixer of 0.14 cum capacity - 03 nos
2.Needle Type vibrator (40mm & 25mm)- 04 nos for each type
3.Water pumping set for curing -3 nos
4.Welding machine-As requried at Site
5.Centering and Shuttering- 300 Sqm

Clause 36 (i)

Requirement of Technical Representative (s) and recovery Rate

Sl. No	Cost of Work (In Lakhs)	Minimum qualification of Technical Representative / Discipline-Civil	Number	Designation (Principal Technical/Technical representative)	Minimum Experience (Years)	Rate at which recovery shall be made from the contractor for not fulfilling provision
1	150-500	(i)Graduate Engineer (ii)Graduate Engineer or Diploma Engineer	1 1 or 1	(i)Principal Technical Representative (ii)Project Planning/ Site/ billing Engineer	5 2 or 5	` 25,000/- ` 15,000/- or ` 15,000/- per month
2	500-1000	(i)Graduate Engineer (ii)Graduate Engineer or Diploma Engineer	1 2 or 2	(i)Principal Technical Representative (ii)Project Planning/ Site/ billing Engineer	5 2 or 5	` 25,000/- ` 15,000/- or ` 15,000/- per month

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EE-III(Works)

Assistant Engineers retired from Government services that are holding Diploma will be treated at par with Graduate Engineers.
Diploma holder with minimum 10 (ten) year relevant experience with a reputed construction company can be treated at per with Graduate Engineers for the purpose of such deployment subject to the condition that such Diploma holders should not exceed 50% of requirement of Degree Engineers.

Clause 42

i) Schedule / statement for determining theoretical quantity of cement &
(a) bitumen on the basis of Reprint Delhi Schedule of Rates 2010 (with upto date correction slip till the last date of receipt of tender) printed by C.P.W.D.

ii) Variations permissible on theoretical quantities.

(a) Cement for works with estimated cost-put to tender not more than 5 lakhs. — 3% plus / minus

For works with estimated cost put to tender more than 5 lakhs — 2% plus / minus

(b) Bitumen for all works — 2.5% plus only and nil on

(c) Steel Reinforcement and structural steel section for each diameter, section and category. — 2% plus / minus

(d) All other materials — Nil

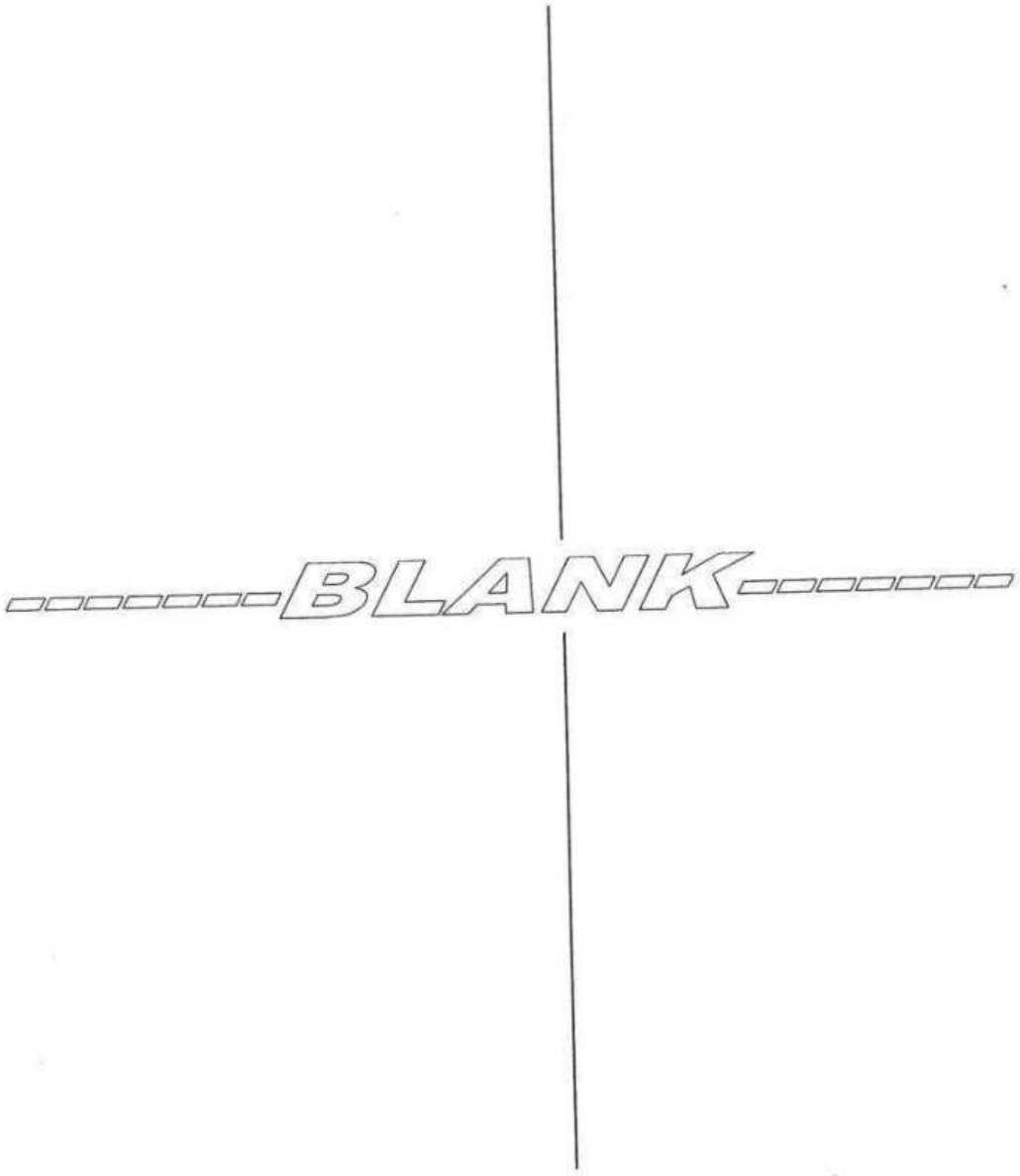
Sl. No.	Description of item	Rates in figure and words at which recovery shall be made from the contractor	
		Excess beyond permissible variation (In Rs)	Less use beyond the permissible variation (In Rs.)
	Stone aggregate of sizes		
1	90 to 45mm nominal size	2891.08	1445.54
2	63 to 45mm nominal size	2891.08	1445.54
3	53 to 22.5mm nominal size	2891.08	1445.54
4	40mm nominal size	2933.52	1466.76
5	20mm nominal size	3033.64	1516.82
6	13.20/12.50mm nominal size	3089.68	1544.84
7	11.20mm nominal size	3089.68	1544.84
8	Pulverised Sand Zone-II	3135.82	1567.91

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EE-III(Works)



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EE-III(Works)

ADDITIONALCONDITIONS

1. The work shall be carried out in according with the drawings issued by the PBMC. The drawing shall have to be properly correlated before executing the work. Architectural drawings requirement shall have to be fully satisfied for finishing items, samples shall be prepared for prior approval of the Engineer-in- charge before starting the particular item of work.
2. In cash there is a contradiction anywhere mentioned in the tender document, the decision of Engineer – in- charge shall be final & binding on the contractor.
3. The contractor shall be responsible to arrange at his own cost all necessary tools and plants required for the execution of the work.
4. The Contractor shall provide at his own cost suitable balance and leveling instruments, at site for checking the weight dimension and level as may be necessary for the execution of work.
5. The Contractor shall leave such recess holes, opening etc. as may be required for the electric and sanitary work and nothing extra shall be paid to the contractor on this account.
6. For cutting of holes in RCC walls, floor and chajjas etc. the tendered rate shall include the cost of cutting holes wherever required and making good the same and nothing extra shall be paid for this.
7. In respect or projected balconies and projected verandahs the payment for the RCC work shall be made under the items If RCC works (RCC slabs). For centering, Shuttering at edge of slab, projected balconies and projected verandahs, all the exposed edges shall however be finished as per specification and nothing extra shall be paid.
8. The contractor shall ensure that the sand arranged by him satisfies the requirement of grading as per zone II for concreting and one IV for plastering. The Engineer – in – charge should also ensure the grading requirement before allowing the same in construction work.
9. The contractor shall have to make approaches to the site, if so required and keep them in good condition for transportation of labour and materials and as well for Inspection of works. Nothing Extra shall be paid on this account.
10. The work shall be carried out in a manner, complying in all repeats with the requirements of relevant byelaws of the local bodies and statutory authorities under the jurisdiction of which the work is to be executed and nothing extra shall be paid on this account.
11. The contractor shall make his own arrangements for obtaining electric connections(s), if required, and make necessary payments directly to the department concerned. The department will, however, make all reasonable recommendation to the Authority concerned in this regard.
12. No payment will be made to the contractor for the damage caused by rains, floods, tidal waves or other natural calamities during the execution off the work and the same shall be made good at his own cost and no claims on this account will be entertained.
13. The execution of any items of work where any incidental work is actually required but not specifically stated in the tenders, it is to be understood that the rate quoted by the contractor shall cover such charges also and nothing extra on account of such incidental charges, if any, shall be paid.
14. In respect of all labour directly of indirectly employed in the work for the performance of the contract's part of this agreement, the contractor shall at his own expense arrange for the safety provisions as per Indian standard Safety codes (Latest Revision) shown below find shall at his own expense provide for all facilities in connection there with. In case the contractor fails to make arrangement and provide necessary facilities as aforesaid, he shall be liable to pay penalty prescribed under relevant clauses of this tender document for each default and in addition the Engineer – in – charge shall be at liberty to make

arrangement and provide facilities as aforesaid and recover the cost incurred on this behalf from the contractor, and no clams whatsoever shall be entertained.

1	IS 3696 (Pt.1)-1987	Safety code for scaffolds and ladders
2	IS 3696 (Pt.1)-1991	Safety code for scaffolds and ladders Pt.II.
3	IS 3746 – 1992	Safety code for excavation a work.
4	IS 4014 Pt-II 1967	Code of practice for steel tubular scaffolds.
5	IS 4081 – 1986	Safety Code for blasting and drilling operations.
6	IS 4130 – 1991	Safety code for demolition of building.
7	IS 4138 – 1977	Safety code for Working in compressed air .
8	IS 5121	Safety code for pilling and other deep foundations.
9	IS 5916-1970	Safety code for Construction involving use of hot bituminous materials.
10	IS 7293 - 1974	Safety code for working with construction machinery
11	IS 7969 - 1975	Safety code for storage and handling of building material.
12	**Any other code and/ or as per direction of Engineer -in- Charge.**	

15. The contractor shall ensure all safety protection measures required for deep excavation (If required) in accordance with standards approved by Engineer – in- charge to protect the adjacent buildings and to keep the high intensity road traffic in operation in accordance with the requirements of traffic police and any other authority, which has jurisdiction over the area in the case of any loss/ damage of any kind, responsibilities of such loss. Damage shall be with the contractor.
16. The contractor shall wherever required take all necessary measures for the safety of traffic during construction and provide, erect and maintain such barricades, signs, makings, flags, temporary warning lights and flagman etc. as directed by the Engineer-in-charge for the proper flow of traffic and identification of construction area. He shall be responsible for all damage ages and accidents caused due to any negligence on his part.
17. The contractor shall maintain temporary/permanent benchmarks at the site of work after carrying out the initial layout. These benchmarks shall be got checked by the Engineer-in-charge or his authorized representative. The work at different stages shall bechecked with reference to permanent/ temporary bench marks maintained for said purpose. Nothing extra shall be paid for above and cost of layout at all stages including construction/ maintenance of said bench marks shall be deemed to be included in the rate.
18. All items if excavation, boring of piles, etc. shall be through all types of soils rocks, existing roads/pavements, water bound macadam, bituminous layers of all thickness, boulders, etc. all such elements shall be deemed to included in the rate for which nothing extra shall be paid.
19. The rate shall include disposal of all spoils, waste of bentonite, all dismantled materials, slush and foul materials, surplus earth at a place acceptance authorities concerned and Engineer-in-charge for which nothing extra shall be paid unless otherwise specified.
20. Except as may be provided in the contract or ordered or authorized by the Engineer-In-Charge, the contractor shall not use explosives. Where the use of explosive is so required or ordered or authorized shall comply with the requirements of the following sub clauses besides the law of the land as applicable.
    i. The contractor shall at all times take every possible Precaution and comply with appropriate laws & regulation relating to the importation, handling transportation , storage and use of explosives and shall at all times when engaged in blasting operations, post sufficient warning flagmen to the satisfaction of the Engineer-In-Charge or his representation.
    ii. The contractor shall at all times makes full liaison with and inform well in advance and obtain such permission as is required from all Government Authorized public

bodies and private parties Whatsoever concerned or affected or likely to be concerned or affected by blessing operations.

iii. The contractor shall pay all license fees and charge which may be required for storage of explosive or in respect of any other matter whatsoever.

21. The contractor shall keep himself fully informed of all acts of the central and Andaman & Nicobar Administration all locals laws, ordinances, rule and regulations and all order, decrees of courts or tribunals having any jurisdiction or authority which in any manner affect those engaged or employed on the work or which in any way affect the execution of the works, contractors shall at all times, observe and its officers and employees against any claim or liability arising out of violations of any such law ordinance, legislation's order or decree, whether by himself or by his employees & authorized representatives.

22. Workers Welfare Cess @ 1% of the Gross Amount od the Bill will be deducted from each bill.

23. The contractor guarantee that in order to execute the work assigned to him he would engaged labour locally and shall not resort to import of labour from mainland without the express permission, of the Andaman & Nicobar administration, or form such authority as may be specified from time to time, In the event of grant of such permission, the contractor would forthwith intimate the labour commissioner and Andaman & Nicobar Administration, Port Blair or his authorized representatives with complete details of labour on completion of the said work unless special permission is taken from the Andaman & Nicobar Administration to engage them on other works assigned to the contractors.

24. In a tender, either the Indian agent on behalf of the Principal/ OEM or Principal/OEM itself can bid but both cannot bid simultaneously for the same item/ product in the same tender.

25. If an agent submits bid on behalf of the Principal / OEM, the same agent shall not submit a bid on behalf of another Principal/OEM in the same tender for the same Item/product.

26. Contractor to ensure observance of Minimum Wages Act, Contract Labour (R&A) Act, Payment of Wages Act, Equal Remuneration Act, Maternity Benefit Act, Building and Other Construction Worker (RE&CS) Act, Payment of Bonus Act and Workmen Compensation Act in its true letter and spirit.

27. **C.C1:3:6HOLLOWBLOCKS**

i)	Hollow Block Cement Concrete Blocks shall generally confirm to IS: 2185 (Part – I & II) 1979 with latest correction slips.
ii)	Sampling and number of tests shall be carried out as per IS: 2185 (Part –I) 1979. Cost of these sampling Blocks and cost of test shall be borne by the contractor.
iii)	The Hollow / Solid Cement Concrete Block shall be procured from only those manufacturers, who are approved by the Engineer – in- Charge.
iv)	No Cement shall be issued for the manufacture of Hollow / Solid Cement Concrete Block.
v)	No cement shall be issued for the manufacturing RCC Post and Struts to be used for barbed wire fencing.
vi)	The Minimum quantity of cement to be used for manufacture of 65 Nos. of CC Blocks of size 40x20x20 should be not less than 1.57 quintals.
vii)	The Minimum quantity of cement to be used for manufacture of 65 Nos. of CC Blocks of size 40x20x20 should be not less than 1.57 quintals.
viii)	The Minimum quantity of cement to be used for manufacture of 65 Nos. of CC Blocks of size 40x20x20 should be not less than 1.57 quintals.

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EE-III (Works)

ix)	For laying the CC Hollow Blocks in cement mortar as per specification is 1.28 (bag) Per cum masonry in addition to the cement mentioned above.

28. **SANITARYWORKS:**

i)	All sanitary and water supply fittings shall be ISI marked, Whenever ISI marked fittings are not available they shall be as per ISI specification. Vitreous China sanitary fittings products of reputed firms such as NEYCER/ CERA/ HINDUSTAN/ PARRYWARE or equivalent quality shall be accepted.
ii)	The Contractor shall be responsible for bad fixtures, the protection of all sanitary water supply fittings, against pilferage and breakage, during the period of installation of fittings and until the completion of work.
iii)	Wherever, necessary the SCI Pipes and CI Pipes shall be fixed in RCC Columns, Beams etc. with rawl plug and nothing extra shall be paid for this.

29. **WATERSUPPLYWORKS:**

i)	Sample of all the materials, pipes and fittings required for execution of work shall be got approved from the Engineer – in - Charge well in advance, otherwise their use shall not be permitted.
ii)	The pipe line should be laid properly at required gradient as directed by the Engineer-in-charge.
iii)	Each pipe line should be jointed as per the standard specifications.
iv)	Th Contractor shall furnish "Test Certificate" of the manufacture in respect of conforming to relevant IS specification, CI/DI Pipes.
v)	All Sluice Values to be provided shall conform to IS 14846 PN – 1.6.
vi)	All CI Specials to be provided shall conform to IS: 1538.
vii)	All CI Air Valves to be provided shall conform to IS: 14845.
viii)	Leakage or damage if any noticed during the maintenance period shall be made good by the Contractor at his own cost.

ROADWORKS:

i)	Contractor shall make his own arrangements to transport Bitumen for the place of delivering and to store the same.
II)	The Bitumen register should be maintained as per APPENDIX – 'A' Volume Five of CPWD Specifications 1996. All the Bitumen drums brought to site shall be serially numbered and used in the same order. The empty containers shall not be removed from the site of work, Il the relevant item of work has been completed and permission obtained from the Engineer-in-charge. A few drums may be removed before completion of work for heating Bitumen and mixing aggregates etc. with the permission from the Engineer-in-charge. Empty drums required to be returned to store shall be in good condition. Recovery rates for non return of the empty drums or for damaged drums shall be as decided by the Engineer-in-charge.

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SPECIALCONDITIONFORSTEEL

1. The Contractor shall procure TMT Bars of FE 415/ FE 500/ FE 550 grade (the grade to be procured is to be specified) from primary producers such as SAIL or TISCO or RINL as approved by Ministry of Steel.
   In Case of non – availability of steel from primary producers the NIT approving authority may permit use of TMT reinforcement bars procured from Secondary Producers. In such cases following action is to be taken by NIT approving authority.

   a. The grade of steel such as FE 415/ FE 500/ FE 550 or other grade to be procured is to be specified as per BIS 1786-2008.

   b. The secondary producers must have valid BIS License to produce HSD bars conforming to IS 1786-2008. In addition to BIS License, the secondary producer must have valid license from either of the firms Tempcore, Thermex, Evcon Turbo & Turbo Quench to produce TMT Bars.

   c. The TMT Bars procured from primary producers shall conform to manufacture's specifications.

   d. The TMT Bars procured from secondary producers shall conform to the specifications as laid by Tempcore, Thermex, Evcon Turbo & Turbo Quench as the case may be.

   e. TMT Bars procured either from primary producers or secondary producers, the specifications shall meet the provisions of IS 1786 – 2008 pertaining to FE 415D of FE 500D or FE 550D grade of steel as specified in the tender (while preparing NIT the grade of the steel to be specified).

2. The contractor shall have to obtain and furnish test certificates to the Engineer – in-Charge in respect of all supplies of steel brought by him to the site of work.

3. Samples shall also be taken and got tested by the Engineer- in-Charge as per the provisions in this regard in relevant BIS Codes. In case the test results indicate that the Steel arranged by the contractor does not conform to the specifications as defined under para (1) (d) and (1)(e) above, the same shall stand rejected and shall removed from the site of work by the contractor at his cost within a week time from written orders from the Engineer - in - charge to do so.

4. The steel reinforcement shall be brought to the site in bulk supply of 10 tonnes or more or as decided by the Engineer –In –Charge.

5. The steel reinforcement shall be stored by the contractor at site of work in such a way as to prevent distortion and corrosion and nothing extra shall be paid on this account. Bars of different sizes and lengths shall be stored separately to facilitate easy counting and checking.

6. For checking nominal mass, tensile strength, bend test, re-bend test etc, specimen of sufficient length shall be cut from each size of the bar at random at frequency not less than that specified below:

Size of Bar	For consignment below 100 tonnes	For consignment below 100 tonnes
Under 10mm dia bars	One Sample for each 25 tonnes or part thereof	One sample for each 40 tonnes or part thereof
10mm to 16mm dia bars	One Sample for each 35 tonnes or part thereof	One sample for each 45 tonnes or part thereof
Over 16mm dia bars	One Sample for each 25 tonnes or part thereof	One sample for each 50 tonnes or part thereof

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EE-III (Works)

SPECIAL CONDITIONS OF CONTRACT

1. The contractor shall Procure 43 grade (conforming to IS 8112) ordinary Portland cement, as required in the work, from reputed manufactures of cement, having a production capacity of one million tons or more per annum, such as ACC, L&T, J.P. Rewa, Vikram, Shri Cement , Virla Jute & Cement Corporation of India etc. as approved by Ministry of Industry, Government of India, and holding license to use ISI certification mark for their product whose name shall be got approved from Engineer-in-charge. The tenderer may alsosubmit a list of name of cement manufacturers which they propose to use in the work. The tender accepting authority reserves sight to accept or reject name(s) of cement manufacture(s) which the tenderer propose to use in the work. No change in the tendered rates will be accepted if the tenderer accepting authority does not accept the list of cement manufactures, given by the tenderer, fully or partially. Supply of cement shall be taken in 50kg .bags bearing manufacture's name and ISI marking. Samples of cements arranged by the contract shall be taken by the Engineer-in-charge and got tested in accordance with provisions of relevant BIS codes. In case test result indicate that the cement arranged by the contractor does not conform to the relevant BIS codes, the same shall stand rejected and shall be removed from the site by the contractor at his own cost within, a week's time of written order from the Engineer- in-charge to do so.

2. The cement shall be brought at site in bulk supply of approximately 50 tonnes or as decided by the Engineer-in-charge.

3. The cement godown of the capacity to store a minimum of 2000 bags of cement shall be constructed by the contractor at site of work for which no extra payment shall be made. Double lock provision shall be made to the door of the cement godown. The keys of one lock shall remain with the Engineer-in-charge or his authorized representative and the keys of the other lock shall remain with the contractor. The contractor shall facilitate the inspection of the cement godown by the Engineer-in-charge at any time.

4. The cement shall be got tested by Engineer-in-charge and shall be used on work only, after test results have been received. The contractor shall supply free of charge the cement required for testing including its transportation cost testing laboratories. The cost of tests shall be borne by the contractor/Department in the manner indicated below:
   a) By the contractor, if the result shows that the cement does not conform to relevant BIS codes.
   b) By the Department, if the results show that the cement conforms to relevant BIS codes.

5. The actual issue and consumption of cement on work shall be regulated and proper accounts maintained as provided in clause 10 of the contract. The theoretical consumption of cement shall be worked out as per procedure prescribed in clause 42 of the contract and shall be governed by conditions laid therein.

6. Cement brought to site and cement remaining unused after completion of work shall not be removed from site without written permission of the Engineer-in-charge.

7. Damaged cement shall be removed from site immediately by the contractor on receipt of a notice in writing from the Engineer-in-charge. If he does not do so within three days of the receipt of such notice, the Engineer-in-charge shall get removed at the cost of the contractor.

8. The contractor shall supply free of charge the steel required for testing. The cost of tests shall be borne by the contractor/Department in the manner indicated below.

   a) By the contractor, if the results show that the steel does not conform to relevant BIS codes.
   b) By the Department, if the results show that the steel conforms to relevant BIS codes.

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D'Man Gr-III Cont. EE-III (Works)

9. The actual issue and consumption of steel on work shall be regulated and proper accounts maintained as provided in clause 10 of the contract. The theoretical consumption of steel shall be worked out as per procedure prescribed in clause 42 of the contract and shall be governed by conditions laid therein. In case the consumption is less than theoretical consumption including permission of the Engineer-in-charge.

10. The Contractor should quote the rate for Reinforcement based on TMT base procured from Primary Producers only. In case contractor is permitted to use TMT reinforcement bare as procured from Secondary Producers then.

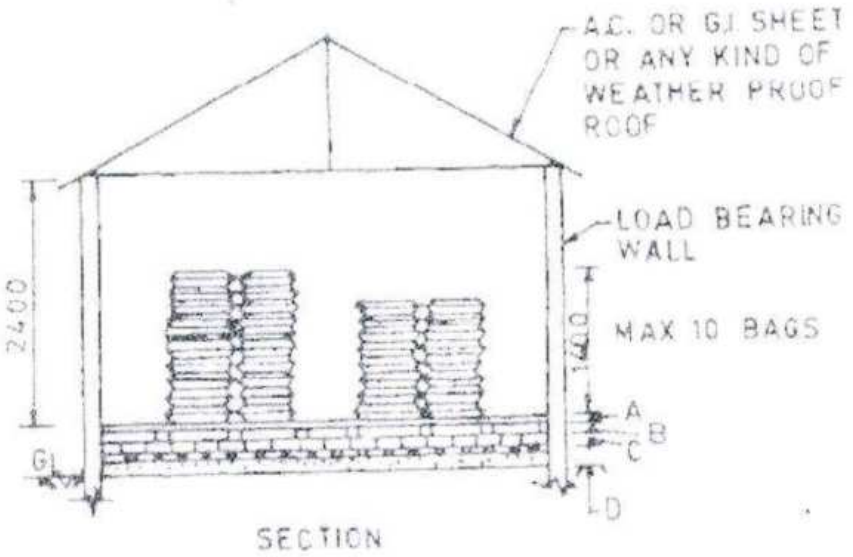
11. The rate of providing & laying TMT reinforcement bars as quoted by the contractor in the tender shall also be reduced by Rs 8.00 per kg. (Contractor's Profit and Over Head as applicable) **(Currently 15%).**

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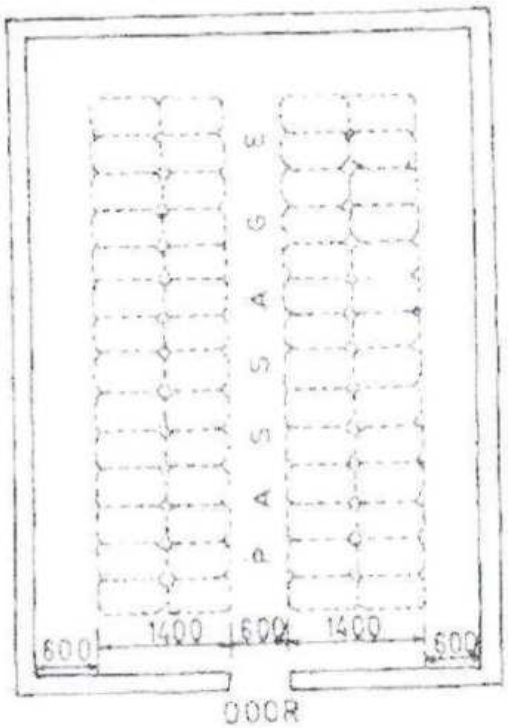
D'Man Gr-III

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EE-III (Works)



SECTION



PLAN

A = Planks
B = Wooden Battens
C = 150 Dry Bricks in Two Layers of Lean Cement Concrete
D = 150 Consolidated Earth

All dimensions in millimetres

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D'Man Gr-III

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EE-III (Works)

Sl.No	Category of Labour	Per Day	Each	Rate
1	Un-Skilled	Per Day	Each	473.00
2	Semi-Skilled	Per Day	Each	530.00
3	Skilled	Per Day	Each	615.00
4	Highly Skilled	Per Day	Each	673.00

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EE-III (Works)

PERFORMA OF SCHEDULES CPWD

PERFORMA OF SCHEDULES(Electrical)

SCHEDULE "A"

Schedule of quantities (enclosed)

SCHEDULE "B"

Schedule of materials to be issued to the contractor.

Sl.No	Description of items	Quantity	Rates in figures & words at which the	Place of Issue
1	2	3	4	5
1	----------NIL----------			

SCHEDULE "C"

Tools and plants to be hired to the contractor

S. No.	Description	Hire charges per day	Place of issue
1	2	3	4

----------NIL----------

SCHEDULE "D"

Extra schedule for specific requirements/documents for the work, if any

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D'Man Gr-III Contractor EE-III(WORKS)

PERFORMA OF SCHEDULES		CPWD

SCHEDULE "E"

Reference to General Conditions of Contract. - General Condition of contract CPWD 2014 with upto date correction

Name of Work: -	**Marine esplanade: Marina road restructuring with uniform carriage way , walking track, street lighting, street furniture, service core trenching and land scaping.**
Estimated cost of work:-	As per Part A
Earnest Money: -	As per Part A
Performance Guarantee:-	As per Part A
Security Deposit: -	As per Part A

SCHEDULE "F"

GENERAL RULES & DIRECTIONS	Officer inviting tender	**Executive Engineer-III (Works)** ***Municipal Council, Port Blair***
	Maximum percentage for quantity of Items of work to be executed beyond which rates are to be determined in 12 accordance with clause 12.2 & 12.3	See under Clause

Definitions:

2 (v)	Engineer-in-charge	**Executive Engineer-III (Works) Municipal Council, Port Blair**
2 (vii)	Accepting Authority	**Executive Engineer-III (Works) Municipal Council Port Blair**
2 (x)	Percentage on cost of materials and Labour to cover all overheads and profits	**15%**
2 (xi)	Standard Schedule of Rates	**DSR(E&M) 2016**
2 (xii)	Department	**Port Blair Municipal Council**
9 ii)	Standard CPWD contract Form	**CPWD form 8 (GCC-2014) as modified & corrected upto Last date of receipt of tenders.**

Clause 1

i)	Time allowed for submission of Performance Guarantee from the date of issue of letter of acceptance, in days	As per Part A
ii)	Maximum allowable extension beyond the period provided in i) above in days	As per Part A

Clause 2

Authority for fixing compensation under clause 2 — **Superintending Engineer PBMC, Port Blair.**

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D'Man Gr-III | Contractor | EE-III(WORKS)

Clause 2A

Whether Clause 2A shall be applicable — As per Part A

Clause 5

Number of days from the date of issue of letter of acceptance for reckoning date of start — As per Part A

Milestone(s) as per table given below:

Table of Mile Stone(s)

Sl. No.	Description of Milestone (Physical)	Time allowed (from date of start)	Amount to be with held in case of non achievement of milestone
1	----------As per Part A----------		

Time allowed for execution of work is — As per Part A

Authority to decide

(i) Extension of time — **Executive Engineer, PBMC, Port Blair**

Clause 6, 6A
Clause applicable — As per Part A

Clause 7

Gross work to be done together with net payment/adjustment of advances for material collected, if any, since the last such payment for being eligible to interim payment — **10% of tendered Amount**

Clause 10A
List of testing equipment to be provided by contractor at site lab — All equipments required for pre-commissioning test

Clause 10B (ii)

Whether clause 10 B (ii) shall be applicable — Not Appilcable

Clause 10 CA Modified Provision Clause 10CA Materials Covered under this clause	Nearest Materials (Other than cement, reinforcement bars and structural steel) for which All India Wholesale Price Index to be followed	Base price of all the materials covered under Clause 10CA

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D'Man Gr-III | Contractor | EE-III(WORKS)

Clause 10CC

Clause 10CC to be applicable in contracts with stipulated period of completion exceeding the period shown in next column	*18 months*
Schedule of component of other materials, labour,POL etc. for price escalation.	
Component of civil (except materials covered under clause 10CA/ Electrical construction, materials expressed as percent of total value of work.	Xm .%
Component of Labour expressed as percent of total value of work	Y %
Component of POL expressed as percent of total value of work	Z .%

DELETED

Clause 11
Specifications to be followed for execution of work

Specifications to be followed: CPWD General specifications for electrical works Part-IV Substation 2013, Part – I Internal 2013 , Part-2 External1994 , Part III (Lift & Escalators) 2003, Part-V: (Wet Riser & Sprinkler) 2013, Part VI (Fire Alarm System) 1988, Part VII (DG Sets) 2013 amended upto date

Clause 12
Clause 12.2 & 12.3

Deviation Limit beyond which clause 12.2 & 12.3 shall apply for building work. **30%**

Clause 12.5

Deviation Limit beyond which clause 12.2 & 12.3 shall apply for foundation work. **Not Appilcable**

Clause 16
Competent Authority for deciding reduced rates Port Blair upto 5% of contract value under his own power. **Superintending Engineer, PBMC**

Clause 18
List of mandatory machines, tools & plants to be deployed by the contractor at site: As required for timely execution of work

Clause 36 (i)
Requirement of Technical Representative (s) and recovery Rate

Sl. No	Minimum qualification of Technical Representative / Discipline	Number	Designation (Principal Technical/Technical representative)	Minimum Experience (Years)	Rate at which recovery shall be made from the contractor for not fulfilling provision	Cost of Work (In Lakhs)
1	----------As per Part A----------					

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D'Man Gr-III

Contractor

EE-III(WORKS)

COMMERCIAL AND ADDITIONAL CONDITIONS FOR ELECTRICAL WORKS

SH: Providing Internal El

1.0 General: The work shall be generally carried out in accordance with tender/bid

specifications and the following specifications / rules

a) CPWD General Specifications for Electrical work Part I Internal - 2013, as amended up to date

b) CPWD General Specifications for Electrical work Part II External - 1994, as amended up to date

c) CPWD General Specifications for Electrical work Part IV Sub-station-2013 as amended up to date.

d) Commercial and Additional conditions for this work.

e) The Indian Electricity Act, 2003.

f) Indian Electricity Rules 1956 amended upto date

The copy of CPWD General Specifications are readily available in CPWD website

www.cpwd.gov.in under the link publication

1.1 Interpreting Specifications:

In interpreting the specifications, the following order of decreasing importance shall be

Followed in case of contradictions:

a) Schedule of quantities

b) Additional Technical specifications attached with tender documents

c) Drawing (if any approved by Engineer –In- Charge)

d) CPWD General specifications for electrical works

e) Relevant BIS or other international code in case BIS code is not available

1.2 The Department shall not issue any T & P and nothing extra shall be paid on account of this.

1.3 The main contractor should engage an eligible agency having valid registration in CPWD, APWD, MES, and ALHW & P&T in appropriate class under category internal & external electrical installations / appropriate class under composite category for execution of electrification work. The firm should posses' valid electrical contractor license. In case the main contractor himself meets the above criteria, he shall be allowed to execute this sub-head of work after due verification by the Engineer-in-Charge of Electrical Works The firm shall be issued tender on production of valid electrical license from competent authority in the name of the contractor. However, the contractors shall be allowed to participate in tender with an undertaking that they will either obtain valid electrical license at the time of execution of electrical work or associate contractors having valid electrical license of eligible class. In case of association of electrical contractor, the main contractor has to enter in agreement with the contractor associated and copy of such agreement shall be submitted to Executive Engineer in charge of E&M component. In case the main contractor intends to change the associated contractor during operation of the contract, he shall obtain prior approval of respective Engineer in charge. The new agency shall have to satisfy the laid down eligibility criteria. In case Engineer in charge of respective disciple is not satisfied with the performance of the agency, he can direct the main contractor to change the agency associated for execution of minor component and this shall be binding on the main contractor.

2.0 Rates:

The rates quoted by the tendered, shall be firm and inclusive of all taxes (including works contract tax but excluding service tax), octroi, duties and levies and all charges for packing forwarding, insurance, freight and delivery, installation, testing, commissioning etc at site i/c temporary constructional storage, risks, over head charges, general liabilities/obligations and clearance from local authorities

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D'Man Gr-III

Contractor

EE-III(WORKS)

3.0 Completeness of tender:

All sundry equipment, fittings, unit assemblies, accessories, hardware items, foundation bolts, termination lugs for electrical connections, and all other items which are useful and necessary for efficient assembly and installation of equipment and components of the work shall be deemed to have been included in the tender irrespective of the fact whether such items are specifically mentioned in the tender documents or not.

4.0 Storage and custody of materials:

The agency has to make his own arrangement for watch and ward of the stores. Their safe custody shall be the responsibility of the contractor till the final taking over of the installation by the department.

5.0 Care of the Building:

Care shall be taken by the contractor while handling and installing the various equipments and components of the work to avoid damage to the building. He shall be responsible for repairing all damages and restoring the same to their original finish at his cost. He shall also remove at his cost all unwanted and waste materials arising out of the installation from the site of work.

6.0 Completion period :

The completion period indicated in the tender documents is for the entire work of supplying, installation, testing, commissioning and handing over of the entire installation to the satisfaction of the Engineer-in-charge.

7.0 Performance Guarantee:

7.1 The tenderer shall guarantee among other things, the following vis-à-vis specifications.
a. Quality, strength and performance of the materials used.
b. Satisfactory operation during the maintenance period.

8.0 Defect Liability Period:

All the equipments shall be guaranteed for a period of 12 months from the date of taking over the installation by the department against unsatisfactory performance and / or break down due to defective design, workmanship of material. The equipments or components, or any part thereof, so found defective during guarantee period shall be forthwith repaired or replaced free of cost, to the satisfaction of the Engineer-in-Charge. In case it is felt by the department that undue delay is being caused by the contractor in doing this, the same will be got done by the department at the risk and cost of the contractor. The decision of the Engineer-in-Charge in this regard shall be final.

9.0 Power Supply & Water Supply :

No Power & Water Supply shall be provided by the department for the purpose of carrying the work, except for testing and commissioning of installations. The contractor shall make its own arrangement in this regards.

10.0 Data and Programme to be furnished by the tenderers:

The Contractor shall prepare the programme chart for the execution of the work showing clearly all activities from the start of work to the completion required for the completion of the work within the stipulated period and submit the same to the Engineer-in-Charge within fifteen days after the issue of letter for commencement of the work. The Contractor shall also submit monthly programme and progress reports and update / re-schedule the same every month. These shall be submitted by the contractor in soft copy also besides forwarding hard copy of the same.

11.0 Extent of work:

11.1 The work shall comprise of entire labour including supervision and all materials necessary to make a complete installation and such tests and adjustments and commissioning as may be required by the department.
11.2 Minor building works necessary like making of opening in walls or in floors and restoring to their original condition, finish and necessary grouting etc as required to be undertaken.

11.3 Maintenance (Routine & preventive) for one year from date of completion and handing over.

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D'Man Gr-III

Contractor

EE-III(WORKS)

12.0 Compliance with Regulations and Indian standards

12.1 All works shall be carried out in accordance with relevant regulation, both statutory and those specified by the Indian Standards related to this work. In particular, the equipment and installation shall comply with the following:

a. Factories Act

b. Indian Electricity Rules

c. I.S. & BS Standards as applicable

d. Workmen's compensation Act

e. Statutory norms prescribed by local bodies

13.0 Indemnity:

The successful tenderer shall at all times indemnify the department, consequent on this works contract. The successful tenderer shall be liable, in accordance with the Indian Law and Regulations for any accident occurring due to any cause and the department shall not be responsible for any accident or damage incurred or claims arising there from during the period of erection, construction and putting into operation the equipments and ancillary equipment under the supervision of the successful tenderer in so far as the latter is responsible. The successful tenderer shall also provide all insurance including third party insurance as may be necessary to cover the risk. No extra payment would be made to the successful tenderer due to the above.

14.0 Cooperation with other agencies:

The successful tender shall co-ordinate with other contractors and agencies engaged in the construction of the building and exchange freely all technical information so as to make the execution of this works contract smooth. No remuneration should be claimed from the department for such technical cooperation. If any unreasonable hindrance is caused to other agencies and any existing portion of the building has to be dismantled and re-done for want of cooperation and coordination by the successful tenderer during the course of work, such expenditure incurred will be recovered from the successful tenderer if the restoration work to the original condition or specification of the dismantled portion of the work was not undertaken by the successful tenderer himself. Water proofing of pits shall not be damaged under any circumstances.

15.0 Verification of correctness of material at Destination:

All materials and equipments supplied by the contractor shall be new. They shall be of such design, size and materials as to satisfactorily function under the rated conditions of operation and to withstand the environmental conditions at site. The contractor shall have to produce all the relevant records to certify that the genuine material from the manufacturers has been supplied and erected.

(a) Materials and equipments to be used in the work shall be inspected by the Departmental officers. Such inspection will be of following categories:
(i) Inspection of materials/equipments to be witnessed at the Manufacturer's premises in accordance with relevant BIS/Agreement Inspection Procedure.
(ii) To receive materials at site with Manufacturer's Test Certificate(s).
(iii) To inspect materials at the Authorized Dealer's Go downs to ensure delivery of genuine materials at site.
(iv) To receive materials after physical inspection at site.
(b) Similarly, for fabricated equipments, the contractor will first submit dimensional detailed drawings for approval before fabrication is taken up in the factory. Suitable stage inspection at factory also will be made to ensure proper use of materials, workmanship and quality control.

16.0 Order of Preference:

Should there be any difference or discrepancy between the description of items as given in the Schedule of Quantities, technical specifications for individual items of work (including additional and commercial conditions) and IS Codes etc., the following order of preference shall be followed:

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Contractor

EE-III(WORKS)

a. Schedule of quantities
b. Commercial and Additional conditions, technical specifications for this work
c. General Conditions of Contract for CPWD Works
d. Drawings (if any approved by the Engineer-in-charge)
e. CPWD General Specifications for electrical works
f. Relevant IS or any other International code in case IS code is not available.

17.0 Executive Engineer (Elect.) shall be the Engineer-in-Charge as far as electrical works are concerned. Separate tender form for electrical component is appended with his tender. It will be obligatory on part of the main contractor to sign the tender documents for all the component.

18.0 The main agency shall be responsible for all acts of commissions and non-commissions of the electrical contractor or sub-contractor engaged by him, even with approval of department.

19.0 Approval of the Engineer-in-charge shall be taken well in advance for all the materials to be used in the work by the contractor.

20.0 The contractor has to make his own arrangements for stores and watch and ward and no extra claim for this will be entertained.

21.0 Running payment for Electrical/Mechanical components shall be made by the EE (E) directly to the main Contractor. The main contractor shall make the payment to associated

Contractor within 15 days of receipt of each running account payment.

22.0 Payments terms :

On account payments for part work (after stipulated and statutory deductions) as assessed by the Engineer– in-charge for the applicable items in the Contract shall be payable at part rates. The part rates will be decided by the Engineer-In-Charge of the work and shall be binding on the contractor.

23.0 The main contractor shall be responsible for coordinating the activities of all works and will ensure progress of works as per laid down programme.

24.0 The Associated electrical Contractor or his representative is bound to sign the site order book as and

25.0 The contractor shall make his own arrangement at his own cost for electrical / General Tools and plants required for the work.

26.0 The connections, inter-connections, earthing and inter-earthing shall be done by the contractor wherever required to be done for energisation of the installation and nothing extra shall be paid on this account.

27.0 The contractor must be able to work on concrete slabs / walls as and when required and in complete co-ordination with the civil works. Cutting of chases in the plastered wall shall in no case be allowed. The contractor shall fix conduits and boxes in the walls soon after the brick work is completed and finish the chase to rough surface with proper cement sand mixture. Only in exceptional cases e.g. where cutting of plastered surface cannot be avoided it will be contractor's responsibility to ensure that plastering is done to match the original finish at no extra cost.

28.0 The contractor shall remove all the debris due to the electrical works from the site as soon as the work is completed.

29.0 Commissioning on Completion: After the work is completed, it shall be ensured that the installation is tested and commissioned.

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Item Rate BoQ

Tender Inviting Authority: EXECUTIVE ENGINEER-III(WORKS)

Name of Work:Marine esplanade : Marina road restructing with uinform carriage way , walking track, street lighting, street furniture, service core trenching and land scaping.

Contract No: 03192-227247/9434266168

Name of the Bidder/ Bidding Firm / Company :	Surendra Infrastructure Pvt. Ltd.

PRICE SCHEDULE

(This BOQ template must not be modified/replaced by the bidder and the same should be uploaded after filling the relevent columns, else the bidder is liable to be rejected for this tender. Bidders are allowed to enter the Bidder Name and Values only)

NUMBER #	TEXT #	NUMBER #	TEXT #	NUMBER	NUMBER #	NUMBER #	NUMBER #	TEXT #
Sl. No.	Item Description	Quantity	Units	Estimated Rate	BASIC RATE In Figures To be entered by the Bidder Rs. P	TOTAL AMOUNT Without Taxes	TOTAL AMOUNT With Taxes	TOTAL AMOUNT In Words
1	2	4	5	6	13	53	54	55
1	CIVIL WORKS							
1.01	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m. All kinds of soil.	2082.15	cum		225.000	468483.750	468483.750	INR Four Lakh Sixty Eight Thousand Four Hundred & Eighty Three and Paise Seventy Five Only
1.02	Excavation work by mechanical means Hydraulic excavator)/ manual means in foundation trenches or drains (not exceeding 1.5m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soils as directed, within a lead of 50 m. Hard rock (blasting prohibited)	240.00	cum		500.000	120000.000	120000.000	INR One Lakh Twenty Thousand Only
1.03	Filling with available pulverised sand	148.43	cum		3400.000	504662.000	504662.000	INR Five Lakh Four Thousand Six Hundred & Sixty Two Only

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EE (Wks)

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EE (Wks)

1.04	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:4:8 (1 Cement : 4 coarse sand (zone-III) : 8 graded stone aggregate 40 mm nominal size)	224.86	cum		9250.000	2079955.000	2079955.000	INR Twenty Lakh Seventy Nine Thousand Nine Hundred & Fifty Five Only
1.05	Providing and laying in position machine batched and machine mixed design mix M-25 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying but excluding the cost of centering, shuttering, finishing and reinforcement, including admixtures in recommended proportions as per IS: 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer-in-charge."(Note :- Cement content considered in this item is @ 330 kg/cum."Excess/ less cement used as per design mix is payable/recoverable separately). All works upto plinth level	1196.00	cum		11000.000	13156000.000	13156000.000	INR One Crore Thirty One Lakh Fifty Six Thousand Only
1.06	Extra for laying reinforced cement concrete in or under water and/ or liquid mud, including cost of pumping or bailing out water and removing slush etc., complete.	156.00	cum		650.000	101400.000	101400.000	INR One Lakh One Thousand Four Hundred Only
1.07	Providing and laying in position machine batched and machine mixed design mix M-25 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying but excluding the cost of centering, shuttering, finishing and reinforcement, including admixtures in recommended proportions as per IS: 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer-in-charge."(Note :- Cement contentconsidered in this item is @ 330 kg/cum."Excess/ less cement used as per design mix is payable/recoverable separately). All works above plinth level upto floor V level	1539.69	cum		11400.000	17552466.000	17552466.000	INR One Crore Seventy Five Lakh Fifty Two Thousand Four Hundred & Sixty Six Only

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EE (Wks)

1.08	Extra for providing richer mixes at all floor levels. Note:- Excess/less cement over the specified cement content used is payable /recoverable separately. Providing M-40 grade concrete instead of M-25 grade BMC/ RMC.(Note : Cement content considered in M-40 is @ 360 kg/ cum)	1569.69	cum		320.000	502300.800	502300.800	INR Five Lakh Two Thousand Three Hundred and Paise Eighty Only
1.09	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level. Thermo-Mechanically Treated bars of grade Fe-500D or more	220775.20	kg		91.000	20090543.200	20090543.200	INR Two Crore Ninety Thousand Five Hundred & Forty Three and Paise Twenty Only
1.1	12 mm plaster 1:4	2776.00	sqm		370.000	1027120.000	1027120.000	INR Ten Lakh Twenty Seven Thousand One Hundred & Twenty Only
1.11	Centering and shuttering including strutting, propping etc. and removalof form work for : Foundations, footings, bases for columns	920.00	sqm		340.000	312800.000	312800.000	INR Three Lakh Twelve Thousand Eight Hundred Only
1.12	Centering and shuttering including strutting, propping etc. and removal of form work for : Retaining walls, return walls, walls (any thickness) including attached pilasters, buttresses, plinth and string courses fillets,kerbs and steps etc.	7200.00	sqm		570.000	4104000.000	4104000.000	INR Forty One Lakh Four Thousand Only
1.13	Centering and shuttering including strutting, propping etc. and removal of form for all heights : Extra for shuttering in circular work (20% of respective centering and shuttering items)	1200.00	sqm		150.000	180000.000	180000.000	INR One Lakh Eighty Thousand Only
1.14	Centering and shuttering including strutting, propping etc. and removal of form for all heights : Lintels, beams, plinth beams, girders, bressumers and cantilevers	2220.00	sqm		525.000	1165500.000	1165500.000	INR Eleven Lakh Sixty Five Thousand Five Hundred Only
1.15	Centering and shuttering including strutting, propping etc. and removal of form for all heights : Columns, Pillars, Piers, Abutments, Posts and Struts	304.00	sqm		690.000	209760.000	209760.000	INR Two Lakh Nine Thousand Seven Hundred & Sixty Only
1.16	Providing and fixing FRP Pultruded hand rail with PU coating with 50x506mm post, top ergonomic hand rail 70x65x4mm mild omega shaped 80x4mm Toe/knee plate 80x3 mm with FRP Foot mount & SS 316 L fasteners Height 600mm AND FRP post at every 1.5 meter as per the direction of the engineer in charge	1000.00	metre		5600.000	5600000.000	5600000.000	INR Fifty Six Lakh Only

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EE (Wks)

1.17	Providing and laying factory made chamfered edge Cement Concretepaver blocks In foot path, park & lawns driveway or light & trafficparking etc. of required strength, thickness & size/ shape, made bytable vibratory method using PU mould, laid in required colour &pattern over 50mm thick compacted bed of course sand, compactingand proper embedding/laying of inter locking paver blocks into thesand bedding layer through vibratory compaction by using platevibrator, filling the joints with sand and cutting of paver blocks as perrequired size and pattern, finishing and sweeping extra sand, allcomplete as per manufacturer's specifications & direction of Engineerin-Charge. 80mm thick Cement concrete paver block of M-35 gradewith approved colour, design & pattern..	5840.00	sqm		2300.000	13432000.000	13432000.000	INR One Crore Thirty Four Lakh Thirty Two Thousand Only
1.18	Painting with silicon & acrylic emulsion based water thinnable sealer of approved brand and manufacture on wet or patchy portion of plastered surfaces : Two coats	1576.00	sqm		130.000	204880.000	204880.000	INR Two Lakh Four Thousand Eight Hundred & Eighty Only
1.19	Demolishing R.C.C. work manually/ by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 metres lead as per direction of Engineer - in-charge	261.20	cum		1100.000	287320.000	287320.000	INR Two Lakh Eighty Seven Thousand Three Hundred & Twenty Only
1.2	Demolishing cement concrete manually/ by mechanical means and disposal of material within 50 metres lead as per direction of Engineerin-charge. cum Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix)	510.00	cum		1100.000	561000.000	561000.000	INR Five Lakh Sixty One Thousand Only
1.21	Dismantling tile work in floors and roofs laid in cement mortar including stacking material within 50 metres lead. For thickness of tiles 10 mm to 25 mm	1500.00	cum		50.000	75000.000	75000.000	INR Seventy Five Thousand Only
1.22	Preparation and consolidation of sub grade with power road roller of8 to 12 tonne capacity after excavating earth to an average of 22.5cm depth, dressing to camber and consolidating with road rollerncluding making good the undulations etc. and re-rolling the sub grade and disposal of surplus earth with lead upto 50 metres.	1500.00	sqm		45.000	67500.000	67500.000	INR Sixty Seven Thousand Five Hundred Only
1.23	Supplying and stacking at site. 90 mm to 45 mm size stone aggregate	192.00	cum		2250.000	432000.000	432000.000	INR Four Lakh Thirty Two Thousand Only

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1.24	Supplying and stacking at site. 63 mm to 45 mm size stone aggregate	144.00	cum		2250.000	324000.000	324000.000	INR Three Lakh Twenty Four Thousand Only
1.25	Supplying and stacking at site. 53 mm to 22.4 mm size stone aggregate	144.00	cum		2250.000	324000.000	324000.000	INR Three Lakh Twenty Four Thousand Only
1.26	Supplying and stacking at site. Stone screening 13.2 mm nominal size (Type A)	67.50	cum		2300.000	155250.000	155250.000	INR One Lakh Fifty Five Thousand Two Hundred & Fifty Only
1.27	Supplying and stacking at site. Stone screening 11.2 mm nominal size (Type B)	31.50	cum		2300.000	72450.000	72450.000	INR Seventy Two Thousand Four Hundred & Fifty Only
1.28	Supplying and stacking at site. Moorum	40.50	cum		1000.000	40500.000	40500.000	INR Forty Thousand Five Hundred Only
1.29	Laying, spreading and compacting stone aggregate of specified sizes to WBM specifications in uniform thickness, hand picking, rolling with 3 wheeled road / vibratory roller 8-10 tonne capacity in stages to proper grade and camber, applying and brooming requisite type of screening / binding material to fill up interstices of coarse aggregate, watering and compacting to the required density .	375.00	cum		675.000	253125.000	253125.000	INR Two Lakh Fifty Three Thousand One Hundred & Twenty Five Only
1.3	Providing and applying tack coat using hot straight run bitumen ofgrade VG - 10, including heating the bitumen, spraying the bitumenwith mechanically operated spray unit fitted on bitumen boiler, cleaning and preparing the existing road surface as per specifications : On W.B.M. @ 0.75 Kg I sqm	1500.00	sqm		80.000	120000.000	120000.000	INR One Lakh Twenty Thousand Only
1.31	Providing and applying tack coat using hot straight run bitumen of grade VG - 10, including heating the bitumen, spraying the bitumen with mechanically operated spray unit fitted on bitumen boiler, cleaning and preparing the existing road surface as per specifications : On bituminous surface @ 0.50 Kg I sqm	1500.00	sqm		60.000	90000.000	90000.000	INR Ninety Thousand Only

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1.32	Providing and laying bituminous macadam using crushed stone aggregates of specified grading premixed with bituminous binder, transported to site by tippers, laid over a previously prepared surface with paver finisher equiped with lectronic sensor to the required grade, level and alignment and rolling with smooth wheeled, vibratory and tandem rollers as per specifications to achieve the desired compaction and density, complete as per specificatons and directions of Engineer-in-Charge. 50 to 100 mm average compacted thickness with bitumen of grade VG-30 @ 3.50% (percentage by weight of total mix) prepared in Drum Type Hot Mix Plant of 60-90 TPHcapacity.	30.00	cum		11500.000	345000.000	345000.000	INR Three Lakh Forty Five Thousand Only
1.33	2.5 cm thick bitumastic sheet with hot bitumen of approved quality, using stone chippings (60% with 12.5 mm nominal size and 40% with 10 mm nominal size) @ 1.65 cum per 100 sqm and coarse sand @ 1.65 cum per 100 sqm of road surface and with bitumen @ 56 kg/cum of stone chippings and @ 128 kg/cum of sand over a tack coat with hot straight run bitumen, including consolidation with road roller of 8 to 10 tonne etc. complete. (tack coat to be paid separately) : With paving Asphalt grade VG - 30	1500.00	sqm		350.000	525000.000	525000.000	INR Five Lakh Twenty Five Thousand Only
1.34	Providing and applying 2.5 mm thick road marking strips (retroreflective) of specified shade/ colour using hot thermoplastic material by fully/ semi automatic thermoplastic paint pplicator machine fitted with profile shoe, glass beads ispenser, propane tank heater and profile shoe heater, driven by experienced operator on road surface including cost of material, labour, T&P, cleaning the road surface ofall dirt, seals, oil, grease and foreign material etc. complete as perdirection of Engineer-in-charge and accordance with applicable specifications.	300.00	sqm		1000.000	300000.000	300000.000	INR Three Lakh Only
1.35	Supplying and application of Epoxy concrete bonding agent (conforming to having BIS 6319 Certification) and over cleaned and properly prepared old concrete surface to give good bonding between old and new concrete including cost of all material minor tools etc complete.	1800.00	sqm		400.000	720000.000	720000.000	INR Seven Lakh Twenty Thousand Only

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1.36	Providing and fixing Victorai bench of standard size as per the direction of engineer in charge	80.00	Nos		28500.000	2280000.000	2280000.000	INR Twenty Two Lakh Eighty Thousand Only
2	**ELECTRICAL WORKS**							
2.01	Supply of 8 Mtr. height decorative Chatsworth pole having cast iron decorative base and pipe dia of 165mm dia & 1 mtr long with cast iron reducer joining with 101mm OD straight pipe. Pole shall be mounted on square base plate. Decorative Cascade bracket with 940mm height mounted on pole. Pole and two brackets at differential height shall be galvanized and painted with PU paint in closed paint chamber with heating treatment in chamber, Make: Keselec Schreder Model: Chatsworth pole with cascade Bracket/ Bajaj Sultan or Surya makes	50.00	Nos		64000.000	3200000.000	3200000.000	INR Thirty Two Lakh Only
2.02	Supply of Decorative Luminaires for Urban lighting, body made of painted spun aluminum, The protector is made of polycarbonate grade UVresistant (IK 08), Permanently sealed optical compartment with IP66 protection. Luminaire offers tool free access to gear compartment with IP44 protection. Luminaire can be installed as a suspended luminaire. The luminaire is equipped with the LensoFlex2® technology photometric system. PMMA lenses with wide photometry for increased pole spacing. Fixture is having a surge protection of 10KA. Electronic driver is having power factor>0.90*, THD<20*% and input voltage range from 120-227V AC at 50Hz. Luminaire efficacy is 100 im/ watt system lumen greater than 7500 lumens in CCT range of 4000 as per ANSI. System life of 50000 burning hours with 70% of initial lumens maintained. Luminaire is suitable for operating temperature (Ta) from -20 to 50c. Driver can withstand 320V AC for 48 hours and 360V AC for 2 hours. Make: Keselec Schreder Model: PORTO 7075W LED/ Bajaj Borage 75W LED/ Surya SLE PT 75W VEGA or LT company makes	50.00	Nos		40000.000	2000000.000	2000000.000	INR Twenty Lakh Only

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2.03	Supply of Decorative Luminaires for Urban lighting, body made of painted spun aluminum, The protector is made of polycarbonate grade UVresistant (IK 08), Permanently sealed optical compartment with IP66 protection. Luminaire offers tool free access to gear compartment with IP44 protection. Luminaire can be installed as a suspended luminaire. The luminaire is equipped with the LensoFlex2® technology photometric system. PMMA lenses with wide photometry for increased pole spacing. Fixture is having a surge protection of 10KA. Electronic driver is having power factor>0.90*, THD<20*% and input voltage range from 120-227V AC at 50Hz. Luminaire efficacy is 100 im/ watt system lumen greater than 7500 lumens in CCT range of 4000 as per ANSI. System life of 50000 burning hours with 70% of initial lumens maintained. Luminaire is suitable for operating temperature (Ta) from -20 to 50c. Driver can withstand 320V AC for 48 hours and 360V AC for 2 hours. Make: Keselec Schreder Model: PORTO 40W LED/ Bajaj Borage 40W LED/ Surya SLE PT 40W VEGA or LT company makes	50.00	Nos		**33500.000**	**1675000.000**	**1675000.000**	INR Sixteen Lakh Seventy Five Thousand Only
2.04	Providing of XLPE (IS:7098) (I)-88 ISI armoured cable multistrand Aluminium conductor for 1.1 KV. to be laid on wall with necessary clamps or in existing trench/ pipe of 4 core 16 Sq.mm cable.	1500.00	Mtr		**275.000**	**412500.000**	**412500.000**	INR Four Lakh Twelve Thousand Five Hundred Only
2.05	Supply of 50mm DWC pipes of approved make for covering of cable.	1200.00	Mtr		**230.000**	**276000.000**	**276000.000**	INR Two Lakh Seventy Six Thousand Only
2.06	Supply of Flexible PVC insulated multistrand multicore 1.1 kv grade ISI marked copper wires of following size to be erected as directed 1.50 Sq.mm 3 core round PVC sheathed.	700.00	Mtr		**255.000**	**178500.000**	**178500.000**	INR One Lakh Seventy Eight Thousand Five Hundred Only

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2.07	Supply of Street light Timer Panel box of size H: 750mm x L: 600mm x D: 300mm of following specification: (a) fabricated from 16 G.M.S. sheet, dust & vermin proof having hinged double door, lock & key with rubber gasket and necessary Items (b) Power 3 Pole 70A. 415/ 220V. Complete contactor - 1 nos. (c) Astronomical Time switch - 1 nos. (d) 4 Pole C 10KA 63A ELCB+MCB- 1 nos. (e) 1 Pole C 10KA 6 to 32A MCB switch - 6 nos. (f) LED R.Y.B. indicator Supply side - 3 nos. (g) 40A 4 way heavy duty connector - 2 nos. (h) 1 Phase energy meter space (i) All internal complete wiring box (All materials make: L&T, BCH, T.C., Siemens, C&S,schnider) Item includes necessary stand and foundation work as directed by Engineer-In-charge	2.00	Nos		285000.000	570000.000	570000.000	INR Five Lakh Seventy Thousand Only
3	**SUB HEAD : Installation,Testing and Commissioning of Streetlight System**							
3.01	Installation of 8 mtr Decorative Pole including excavation and constructing M-20 /1:2:4 cement concrete foundation of size 45x 45 x 120 cms. Deep as directed by Engineer-in-charge.	50.00	Nos		5550.000	277500.000	277500.000	INR Two Lakh Seventy Seven Thousand Five Hundred Only
3.02	Installation, Testing and Commissioning of 75/40 watt Decorative LED Luminaries	100.00	Nos		700.000	70000.000	70000.000	INR Seventy Thousand Only
3.03	Excavation and laying of DWC pipe at a 90 mm below the ground level/level below PCC in Jogging trek. Item includes refilling of the same trench.	1200.00	Mtr		325.000	390000.000	390000.000	INR Three Lakh Ninety Thousand Only
3.04	Laying of 4x16 Sqmm Alluminium armoured cable in existing laid DWC pipe/on wall	1500.00	Mtr		60.000	90000.000	90000.000	INR Ninety Thousand Only
3.05	Erecting of 3 core 1.5 sqmm copper flexible cable in pole from junction box to Luminaries	700.00	Mtr		42.000	29400.000	29400.000	INR Twenty Nine Thousand Four Hundred Only
3.06	Providing and erecting Pipe type earting with 50mm dia GI pipe of 1500mm long. Item includes excavation and refilling necessary charcol,salt and GI strip for connecting earthing and pole.	54.00	Nos		9000.000	486000.000	486000.000	INR Four Lakh Eighty Six Thousand Only

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3.07	Erecting , Testing and Commissioning of Streetlight Timer Panel Box. Item includes excavation, RCC foundation.	2.00	Nos		6900.000	13800.000	13800.000	INR Thirteen Thousand Eight Hundred Only
3.08	Supplying and fixing of installation FRP box similar to sintex GSMB 10095,1M X 350 X 250	1.00	Nos		23500.000	23500.000	23500.000	INR Twenty Three Thousand Five Hundred Only
3.09	Wiring for circuit/ submain wiring alongwith earth wire with 4 X 4 sq. mm + 2 X 4 sq. mm earth wire of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium	1350.00	Meter		325.000	438750.000	438750.000	INR Four Lakh Thirty Eight Thousand Seven Hundred & Fifty Only
3.1	Wiring for circuit/ submain wiring alongwith earth wire with 2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium	2100.00	Meter		315.000	661500.000	661500.000	INR Six Lakh Sixty One Thousand Five Hundred Only
3.11	Supplying and fixing of 4 way Double door, horizontal type three pole and neutral, sheet steel, MCB distribution board, 415 V, on surface/ recess, complete with tinned copper bus bar,	5.00	EACH		3250.000	16250.000	16250.000	INR Sixteen Thousand Two Hundred & Fifty Only
3.12	Supplying and fixing 6A to 32 A rating, 240/415 V, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of in the existing MCB DB complete with connections,testing and	18.00	EACH		475.000	8550.000	8550.000	INR Eight Thousand Five Hundred & Fifty Only
3.13	Providing and fixing 100 A, 30kA, FPMCCB rating and breaking capacity and pole MCCB with thermomagnetic release and terminal spreaders in existing cubicle panel board including drilling	6.00	EACH		7500.000	45000.000	45000.000	INR Forty Five Thousand Only
3.14	Supplying, Installation, Testing and commissioning of Chemical Earthing system with electrode rod type-19, 50mm dia, 3 mtrs (Isc=52.6 rms for 1 sec, peak 125.6) with back	2.00	EACH		23000.000	46000.000	46000.000	INR Forty Six Thousand Only
3.15	Supplying and laying 25 mm X 5 mm G.I strip at 0.50 meter below ground as strip earth electrode, including connection/ terminating with G.I. nut, bolt, spring, washer etc. as required.	24.00	Meter		550.000	13200.000	13200.000	INR Thirteen Thousand Two Hundred Only
3.16	Supplying and installation of 25mm PVC conduit including bend/tee/junction box, etc., as required.	1750.00	EACH		65.000	113750.000	113750.000	INR One Lakh Thirteen Thousand Seven Hundred & Fifty Only
3.17	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 kV grade of 35 sq. mm in the existing RCC/ HUME/ METAL pipe as required	60.00	Meter		280.000	16800.000	16800.000	INR Sixteen Thousand Eight Hundred Only

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3.18	Supplying and making end termination with brass compression gland and aluminium lugs for 2 X 35sq. mm of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 kV grade	10.00	EACH		475.000	4750.000	4750.000	INR Four Thousand Seven Hundred & Fifty Only
3.19	Providing and fixing 100 A, TP&N disconnector fuse switch unit inside the existing panel board with ISI marked HRC fuses including drilling holes in cubicle panel, making connections, etc. as	1.00	EACH		23500.000	23500.000	23500.000	INR Twenty Three Thousand Five Hundred Only
3.2	Supplying of ELR / RCCB 63 A, Three phase, 4P , sensitivity 3A	5.00	EACH		7250.000	36250.000	36250.000	INR Thirty Six Thousand Two Hundred & Fifty Only
3.21	Fixing of 63 A, four pole, (three phase and neutral), 415 V, residual current circuit breaker (RCCB)) / ELR, having a sensitivity current 1 A in the existing MCB DB complete with connections,	5.00	EACH		2350.000	11750.000	11750.000	INR Eleven Thousand Seven Hundred & Fifty Only
3.22	Supplying of Down Light 12 W similar to Philips 31436 Andromed surface mount light as per direction of Engineer Incharge	125.00	Nos		6000.000	750000.000	750000.000	INR Seven Lakh Fifty Thousand Only
3.23	Fixing of 12 W Down Light as per direction of Engineer Incharge	125.00	Nos		600.000	75000.000	75000.000	INR Seventy Five Thousand Only
3.24	Sundary Items including tape, furnels, sleeves etc. as per direction of Engineer Incharge	1.00	Lot		14000.000	14000.000	14000.000	INR Fourteen Thousand Only
Total in Figures						99751265.750	99751265.750	INR Nine Crore Ninety Seven Lakh Fifty One Thousand Two Hundred & Sixty Five and Paise
Quoted Rate in Words		INR Nine Crore Ninety Seven Lakh Fifty One Thousand Two Hundred & Sixty Five and Paise Seventy Five Only						

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Surendra Infrastructure (P) Ltd.

19/1, V.I.P. ROAD, JUNGLI GHAT, PORTBLAIR-744 103, ☎ : 03192 -233517, 231781
Email – sursalepb@gmail.com

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13th July'2020

Executive Engineer-III (Works),
PBSPL
Municipal Council
Port Blair

SUB: BANK GUARANTEE IN LIEU OF PERFORMANCE GUARANTEE

REF: MARINE ESPLANADE: MARINA ROAD RESTRUCTURING WITH UNIFORM CARRIAGE WAY, WALKING TRACK, STREET LIGHTING, STREET FURNITURE, SERVICE CORE TRENCHING AND LANDSCAPING.

Your Award Letter No. 05-03/SE/EE-III/Wks/SWM/MC/2020-21/03 dtd 03.07.2020

Dear Sir,

Please find enclosed herewith Original Bank Guarantee Bond No. 78/2020 dated 13th July'2020 amounting Rs.49,87,563/- (Rupees Forty nine lakhs eighty seven thousand five hundred sixty three only) valid upto 12th Apr'2021, issued by Canara Bank, Port Blair on our behalf against PERFORMANCE GUARANTEE.

Please acknowledge receipt.

Thanking you

Sincerely yours,
SURENDRA INFRASTRUCTURE PVT. LTD
Surendra Infrastucture Pvt. Ltd.

Director/Authorised Signatory

Put up for agreement

Encl: Original Bank Guarantee (04 sheets)

9, EZRA STREET, CALCUTTA 700001, INDIA. GRAM: SURSALES☎: 2225 3109/3385/3382, FAX: 91-033-2225 3152
Email: sursales8@gmail.com

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केनरा बैंक Canara Bank

(A Government of India Undertaking)
Head Office : Bengaluru

Port Blair Branch
Aberdeen Bazar
Andaman and Nicobar Islands, PIN: 744101

Phone No. 03192-233188, 245824, 232953
E-mail: cb1185@canarabank.com

Ref No. CB/PB/BG

Date: 13 July 2020

To

Executive Engineer-III (Works)
Port Blair Municipal Council
Port Blair
.....
.....

Dear Sir,

SUB: Our Bank Guarantee issued on behalf of M/s Surendra Infrastructure (P) Ltd.

Please find enclosed herewith our Bank Guarantee issued on Behalf of M/s Surendra Infrastructure (P) Ltd.

Sl. No.	BGB NO.	Date of Issue	Valid upto	BG Amount
01	78/2020	13/07/2020	12/04/2021	Rs. 49,87,563/-

The Official signing the Guarantee is authorized to sign on behalf of the Bank

Yours faithfully,

For केनरा बैंक
For CANARA BANK

Senior Manager

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भारतीय गैर न्यायिक

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ONE HUNDRED RUPEES

सत्यमेव जयते

भारत INDIA

INDIA NON JUDICIAL

अंडमान और निकोबार (केंद्रशासित प्रदेश)
ANDAMAN & NICOBAR (U.T.)

केनरा बैंक CANARA BANK 1277 BC 78/2020 पोर्ट ब्लेयर / PORT BLAIR

PERFORMANCE SECURITY BANK GUARANTEE BOND

Bank Guarantee No.	: 78/2020	Issued on	: 13/07/2020
Place of Execution	: Port Blair	Valid upto	: 12/04/2021
Stamp Paper for	: Rs.100/-	Name of State	: A&N Islands.

In consideration of the President of India (hereinafter called "Government") having offered to accept the terms and conditions of the proposed agreement between Executive Engineer-III (Works), Municipal Council, Port Blair and M/s. Surendra Infrastructure Pvt. Ltd., 19/1, VIP Road, Junglighat, Port Blair-03 (hereinafter called "the said contractor(s)") for the work of **"Marine Esplanade: Marina Road Restructuring with uniform carriage way, walking track, street lighting street furniture, service core trenching and landscaping" (F.No. 05-03/SE/EE-III/Wks/SWM/MC/2020-21/03 dated 03 July 2020** (hereinafter called "the said Agreement") having agreed to production of a irrevocable Bank Guarantee for Rs.49,87,563/- (Rupees Forty nine lakhs eighty seven thousand five hundred sixty three only) as a security/ guarantee from the contractor(s) for compliance of his obligation in accordance with the terms and conditions in the said agreement. We, Canara Bank, Port Blair Branch, Port Blair (hereinafter referred to as "the Bank") hereby undertake to pay to the Government an amount not exceeding Rs.49,87,563/- (Rupees Forty nine lakhs eighty seven thousand five hundred sixty three only) on demand by Government.

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कृते केनरा बैंक
For CANARA BANK
शबनम सय्यद
SHABNAM SAYYED
प्रबंधक / MANAGER
S.P. No. 55120
Manager / Senior Manager
पोर्ट ब्लेयर/Port Blair - 744 104

कृते केनरा बैंक
For CANARA BANK
Manager / Senior Manager
पोर्ट ब्लेयर/Port Blair - 744 104

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केनरा बैंक CANARA BANK
BG
78/2020
पोर्ट ब्लेयर / PORT BLAIR

2. We, Canara Bank, Port Blair Branch, Port Blair do hereby undertake to pay the amounts due and payable under this guarantee without any the demure, merely on a demand from the Government stating that the amount claimed is required to meet the recoveries due or likely to be due from the said contractor(s). Any such demand made on the bank shall be conclusive as regards the amount due and payable by the Bank under this guarantee. However, our liability under this guarantee shall be restricted to an amount not exceeding Rs.49,87,563/- (Rupees Forty nine lakhs eighty seven thousand five hundred sixty three only).

3. We the said bank further undertakes to pay to the Government any money so demanded notwithstanding any dispute or disputes raised by the contractor(s) in any suit or proceeding pending before any Court or Tribunal relating thereto. Our liability under this present being absolute and unequivocal. This payments so made by us under this bond shall be a valid discharge of our liability for payment there under and the contractor(s) shall have no claim against us for making such payment.

4. We, Canara Bank, Port Blair Branch, Port Blair further agree that the guarantee herein contained shall remain in full force and effect during the period that would be taken for the performance of the said agreement and that it shall continue to be enforceable till all the dues of the Government under or by virtue of the said Agreement have been fully paid and its claims satisfied or discharged or till the Engineer in charge on behalf of the Government certifies that the terms and conditions of the said agreement have been fully and properly carried out by the said contractor(s) and accordingly discharges this guarantee.

5. We, Canara Bank, Port Blair Branch, Port Blair further agree with the Government that, the Government shall have the fullest liberty without our consent and without affecting in any manner our obligations hereunder to vary any of the terms and conditions of the said Agreement or to extend time of performance by the said contractor(s) from time to time or to postpone for any time from time to time any of the powers exercisable by the Government against the said contractor(s) and to forbear or enforce any of the terms and conditions relating to the said agreement and we shall not be relived from our liability by reason of any such variation, or extension being granted to the said contractor(s) or for any forbearance, act or omission on the part of the Government or any indulgence by the Government to the said contractor(s) or by any such matter or thing whatsoever which under the law relating to guarantee would, but for this provision, have effect of so relieving us.

6. This guarantee will not be discharged due to the change in the constitution of the Bank or the contractor(s).

7. We, Canara Bank, Port Blair Branch, Port Bair lastly undertake not to revoke this guarantee except with the previous consent of the Government in writing.

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केनरा बैंक
CANARA BANK
शबनम सौय्यद
SHABNAM SAYYED
प्रबन्धक / MANAGER
S.P. No. 55120
Manager / Senior Manager
Port Blair - 744 104

कृते केनरा बैंक
For CANARA BANK
प्रबन्धक / वरिष्ठ प्रबन्धक
Manager / Senior Manager
पोर्ट ब्लेयर / Port Blair - 744 104
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शमीर अख्तर

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BG
78/2020

8. This guarantee shall be valid upto 12/04/2021 Notwithstanding anything mentioned above our liability against this guarantee is restricted to Rs.49,87,563/- (Rupees Forty nine lakhs eighty seven thousand five hundred sixty three only) and unless a claim in writing is lodged with us within the date of expiry or the extended date of expiry of this guarantee all our liabilities under this guarantee shall stand discharged.

Notwithstanding anything contained herein.

1. Our liability under this guarantee shall not exceed Rs.49,87,563/- (Rupees Forty nine lakhs eighty seven thousand five hundred sixty three only).

2. This Bank Guarantee shall be valid upto 12/04/2021

3. We are liable to pay the guarantee amount or any part thereof under this Bank Guarantee only if you serve us a written claim or demand on or before 12/04/2021

Date: 13 July'2020

कृते केनरा बैंक
For CANARA BANK

प्रबन्धक/वरिष्ठ प्रबन्धक
Manager / Senior Manager
पोर्ट ब्लेयर/Port Blair - 744 104

शबनम सय्यद
SHABNAM SAYYED
प्रबन्धक / MANAGER
S.P. No. 55120

कृते केनरा बैंक
For CANARA BANK

प्रबन्धक/वरिष्ठ प्रबन्धक
Manager / Senior Manager
Port Blair - 744 104

SHAMIR AKHTER
शमिर अख्तर
प्रबंधक / Manager
SP No.

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B/Man

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EE (Wks)

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EE (Wks)

केनरा बैंक Canara Bank

पोर्ट ब्लेयर – 744 101
PORT BLAIR - 744 101 (1185)

यह लिखत जारी करने की तारीख से तीन महीने तक वैध है।
Valid for three months only from the date of instrument

CB

D	D	M	M	Y	Y	Y	Y
2	5	0	6	2	0	2	0

मांगने पर On Demand Pay EXECUTIVE ENGINEER WORKS MUNICIPAL COUNC 118[illegible]

को या उनके आदेश पर Or Order प्राप्त मूल्य के लिए

रुपये Rupees

EIGHTEEN LAKH EIGHTY NINE THOUSAND NINE HUNDRED AND EIGHTY FIVE ONLY

₹

*********1889885.00

केनरा बैंक Canara Bank
NOT OVER Rs. 1889885

Purchaser Name SURENDRA INFRASTRUCTURE PRIVATE LIMITED

कृते केनरा बैंक For Canara Bank

DENNIS VIVIN
OFFICER
CANARA BANK
C.P. NO. [illegible]

प्राधिकृत हस्ताक्षर वर्ग
AUTHO SIGNATORY

NAME

DESIGNATION

S.P. No.

प्राधिकृत हस्ताक्षर वर्ग
AUTHO SIGNATORY

Sl. No. F

Designation

Drafts of ₹ 1 Lakh and above require signatures of two authorised signatories.
Please sign above

16 CTO/ O
DRAWEE BRANCH, D. P. CODE

⑈238850⑈ 000015000⑆ 851185⑈ 16

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EE (Wks)

79

OFFICE OF THE MUNICIPAL COUNCIL,
PORT BLAIR.

No. 05-03/SE/EE-III/Wks/SWM/MC/2020-21/0707 Dated: 13/07/2020

To,

M/s. Surendra Infrastructure (P) Ltd.,
Govt. Contractor,
V.I.P Road, Junglighat,
Port Blair

Sub: - **Marine Esplanade: Marine Road Restructuring with Uniform Carriage Way, Walking Track, Street Lighting, Street Furniture, Service Core Trenching and Landscaping.**

Ref: 1. Performance Security / Guarantee amounting to **₹.49,87,563.00/-** Submitted by you vide letter No.78/2020, dated. 13.07.2020, for the above work.

2. This Office letter of intent/acceptance of your tender vide No. **05-03/SE/EE-III/Wks/SWM/MC/2020-21/03, dated 03.07.2020**.

Dear Sir (s),

1. You are requested to contact the Assistant Engineer-III (Road Works), PBMC/PBSPL, Port Blair for taking possession of site and starting the work at once.
2. In continuation to the letters referred to above, kindly find enclosed a copy of agreement you are also requested to attend this office formal agreement within fifteen days from the date of issue of this letter.

Yours Faithfully,

Executive Engineer-III (Works),
PBMC/PBSPL

Copy to:

1. The CEO, PBMC/PBSPL, for information please.
2. The Superintending Engineer, PBMC/PBSPL, for kind information please.
3. The Executive Engineer (E &M), PBMC/PBSPL for information.
4. The CFO, PBMC/PBSPL, for information.
5. The Nodal Officer, PBMC/PBSPL, for information.
6. The Assistant Engineer-III (Road Works), PBMC/PBSPL, for information.
7. The Assistant Engineer-II (Elect.), PBMC/PBSPL, for information.
8. The Accounts Officer, PBMC/PBSPL, for information.
9. The Junior Engineer, In-charge through AE-III (Road Works), PBMC/PBSPL, for information.
10. The Junior Engineer, In-charge through AE-II (Elect.), PBMC/PBSPL, for information.
10. The Junior Engineer (Store), PBMC/PBSPL, for information.

Executive Engineer-III (Works),
PBMC/PBSPL

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D/Man Cont. EE (Wks)

A1

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A2

A.....+R1.....

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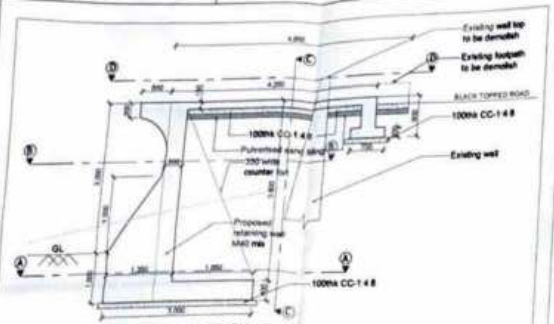
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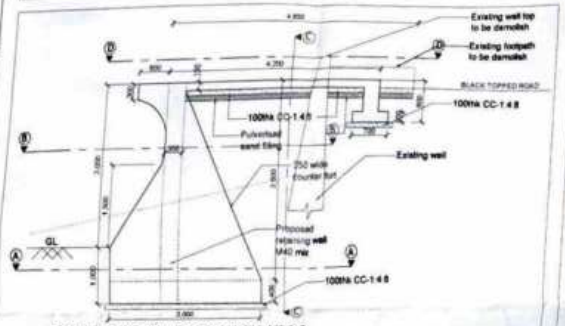
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EE (Wks)



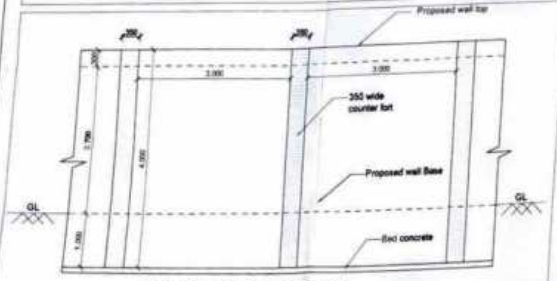
SCHEMATIC CROSS SECTION AT 1-1

SCALE - 1:50



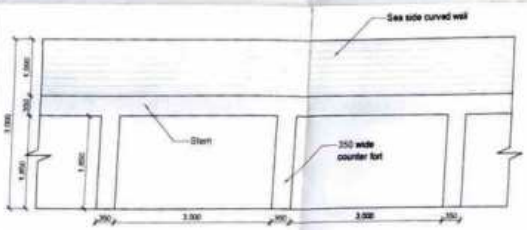
SCHEMATIC CROSS SECTION AT 2-2

SCALE - 1:50



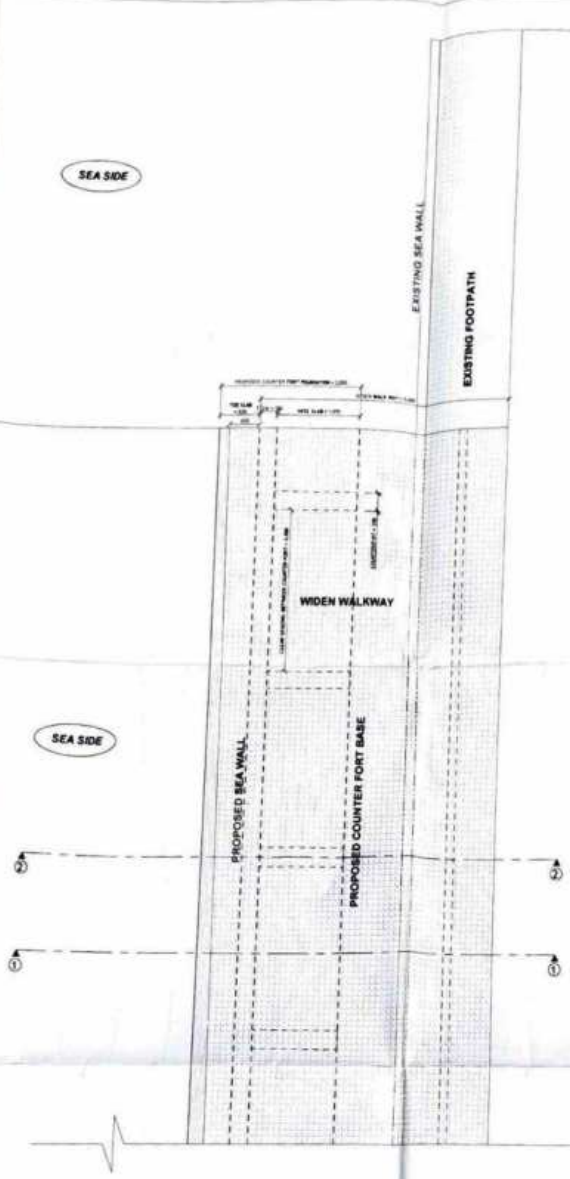
SCHEMATIC VIEW FROM C-C

SCALE - 1:50



SCHEMATIC VIEW FROM D-D / PLAN

SCALE - 1:50



SCHEMATIC TOP PLAN

SCALE - 1:50

NOTES:

1. Mix for all Rcc work shall be M40.Cement used shall conform to IS 8112 or IS 12269.
2. HYSD Bars of Fe500 (EQR) conforming to IS 1786 or TMT Bars shall be used as Reinforcement. The same is denoted as #
3. The coarse Aggregates used shall be of 20mm nominal size.
4. A lean concrete of mix CC 1:4 :8 shall be provided below Base slab.
5. The SBC of the soil has been assumed as 100KN/Sqm for calculation.
6. The effective cover for reinforcement shall be:
   a) Base Slab - 75mm
   b) Wall Earth face - 50mm
   c) Wall Outer face - 75mm
   d) Counter fort - 50mm
7. The Lap length/Development length for Bars shall be - 36 Dia.
8. All RCC works shall be adequately vibrated to ensure proper compaction.
9. Figured dimensions only shall be followed.
10. The following assumptions have been assumed:
    a) Unit weight of soil - 18KN/Cum
    b) Angle of repose - 30deg
    c) Slope of back fill - Level
    d) Coefficient of friction - 0.5
11. Suitable admixture for quick setting of cement as per manufacture specification shall be used.

SL NO.	DATE	DESCRIPTION
		REVISION

DRAWING NO. - GL/20-21/52-1	SHEET NO. 1/3
REVISION NO. 0	
ISSUE DATE - NOV'2020	SCALE - 1:50.

CLIENT:

SURENDRA INFRASTRUCTURE PVT. LTD.
(FOR PBMC, PORT BLAIR)

PROJECT:

PROPOSED SEA WALL IN FRONT OF GIRLS SCHOOL AT MARINA PARK AREA.

SW: STRUCTURAL DESIGN AND DETAILS OF COUNTER FORT SEA WALL.

DRAWING TITLE:

Structural Details - Schematic top plan, Schematic Cross section at 1-1 & 2-2, Schematic View at C-C & View at D-D.

DEALT BY:

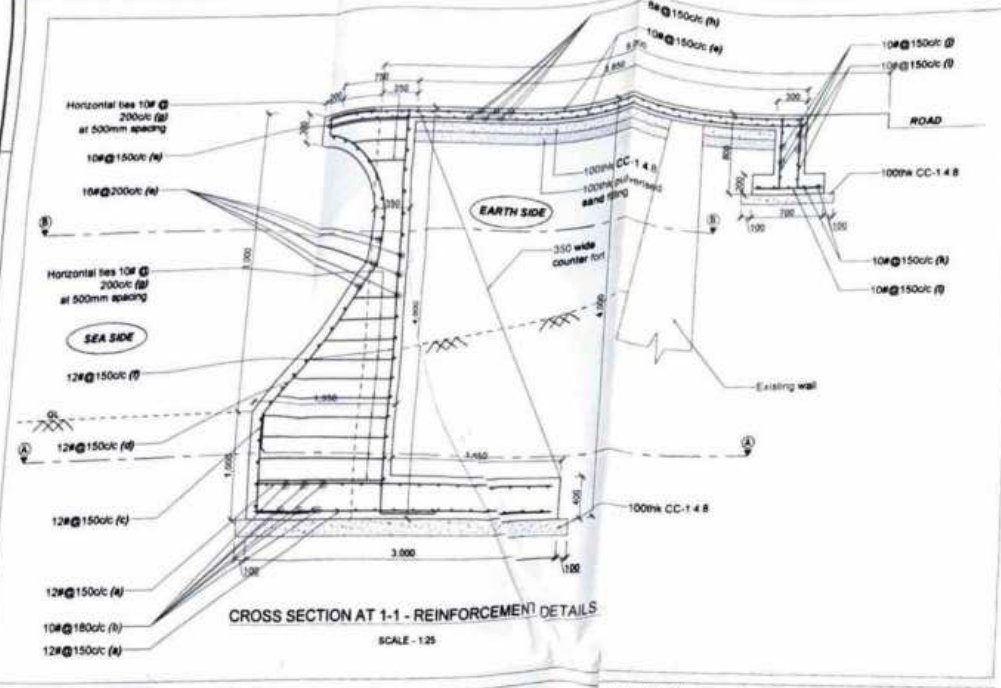
GLOBE CONSULTANCIES
Chief Engineering Consultants
2nd Floor, Common Service Centre Building
ATR Main Road, Sathankulam,
Ganeshamma, Port Blair
Tele/Fax: 03192 - 251070, Mobile:9434380874.
Email:globeteam@gmail.com

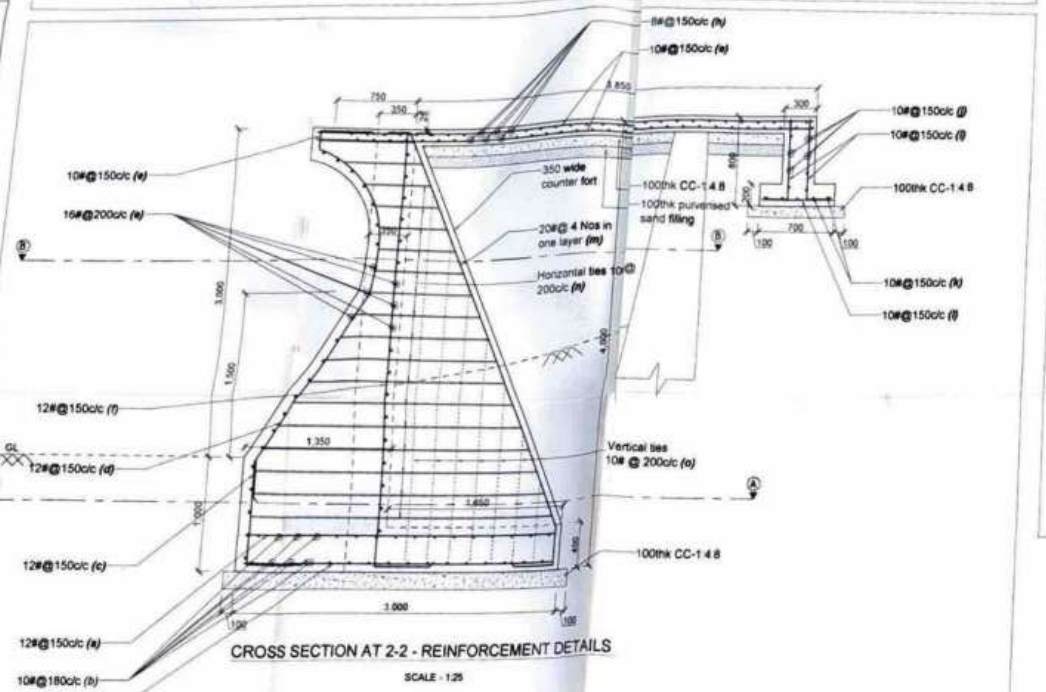
VIJAYAKRISHNAN.T.V. B.E. (Civil)
Consulting Civil Engineer
Chartered Engineer
Approved Valuer, F.-17919
Registered Engineer (PBMC)-114

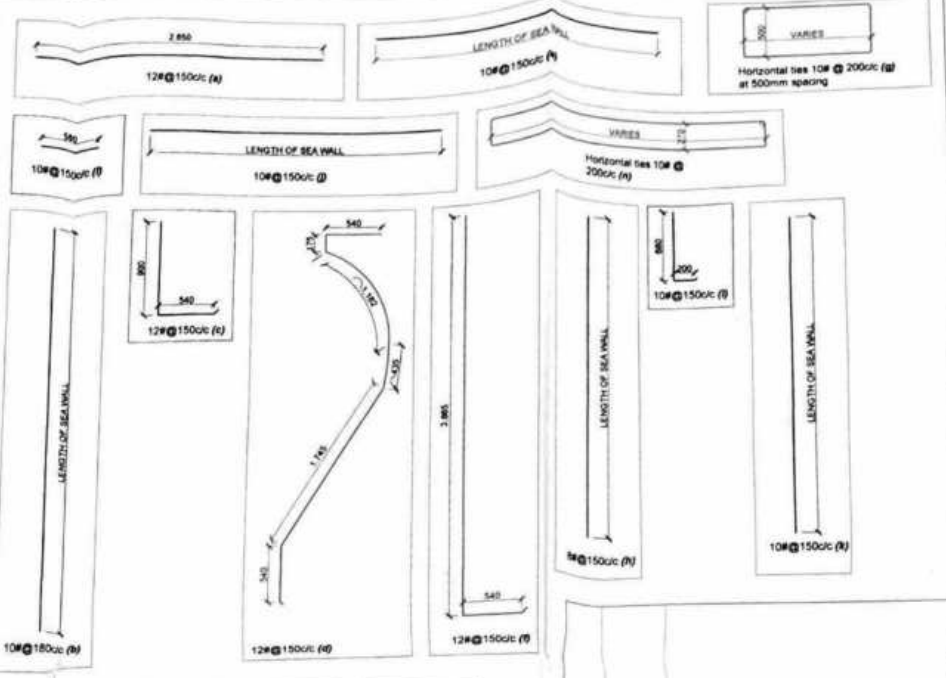
CONSULTANT

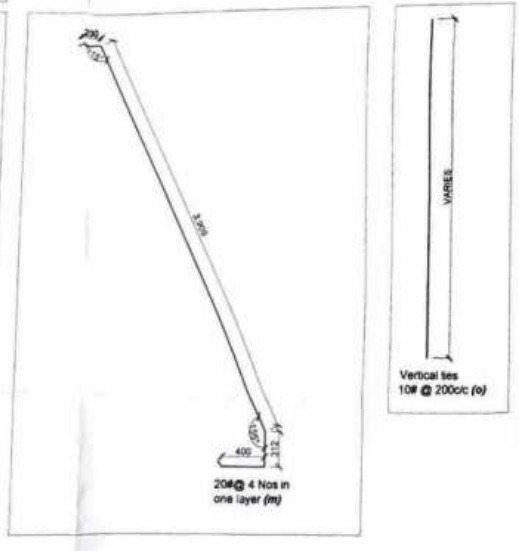
O/C 27/10/20

Received by 27/10/20









SL NO.	DATE	DESCRIPTION
		REVISION

DRAWING NO. - GL/20-21/52-2 | SHEET NO. 2/3

REVISION NO. 0

ISSUE DATE - NOV'2020 | SCALE - 1:25.

CLIENT:

SURENDRA INFRASTRUCTURE PVT. LTD.
(FOR PBMC, PORT BLAIR)

PROJECT:

PROPOSED SEA WALL IN FRONT OF GIRLS SCHOOL AT MARINA PARK AREA.

SW: STRUCTURAL DESIGN AND DETAILS OF COUNTER FORT SEA WALL.

DRAWING TITLE:

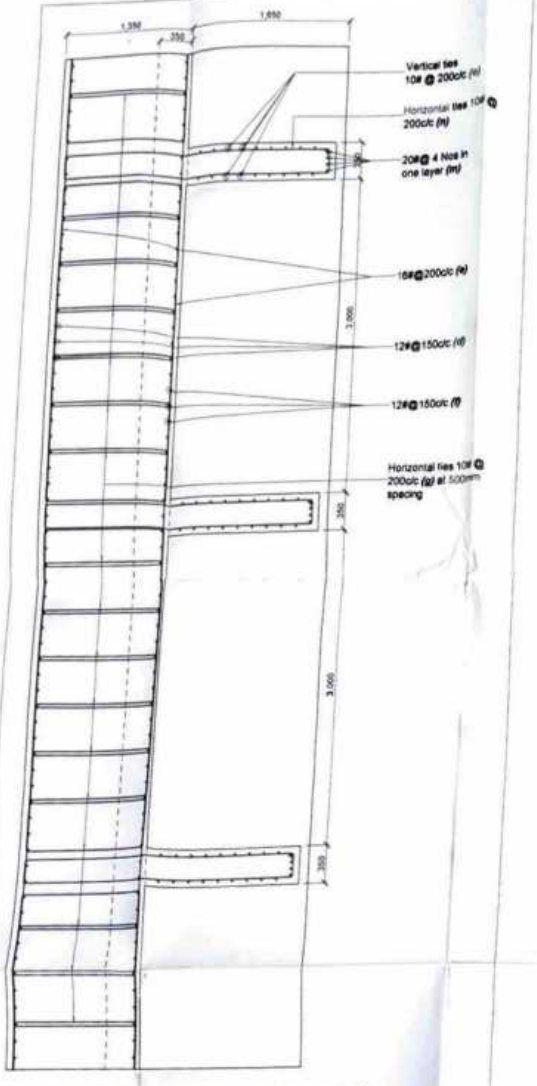
Structural Details - Cross section at 1-1 & 2-2 (Reinforcement details) and bar bending schedule.

DEALT BY:

GLOBE CONSULTANCIES
Chief Engineering Consultants
2nd Floor Common Service Centre Building
ATR Main Road, Bathubasthi,
Garacharma,Port Blair.
Tele/Fax: 03192 - 281010, Mobile:9434280874.
Email:globalharm@gmail.com

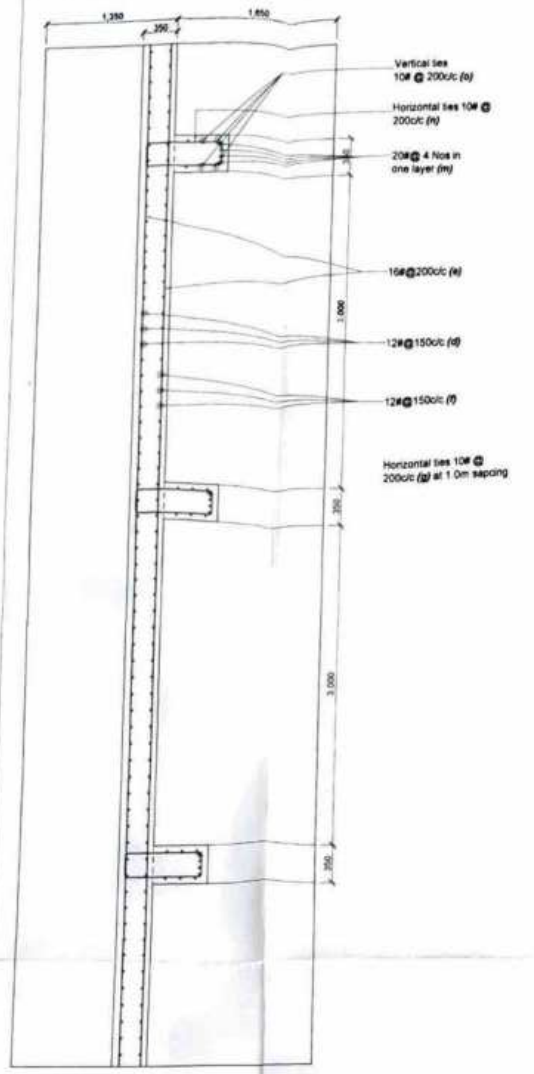
Consulting Civil Engineer
Chartered Engineer
Approved Valuer
Registered Engineer (PWD)-III/E
CONSULTANT

Received by



SECTIONAL VIEW AT A-A (REINFORCEMENT DETAILS)

SCALE - 1:25



SECTIONAL VIEW AT B-B (REINFORCEMENT DETAILS)

SCALE - 1:25

SL NO.	DATE	DESCRIPTION
		REVISION

DRAWING NO. - GL/20-21/52-3 | SHEET NO. 3/3

REVISION NO. 0

ISSUE DATE - NOV'2020 | SCALE - 1:25.

CLIENT:

SURENDRA INFRASTRUCTURE PVT. LTD.
(FOR PBMC, PORT BLAIR)

PROJECT:

PROPOSED SEA WALL IN FRONT OF GIRLS SCHOOL AT MARINA PARK AREA.

SW: STRUCTURAL DESIGN AND DETAILS OF COUNTER FORT SEA WALL.

DRAWING TITLE:

Structural Details - Section at A-A and B-B (Reinforcement details)

DEALT BY:

GLOBE CONSULTANCIES
Civil Engineering Consultants
2nd Floor, Common Service Centre Building
ATR Main Road, Sathidweep,
Garacharma,Port Blair.
Tele/Fax: 03192 - 251070, Mobile:9434380674.
Email:plmithoone@gmail.com

VIJAYKRISHNAN, B.E. M.E. F.I.V. (India)
Consulting Civil Engineer
Chartered Engineer
Approved Valuer, F - 17918
Registered Engineer (Fundamental)

CONSULTANT

Division:- Executive Engineer-III (SWM/MC), Port Blair Municipal Council, Port Blair

(2nd R.A BILL)

COMPUTERIZED MEASUREMENT BOOK

(ABSTRACT)

CMB No:- 183/EE-III/SWM/MC/2020-21

Name of Work: - Marine esplanade: Marina road restructuring with uniform carriage way, walking track, street lighting, street furniture, service core trenching and land scaping.

Name of Contractor: - M/s. Surendra Infrastructure (P) Ltd.

Agreement No.: - 01 (PBSPL) of 2020-2021

Certified that this Computerized measurement book bearing no.183/EE-III/SWM/MC/2020-21 contains **05** leaves serially numbered from pages 01 to 05 and two blank pages without any damage.

Signature of
Contractor

Signature of
Assistant Engineer

Signature of
Executive Engineer

ABSTRACT OF COST

(2nd R.A Bill)

Name of Work:- Marine esplanade: Marina road restructuring with uniform carriage way, walking track, street lighting, street furniture, service core trenching and land scaping.

Agreement No. :- 01 (PBSPL) of 2020-2021

Name of Agency :- M/s. Surendra Infrastructure (P) Ltd.

Date of Commencement:- 07.12.2020

Date of Completion:- In Progress

Reference to previous measurement, if any :- NIL

Serial no of this bill :- 2nd R.A Bill

Date of Abstract:-

Item No.	Particulars	Quantity	unit	Rate	Amount
I	CIVIL WORKS				
1.01	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m. a) All kinds of soil.				
	Qty b/f CMB No.182/EE-III/SWM/MC/2020-21 vide page no.02 (3rd R.A Bill Qty)	17.617			
	Total	17.617	Cum	Rs. 225.00	Rs. 3,963.83
1.04	Proving and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:4:8 (1 Cement : 4 coarse sand (Zone III) : 8 graded stone aggregate 40 mm nominal size)				
	Qty b/f CMB No.182/EE-III/SWM/MC/2020-21 vide page no.03 (3rd R.A Bill Qty)	9.002			
	Qty b/f CMB No.182/EE-III/SWM/MC/2020-21 vide page no.08 (3rd R.A Bill Qty)	2.240			
	Total	11.242	Cum	Rs. 9,250.00	Rs. 103,988.50
1.05	Providing and laying in position machine batched and machine mixed design mix M-25 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying but excluding the cost of centering, shuttering, finishing and reinforcement, including admixtures in recommended proportions as per IS: 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer-in-charge."(Note :- Cement content considered in this item is @ 330 kg/cum."Excess/ less cement used as per design mix is payable/recoverable separately). All works upto plinth level				
	Qty b/f CMB No.182/EE-III/SWM/MC/2020-21 vide page no.05 (3rd R.A Bill Qty)	10.528			
	Total	10.528	Cum	Rs. 11,000.00	Rs. 115,808.00

1.07	Providing and laying in position machine batched and machine mixed design mix M-25 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying but excluding the cost of centering, shuttering, finishing and reinforcement, including admixtures in recommended proportions as per IS: 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer-in-charge."(Note :- Cement contentconsidered in this item is @ 330 kg/cum."Excess/ less cement used as per design mix is payable/recoverable separately). All works above plinth level upto floor V level				
	Qty b/f CMB No.182/EE-III/SWM/MC/2020-21 vide page no.07 (3rd R.A Bill Qty)	9.632			
	Qty b/f CMB No.182/EE-III/SWM/MC/2020-21 vide page no.10 (3rd R.A Bill Qty)	5.180			
	Total	**14.812**	**Cum**	**Rs. 11,400.00**	**Rs. 168,856.80**
1.09	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level. A) Thermo-Mechanically Treated bars of grade Fe-500D or more.				
	Qty b/f CMB No.182/EE-III/SWM/MC/2020-21 vide page no.04 (3rd R.A Bill Qty)	388.710			
	Qty b/f CMB No.182/EE-III/SWM/MC/2020-21 vide page no.06 (3rd R.A Bill Qty)	472.069			
	Qty b/f CMB No.182/EE-III/SWM/MC/2020-21 vide page no.09 (3rd R.A Bill Qty)	191.034			
	Total	**1051.813**	**Kgs**	**Rs. 91.00**	**Rs. 95,714.98**
1.11	Centering and shuttering including strutting, propping etc. and removal of form work for : Foundations, footings, bases for columns				
	Qty b/f CMB No.182/EE-III/SWM/MC/2020-21 vide page no.04 (3rd R.A Bill Qty)	50.400			
	Total	**50.400**	**Sqm**	**Rs. 340.00**	**Rs. 17,136.00**
1.12	Centering and shuttering including strutting, propping etc. and removal of form work for : Retaining walls, return walls, walls (any thickness) including attached pilasters, butteresses, plinth and string courses fillets, kerbs and steps etc.				
	Qty b/f CMB No.182/EE-III/SWM/MC/2020-21 vide page no.06 (3rd R.A Bill Qty)	105.840			
	Qty b/f CMB No.182/EE-III/SWM/MC/2020-21 vide page no.09 (3rd R.A Bill Qty)	36.638			
	Total	**142.478**	**Sqm**	**Rs. 570.00**	**Rs. 81,212.46**

1.2	Demolishing cement concrete manually/ by mechanical means and disposal of material within 50 metres lead as per direction of Engineerin-charge. cum Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix)				
	Qty b/f CMB No.182/EE-III/SWM/MC/2020-21 vide page no.01 (3rd R.A Bill Qty)	2.963			
	Total	**2.963**	**Cum**	**Rs. 1,100.00**	**Rs. 3,259.30**
2	**ELECTRICAL WORKS**				
2.01	Supply of 8 Mtr. height decorative Chatsworth pole having cast iron decorative base and pipe dia of 165mm dia & 1 mtr long with cast iron reducer joining with 101mm OD straight pipe. Pole shall be mounted on square base plate. Decorative Cascade bracket with 940mm height mounted on pole. Pole and two brackets at differential height shall be galvanized and painted with PU paint in closed paint chamber with heating treatment in chamber, Make: Surya				
	Qty b/f CMB No.182/EE-III/SWM/MC/2020-21 vide page no.11 (3rd R.A Bill Qty)	50.000			
	Total	**50.000**	**Nos**	**Rs. 64,000.00**	**Rs. 3,200,000.00**
2.02	Supply of Decorative Luminaires for Urban lighting, body made of painted spun aluminum. The protector is made of polycarbonate grade UVresistant (IK 08). Permanently sealed optical compartment with IP66 protection. Luminaire offers tool free access to gear compartment with IP44 protection. Luminaire can be installed as a suspended luminaire. The luminaire is equipped with the Lensoflex2® technology photometric system. PMMA lenses with wide photometry for increased pole spacing. Fixture is having a surge protection of 10KA. Electronic driver is having power factor>0.90*. THD<20*% and input voltage range from 120-227V AC at 50Hz. Luminaire efficacy is 100 im/ watt system lumen greater than 7500 lumens in CCT range of 4000 as per ANSI. System life of 50000 burning hours with 70% of initial lumens maintained. Luminaire is suitable for operating temperature (Ta) from -20 to 50c. Driver can withstand 320V AC for 48 hours and 360V AC for 2 hours. Make: Surya SLE PT 75W VEGA				
	Qty b/f CMB No.182/EE-III/SWM/MC/2020-21 vide page no.12 (3rd R.A Bill Qty)	50.000			
	Total	**50.000**	**Nos**	**Rs. 40,000.00**	**Rs. 2,000,000.00**

2.03	Supply of Decorative Luminaires for Urban lighting. body made of painted spun aluminum. The protector is made of polycarbonate grade UVresistant (IK 08). Permanently sealed optical compartment with IP66 protection. Luminaire offers tool free access to gear compartment with IP44 protection. Luminaire can be installed as a suspended luminaire. The luminaire is equipped with the LensoFlex2® technology photometric system. PMMA lenses with wide photometry for increased pole spacing. Fixture is having a surge protection of 10KA. Electronic driver is having power factor>0.90*. THD<20*% and input voltage range from 120-227V AC at 50Hz. Luminaire efficacy is 100 lm/ watt system lumen greater than 7500 lumens in CCT range of 4000 as per ANSI. System life of 50000 burning hours with 70% of initial lumens maintained. Luminaire is suitable for operating temperature (Ta) from -20 to 50c. Driver can withstand 320V AC for 48 hours and 360V AC for 2 hours. Make: Surya SLE PT 40W VEGA				
	Qty b/f CMB No.182/EE-III/SWM/MC/2020-21 vide page no.13 (3rd R.A Bill Qty)	50.000			
	Total	**50.000**	**Nos**	**Rs. 33,500.00**	**Rs. 1,675,000.00**
2.04	Providing of XLPE (IS:7098) (I)-88 ISI armoured cable multistrand Aluminium conductor for 1.1 KV. to be laid on wall with necessary clamps or in existing trench/ pipe of 4 core 16 Sq.mm cable.				
	Qty b/f CMB No.182/EE-III/SWM/MC/2020-21 vide page no.14 (3rd R.A Bill Qty)	1500.000			
	Total	**1500.000**	**Mtr**	**Rs. 275.00**	**Rs. 412,500.00**
2.05	Supply of 50mm DWC pipes of approved make for covering of cable.				
	Qty b/f CMB No.182/EE-III/SWM/MC/2020-21 vide page no.14 (3rd R.A Bill Qty)	1200.000			
	Total	**1200.000**	**Mtr**	**Rs. 230.00**	**Rs. 276,000.00**
2.06	Supply of Flexible PVC insulated multistrand multicore 1.1 kv grade ISI marked copper wires of following size to be erected as directed 1.50 Sq.mm 3 core round PVC sheathed.				
	Qty b/f CMB No.182/EE-III/SWM/MC/2020-21 vide page no.14 (3rd R.A Bill Qty)	700.000			
	Total	**700.000**	**Mtr**	**Rs. 255.00**	**Rs. 178,500.00**
	Secured Advance against the materials brought at site				
1.09	**Material Laying at site - Steel** TMT bars of size 8mm. 10mm. 12mm. 16mm and 20mm restricted to 90% of element cost	**216020.00**	**Kg**	**Rs. 49.50**	**Rs. 10,692,990.00**
				TOTAL AMOUNT	**Rs. 19,024,929.87**
				SAY	**Rs. 19,024,930.00**

RECOVERY DETAILS

A.	Mobilization Advance reduction for 1) BG No. 82/2020 amounting to Rs.10,97,000/- for advance of Rs.9,97,512/- 2) BG No. 84/2020 amounting to Rs.10,97,000/- for advance of Rs.9,97,512/-	**Total Value**	**Rs. 19,024,930.00**
B.	Security deposit @ 2.5% on Total Value		Rs. 1,995,024.00
C.	IT @ 1.5% on Total Value 2%		Rs. 475,623.00
D.	Labour Welfare Cess @ 1% on Total Value	380499/-	Rs. ~~285,374.00~~
E.	~~Education Cess @ 3% on IT~~		Rs. 190,249.00
F.	GST @ 2% on Total Value		Rs. ~~8,561.00~~
G.		3421894	Rs. 380,499.00
H.		**Total Recovery (H=B+C+D+E+F+G)**	**Rs. ~~3,335,330.00~~**
		Net Amount Payable in this Bill (A-G)	**Rs ~~15,689,600.00~~**
		Says	**Rs. ~~15,689,600.00~~ 15603036/-**

Net Amount in words:- (Rupees One crore fifty six lakhs eighty nine thousand six hundred only)

Certified that:-

1. The work has been executed as per terms and conditions of the agreement.
2. No material and T & P has been issued from the Department.
3. Own arrangements for water has been made.
4. No Labour Complaints has been received.
5. Requisite technical staff has been employed as per agreement.

7. All Mandatory Test have been conducted.

Signature of the Contractor

Signature of the AE

Signature of the EE (Works)

Ref. Page NO: 1 to 5 of TCMB

Authority: Agr. NO: 01 (PBSPL) of 2020-21

NOTO: Marine Esplanade: Marina road Restructuring with uniform carriage walkway, walking track, street lighting, street furniture service core trenching and landscaping.

Agency: M/s. Surendra infrastructure (P) Ltd.

Gross value of work done → 19024930/-

Ded:

(I) S/D @ 2.5% on G/V → 475623/-

(II) IT @ 2% on G/V → 380499/-

(III) Labor cess @ 1% G/V → 190249/-

(IV) TDS on GST @ 2% G/V → 380499/-

(V) mobilization advance reduction for CBG NO. 82/2020 amounting to Rs. 1097000/- for advance of Rs. 997512/- BG NO. 84/2020 amounting to Rs. 1097000/- for advance of Rs. 997512/-) → 1995024/-

Total Deductions → 3421894/-

Net Payable → 15603036/-

1st RA Bill in respect of M/s. Surendra infrastructure (P) Ltd. vide Agr No: 01 (PBSPL) of 2020-2021 is passed for Rs. 19024930/- (Rupees one crore ninety lakhs twenty four thousand nine hundred thirty only)

Executive Engineer
Municipal Council
Port Blair

Payment refuse for Rs. 15603036/-

Accounts Officer
Municipal Council
Port Blair

Division:- Executive Engineer-III (SWM/MC), Port Blair Municipal Council, Port Blair

(3rd R.A BILL)

COMPUTERIZED MEASUREMENT BOOK

(ABSTRACT)

CMB No:- ~~183~~ 185/EE-III/SWM/MC/2020-21

Name of Work: - Marine esplanade: Marina road restructuring with uniform carriage way, walking track, street lighting, street furniture, service core trenching and land scaping.

Name of Contractor: - M/s. Surendra Infrastructure (P) Ltd.

Agreement No.: - 01 (PBSPL) of 2020-2021

Certified that this Computerized measurement book bearing no.183/EE-III/SWM/MC/2020-21 contains **12** leaves serially numbered from pages 01 to 12 and two blank pages without any damage.

Signature of Contractor

Signature of Assistant Engineer

Signature of Executive Engineer

ABSTRACT OF COST

(3rd R.A Bill)

Name of Work:- Marine esplanade: Marina road restructuring with uniform carriage way, walking track, street lighting, street furniture, service core trenching and land scaping.

Agreement No. :- 01 (PBSPL) of 2020-2021

Name of Agency :- M/s. Surendra Infrastructure (P) Ltd.

Date of Commencement:- 07.12.2020

Date of Completion:- In Progress

Reference to previous measurement, if any :- NIL.

Serial no of this bill :- 3rd R.A Bill

Date of Abstract:-

Item No.	Particulars	Quantity	unit	Rate	Amount
1	**CIVIL WORKS**				
1.01	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m. a) All kinds of soil.				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.01 (2nd R.A Bill Qty)	17.617			
	Qty b/f CMB No.184/EE-III/SWM/MC/2020-21 vide page no.03 (3rd R.A Bill Qty)	35.288			
	Qty b/f CMB No.184/EE-III/SWM/MC/2020-21 vide page no.12 (3rd R.A Bill Qty)	28.206			
	Qty b/f CMB No.184/EE-III/SWM/MC/2020-21 vide page no.18 (3rd R.A Bill Qty)	5.087			
	Qty b/f CMB No.184/EE-III/SWM/MC/2020-21 vide page no.21 (3rd R.A Bill Qty)	10.554			
	Qty b/f CMB No.184/EE-III/SWM/MC/2020-21 vide page no.24 (3rd R.A Bill Qty)	15.293			
	Qty b/f CMB No.184/EE-III/SWM/MC/2020-21 vide page no.27 (3rd R.A Bill Qty)	19.464			
	Qty b/f CMB No.184/EE-III/SWM/MC/2020-21 vide page no.30 (3rd R.A Bill Qty)	25.470			
	Total	**156.979**	**Cum**	**Rs. 225.00**	**Rs. 35,320.28**
1.04	Proving and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:4:8 (1 Cement : 4 coarse sand (Zone III) : 8 graded stone aggregate 40 mm nominal size)				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.01 (2nd R.A Bill Qty)	11.242			
	Qty b/f CMB No.184/EE-III/SWM/MC/2020-21 vide page no.03 (3rd R.A Bill Qty)	11.574			
	Qty b/f CMB No.184/EE-III/SWM/MC/2020-21 vide page no.09 (3rd R.A Bill Qty)	2.880			

	Qty b/f CMB No.184/EE-III/SWM/MC/2020-21 vide page no.26 (3rd R.A Bill Qty)	3.450			
	Qty b/f CMB No.184/EE-III/SWM/MC/2020-21 vide page no.26 (3rd R.A Bill Qty)	8.595			
	Qty b/f CMB No.184/EE-III/SWM/MC/2020-21 vide page no.29 (3rd R.A Bill Qty)	3.450			
	Qty b/f CMB No.184/EE-III/SWM/MC/2020-21 vide page no.29 (3rd R.A Bill Qty)	9.942			
	Qty b/f CMB No.184/EE-III/SWM/MC/2020-21 vide page no.32 (3rd R.A Bill Qty)	3.565			
	Qty b/f CMB No.184/EE-III/SWM/MC/2020-21 vide page no.33 (3rd R.A Bill Qty)	12.034			
	Qty b/f CMB No.184/EE-III/SWM/MC/2020-21 vide page no.37 (3rd R.A Bill Qty)	16.500			
	Qty b/f CMB No.184/EE-III/SWM/MC/2020-21 vide page no.38 (3rd R.A Bill Qty)	12.727			
	Qty b/f CMB No.184/EE-III/SWM/MC/2020-21 vide page no.44 (3rd R.A Bill Qty)	16.500			
	Qty b/f CMB No.184/EE-III/SWM/MC/2020-21 vide page no.45 (3rd R.A Bill Qty)	12.727			
	Qty b/f CMB No.184/EE-III/SWM/MC/2020-21 vide page no.51 (3rd R.A Bill Qty)	16.500			
	Qty b/f CMB No.184/EE-III/SWM/MC/2020-21 vide page no.52 (3rd R.A Bill Qty)	12.727			
	Qty b/f CMB No.184/EE-III/SWM/MC/2020-21 vide page no.58 (3rd R.A Bill Qty)	16.500			
	Qty b/f CMB No.184/EE-III/SWM/MC/2020-21 vide page no.59 (3rd R.A Bill Qty)	12.727			
	Qty b/f CMB No.184/EE-III/SWM/MC/2020-21 vide page no.65 (3rd R.A Bill Qty)	16.500			
	Qty b/f CMB No.184/EE-III/SWM/MC/2020-21 vide page no.66 (3rd R.A Bill Qty)	12.727			
	Qty b/f CMB No.184/EE-III/SWM/MC/2020-21 vide page no.72 (3rd R.A Bill Qty)	16.500			
	Qty b/f CMB No.184/EE-III/SWM/MC/2020-21 vide page no.73 (3rd R.A Bill Qty)	12.727			
	Qty b/f CMB No.184/EE-III/SWM/MC/2020-21 vide page no.79 (3rd R.A Bill Qty)	16.500			
	Qty b/f CMB No.184/EE-III/SWM/MC/2020-21 vide page no.80 (3rd R.A Bill Qty)	12.727			
	Qty b/f CMB No.184/EE-III/SWM/MC/2020-21 vide page no.86 (3rd R.A Bill Qty)	16.500			
	Qty b/f CMB No.184/EE-III/SWM/MC/2020-21 vide page no.87 (3rd R.A Bill Qty)	12.727			
	Total	**331.480**	**Cum**	**Rs. 11,000.00**	**Rs. 36,46,280.00**
1.06	Extra for laying RCC in or under water and/or liquid mud, including cost of pumping or bailing out water and removing slush etc., complete.			202.80 × 650 =	131820.00
	Qty b/f CMB No.184/EE-III/SWM/MC/2020-21 vide page no.90 (3rd R.A Bill Qty)	320.702		117.902 × 487.50 =	57477.23
	Total	**320.702**	**Cum**	**Rs. 650.00**	**Rs. 2,08,456.30**

189297.23

1.07	Providing and laying in position machine batched and machine mixed design mix M-25 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying but excluding the cost of centering, shuttering, finishing and reinforcement, including admixtures in recommended proportions as per IS: 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer-in-charge."(Note :- Cement contentconsidered in this item is @ 330 kg/cum."Excess/ less cement used as per design mix is payable/recoverable separately). All works above plinth level upto floor V level				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.02 (2nd R.A Bill Qty)	14.812			
	Qty b/f CMB No.184/EE-III/SWM/MC/2020-21 vide page no.08 (3rd R.A Bill Qty)	15.961			
	Qty b/f CMB No.184/EE-III/SWM/MC/2020-21 vide page no.10 (3rd R.A Bill Qty)	6.660			
	Qty b/f CMB No.184/EE-III/SWM/MC/2020-21 vide page no.16 (3rd R.A Bill Qty)	12.384			
	Qty b/f CMB No.184/EE-III/SWM/MC/2020-21 vide page no.18 (3rd R.A Bill Qty)	6.660			
	Qty b/f CMB No.184/EE-III/SWM/MC/2020-21 vide page no.39 (3rd R.A Bill Qty)	10.862			
	Qty b/f CMB No.184/EE-III/SWM/MC/2020-21 vide page no.40 (3rd R.A Bill Qty)	11.703			
	Qty b/f CMB No.184/EE-III/SWM/MC/2020-21 vide page no.46 (3rd R.A Bill Qty)	10.862			
	Qty b/f CMB No.184/EE-III/SWM/MC/2020-21 vide page no.47 (3rd R.A Bill Qty)	11.703			
	Qty b/f CMB No.184/EE-III/SWM/MC/2020-21 vide page no.53 (3rd R.A Bill Qty)	10.862			
	Qty b/f CMB No.184/EE-III/SWM/MC/2020-21 vide page no.54 (3rd R.A Bill Qty)	11.703			
	Qty b/f CMB No.184/EE-III/SWM/MC/2020-21 vide page no.60 (3rd R.A Bill Qty)	10.862			
	Qty b/f CMB No184/EE-III/SWM/MC/2020-21 vide page no.61 (3rd R.A Bill Qty)	11.703			
	Q. b/f CMB No.184/EE-III/SWM/MC/2020-21 vide page no.67 (3rd R.A Bill Qty)	10.862			
	Qty b/f CMB No.184/EE-III/SWM/MC/2020-21 vide page no.68 (3rd R.A Bill Qty)	11.703			
	Qty b/f CMB No.184/EE-III/SWM/MC/2020-21 vide page no.74 (3rd R.A Bill Qty)	10.862			
	Qty b/f CMB No.184/EE-III/SWM/MC/2020-21 vide page no.75 (3rd R.A Bill Qty)	11.703			
	(b/f CMB No.184/EE-III/SWM/MC/2020-21 vide e no.81 (3rd R.A Bill Qty)	10.862			
	ty b/f CMB No.184/EE-III/SWM/MC/2020-21 vide page no.82 (3rd R.A Bill Qty)	11.703			
	Qty b/f CMB No.184/EE-III/SWM/MC/2020-21 vide page no.88 (3rd R.A Bill Qty)	10.862			
	Qty b/f CMB No.184/EE-III/SWM/MC/2020-21 vide page no.89 (3rd R.A Bill Qty)	11.703			
	Total	**236.997**	**Cum**	**Rs. 11,400.00**	**Rs. 2,701,765.80**

	Providing M-25 grade concrete.(Note: Cement content considered as per Design Mix M25 - 343 kg/cbm aprroved. Below plinth & above Plinth qty: 331.467+236.994 = 154.125 Cum Cement Qty = 154.125 x 330 = 50861.25 Kg = 154.125 X 343 = 52864.875 Kg Difference Qty = 2003.625 Kg				
	Total	**2003.625**	**Kg**	**Rs. 10.00**	**Rs. 20,036.25**
1.08	Extra for providing richer mixes at all floor levels. Note:- Excess/less cement over the specified cement content used is payable / recoverable separately. Providing M-40 grade concrete instead of M-25 grade BMC/RMC. (Note : Cement content considered in M-40 is @ 360 kg/cum)				
	Qty b/f CMB No.184/EE-III/SWM/MC/2020-21 vide page no.90 (3rd R.A Bill Qty)	414.336			
	Total	**414.336**	**Cum**	**Rs. 320.00**	**Rs. 132,587.52**
	Extra for providing richer mixes M-40 grade concrete. (Note: Cement content considered as per Design Mix M40 - 442 kg/cbm aprroved. Cement Qty = 442 x 414.336 = 183136.512 Kg = 360 x 414.336 = 149160.96 Kg Difference Qty = 33975.552 Kg				
	Total	**33975.552**	**Kg**	**Rs. 10.00**	**Rs. 339,755.52**
1.09	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level. A) Thermo-Mechanically Treated bars of grade Fe-500D or more.				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.02 (2nd R.A Bill Qty)	1051.813			
	Qty b/f CMB No.184/EE-III/SWM/MC/2020-21 vide page no.04 (3rd R.A Bill Qty)	499.769			
	Qty b/f CMB No.184/EE-III/SWM/MC/2020-21 vide page no.06 (3rd R.A Bill Qty)	647.367			
	Qty b/f CMB No.184/EE-III/SWM/MC/2020-21 vide page no.09 (3rd R.A Bill Qty)	245.615			
	Qty b/f CMB No.184/EE-III/SWM/MC/2020-21 vide page no.13 (3rd R.A Bill Qty)	499.769			
	Qty b/f CMB No.184/EE-III/SWM/MC/2020-21 vide page no.15 (3rd R.A Bill Qty)	606.945			
	Qty b/f CMB No.184/EE-III/SWM/MC/2020-21 vide page no.17 (3rd R.A Bill Qty)	245.615			
	Qty b/f CMB No.184/EE-III/SWM/MC/2020-21 vide page no.19 (3rd R.A Bill Qty)	233.567			
	Qty b/f CMB No.184/EE-III/SWM/MC/2020-21 vide page no.22 (3rd R.A Bill Qty)	273.779			
	Qty b/f CMB No.184/EE-III/SWM/MC/2020-21 vide page no.25 (3rd R.A Bill Qty)	300.079			
	Qty b/f CMB No.184/EE-III/SWM/MC/2020-21 vide page no.28 (3rd R.A Bill Qty)	335.827			
	Qty b/f CMB No.184/EE-III/SWM/MC/2020-21 vide page no.31 (3rd R.A Bill Qty)	388.934			
	Qty b/f CMB No.184/EE-III/SWM/MC/2020-21 vide page no.34 (3rd R.A Bill Qty)	1324.998			
	Qty b/f CMB No.184/EE-III/SWM/MC/2020-21 vide page no.35 (3rd R.A Bill Qty)	1541.475			
	Qty b/f CMB No.184/EE-III/SWM/MC/2020-21 vide page no.36 (3rd R.A Bill Qty)	512.653			
	Qty b/f CMB No.184/EE-III/SWM/MC/2020-21 vide page no.41 (3rd R.A Bill Qty)	1324.999			
	Qty b/f CMB No.184/EE-III/SWM/MC/2020-21 vide page no.42 (3rd R.A Bill Qty)	1541.475			
	Qty b/f CMB No.184/EE-III/SWM/MC/2020-21 vide page no.43 (3rd R.A Bill Qty)	512.653			

	Qty b/f CMB No.184/EE-III/SWM/MC/2020-21 vide page no.48 (3rd R.A Bill Qty)	1324.999			
	Qty b/f CMB No.184/EE-III/SWM/MC/2020-21 vide page no.49 (3rd R.A Bill Qty)	1541.475			
	Qty b/f CMB No.184/EE-III/SWM/MC/2020-21 vide page no.50 (3rd R.A Bill Qty)	512.653			
	Qty b/f CMB No.184/EE-III/SWM/MC/2020-21 vide page no.55 (3rd R.A Bill Qty)	1324.999			
	Qty b/f CMB No.184/EE-III/SWM/MC/2020-21 vide page no.56 (3rd R.A Bill Qty)	1541.475			
	Qty b/f CMB No.184/EE-III/SWM/MC/2020-21 vide page no.57 (3rd R.A Bill Qty)	512.653			
	Qty b/f CMB No.184/EE-III/SWM/MC/2020-21 vide page no.62 (3rd R.A Bill Qty)	1324.999			
	Qty b/f CMB No.184/EE-III/SWM/MC/2020-21 vide page no.63 (3rd R.A Bill Qty)	1541.475			
	Qty b/f CMB No.184/EE-III/SWM/MC/2020-21 vide page no.64 (3rd R.A Bill Qty)	512.653			
	Qty b/f CMB No.184/EE-III/SWM/MC/2020-21 vide page no.69 (3rd R.A Bill Qty)	1324.999			
	Qty b/f CMB No.184/EE-III/SWM/MC/2020-21 vide page no.70 (3rd R.A Bill Qty)	1541.475			
	Qty b/f CMB No.184/EE-III/SWM/MC/2020-21 vide page no.71 (3rd R.A Bill Qty)	512.653			
	Qty b/f CMB No. 184/EE-III/SWM/MC/2020-21 vide page no.76 (3rd R.A Bill Qty)	1324.999			
	Qty b/f CMB No.184/EE-III/SWM/MC/2020-21 vide page no.77 (3rd R.A Bill Qty)	1541.475			
	Qty b/f CMB No.184/EE-III/SWM/MC/2020-21 vide page no.78 (3rd R.A Bill Qty)	512.653			
	Qty b/f CMB No.184/EE-III/SWM/MC/2020-21 vide page no.83 (3rd R.A Bill Qty)	1324.999			
	Qty b/f CMB No.184/EE-III/SWM/MC/2020-21 vide page no.84 (3rd R.A Bill Qty)	1541.475			
	Qty b/f CMB No.184/EE-III/SWM/MC/2020-21 vide page no.85 (3rd R.A Bill Qty)	512.653			
	Total	**32362.094**	**Kgs**	**Rs. 91.00**	**Rs. 2,944,950.56**
1.11	Centering and shuttering including strutting, propping etc. and removal of form work for : Foundations, footings, bases for columns				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.02 (2nd R.A Bill Qty)	50.400			
	Qty b/f CMB No.184/EE-III/SWM/MC/2020-21 vide page no.04 (3rd R.A Bill Qty)	64.800			
	Qty b/f CMB No.184/EE-III/SWM/MC/2020-21 vide page no.13 (3rd R.A Bill Qty)	64.800			
	Qty b/f CMB No.184/EE-III/SWM/MC/2020-21 vide page no.19 (3rd R.A Bill Qty)	6.000			
	Qty b/f CMB No.184/EE-III/SWM/MC/2020-21 vide page no.22 (3rd R.A Bill Qty)	6.000			
	Qty b/f CMB No.184/EE-III/SWM/MC/2020-21 vide page no.25 (3rd R.A Bill Qty)	6.000			
	Qty b/f CMB No.184/EE-III/SWM/MC/2020-21 vide page no.28 (3rd R.A Bill Qty)	6.000			
	Qty b/f CMB No.184/EE-III/SWM/MC/2020-21 vide page no.31 (3rd R.A Bill Qty)	6.200			
	Qty b/f CMB No.184/EE-III/SWM/MC/2020-21 vide page no.37 (3rd R.A Bill Qty)	13.400			
	Qty b/f CMB No.184/EE-III/SWM/MC/2020-21 vide page no.44 (3rd R.A Bill Qty)	13.400			
	Qty b/f CMB No.184/EE-III/SWM/MC/2020-21 vide page no.51 (3rd R.A Bill Qty)	13.400			

	Qty b/f CMB No.184/EE-III/SWM/MC/2020-21 vide page no.58 (3rd R.A Bill Qty)	13.400			
	Qty b/f CMB No.184/EE-III/SWM/MC/2020-21 vide page no.65 (3rd R.A Bill Qty)	13.400			
	Qty b/f CMB No.184/EE-III/SWM/MC/2020-21 vide page no.72 (3rd R.A Bill Qty)	13.400			
	Qty b/f CMB No.184/EE-III/SWM/MC/2020-21 vide page no.79 (3rd R.A Bill Qty)	13.400			
	Qty b/f CMB No.184/EE-III/SWM/MC/2020-21 vide page no.86 (3rd R.A Bill Qty)	13.400			
	Total	**317.400**	**Sqm**	**Rs. 340.00**	**Rs. 1,07,916.00**
1.12	Centering and shuttering including strutting, propping etc. and removal of form work for : Retaining walls, return walls, walls (any thickness) including attached pilasters, butteresses, plinth and string courses fillets, kerbs and steps etc.				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.02 (2nd R.A Bill Qty)	142.478			
	Qty b/f CMB No.184/EE-III/SWM/MC/2020-21 vide page no.07 (3rd R.A Bill Qty)	175.392			
	Qty b/f CMB No.184/EE-III/SWM/MC/2020-21 vide page no.09 (3rd R.A Bill Qty)	47.106			
	Qty b/f CMB No.184/EE-III/SWM/MC/2020-21 vide page no.15 (3rd R.A Bill Qty)	136.080			
	Qty b/f CMB No.184/EE-III/SWM/MC/2020-21 vide page no.17 (3rd R.A Bill Qty)	47.106			
	Qty b/f CMB No.184/EE-III/SWM/MC/2020-21 vide page no.20 (3rd R.A Bill Qty)	69.000			
	Qty b/f CMB No.184/EE-III/SWM/MC/2020-21 vide page no.23 (3rd R.A Bill Qty)	92.700			
	Qty b/f CMB No.184/EE-III/SWM/MC/2020-21 vide page no.26 (3rd R.A Bill Qty)	114.600			
	Qty b/f CMB No.184/EE-III/SWM/MC/2020-21 vide page no.29 (3rd R.A Bill Qty)	132.540			
	Qty b/f CMB No.184/EE-III/SWM/MC/2020-21 vide page no.33 (3rd R.A Bill Qty)	160.440			
	Qty b/f CMB No.184/EE-III/SWM/MC/2020-21 vide page no.38 (3rd R.A Bill Qty)	54.261			
	Qty b/f CMB No.184/EE-III/SWM/MC/2020-21 vide page no.40 (3rd R.A Bill Qty)	46.898			
	Qty b/f CMB No.184/EE-III/SWM/MC/2020-21 vide page no.45 (3rd R.A Bill Qty)	54.261			
	Qty b/f CMB No.184/EE-III/SWM/MC/2020-21 vide page no.47 (3rd R.A Bill Qty)	46.898			
	Qty b/f CMB No.184/EE-III/SWM/MC/2020-21 vide page no.52 (3rd R.A Bill Qty)	54.261			
	Qty b/f CMB No.184/EE-III/SWM/MC/2020-21 vide page no.54 (3rd R.A Bill Qty)	46.898			
	Qty b/f CMB No.184/EE-III/SWM/MC/2020-21 vide page no.59 (3rd R.A Bill Qty)	54.261			
	Qty b/f CMB No.184/EE-III/SWM/MC/2020-21 vide page no.61 (3rd R.A Bill Qty)	46.898			
	Qty b/f CMB No.184/EE-III/SWM/MC/2020-21 vide page no.66 (3rd R.A Bill Qty)	54.261			
	Qty b/f CMB No.184/EE-III/SWM/MC/2020-21 vide page no.68 (3rd R.A Bill Qty)	46.898			
	Qty b/f CMB No.184/EE-III/SWM/MC/2020-21 vide page no.73 (3rd R.A Bill Qty)	54.261			

	Qty b/f CMB No.184/EE-III/SWM/MC/2020-21 vide page no.75 (3rd R.A Bill Qty)	46.898			
	Qty b/f CMB No.184/EE-III/SWM/MC/2020-21 vide page no.80 (3rd R.A Bill Qty)	54.261			
	Qty b/f CMB No.184/EE-III/SWM/MC/2020-21 vide page no.82 (3rd R.A Bill Qty)	46.898			
	Qty b/f CMB No.184/EE-III/SWM/MC/2020-21 vide page no.87 (3rd R.A Bill Qty)	54.261			
	Qty b/f CMB No.184/EE-III/SWM/MC/2020-21 vide page no.89 (3rd R.A Bill Qty)	46.898			
	Total	1926.714	Sqm	Rs. 570.00	Rs. 10,98,226.98
2	Demolishing cement concrete manually/ by mechanical means and disposal of material within 50 metres lead as per direction of Engineerin-charge. cum Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix)				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.03 (2nd R.A Bill Qty)	2.963			
	Qty b/f CMB No.184/EE-III/SWM/MC/2020-21 vide page no.01 (3rd R.A Bill Qty)	9.300			
	Qty b/f CMB No.184/EE-III/SWM/MC/2020-21 vide page no.01 (3rd R.A Bill Qty)	9.300			
	Qty b/f CMB No.184/EE-III/SWM/MC/2020-21 vide page no.02 (3rd R.A Bill Qty)	9.300			
	Qty b/f CMB No.184/EE-III/SWM/MC/2020-21 vide page no.02 (3rd R.A Bill Qty)	5.317			
	Qty b/f CMB No.184/EE-III/SWM/MC/2020-21 vide page no.10 (3rd R.A Bill Qty)	9.300			
	Qty b/f CMB No.184/EE-III/SWM/MC/2020-21 vide page no.10 (3rd R.A Bill Qty)	9.300			
	Qty b/f CMB No.184/EE-III/SWM/MC/2020-21 vide page no.11 (3rd R.A Bill Qty)	9.300			
	Qty b/f CMB No.184/EE-III/SWM/MC/2020-21 vide page no.11 (3rd R.A Bill Qty)	4.340			
	Total	68.420	Cum	Rs. 1,100.00	Rs. 75,261.45
1	**ELECTRICAL WORKS**				
1.1	Supply of 8 Mtr. height decorative Chatsworth pole having cast iron decorative base and pipe dia of 165mm dia & 1 mtr long with cast iron reducer joining with 101mm OD straight pipe. Pole shall be mounted on square base plate. Decorative Cascade bracket with 940mm height mounted on pole. Pole and two brackets at differential height shall be galvanized and painted with PU paint in closed paint chamber with heating treatment in chamber, Make: Surya				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.03 (2nd R.A Bill Qty)	50.000			
	Qty b/f CMB No.184/EE-III/SWM/MC/2020-21 vide page no.91 (3rd R.A Bill Qty)	15.000			
	Total	65.000	Nos	Rs. 64,000.00	Rs. 41,60,000.00

2.02	Supply of Decorative Luminaires for Urban lighting, body made of painted spun aluminum, The protector is made of polycarbonate grade UVresistant (IK 08), Permanently sealed optical compartment with IP66 protection. Luminaire offers tool free access to gear compartment with IP44 protection. Luminaire can be installed as a suspended luminaire. The luminaire is equipped with the LensoFlex2® technology photometric system. PMMA lenses with wide photometry for increased pole spacing. Fixture is having a surge protection of 10KA. Electronic driver is having power factor>0.90*, THD<20*% and input voltage range from 120-227V AC at 50Hz. Luminaire efficacy is 100 im/watt system lumen greater than 7500 lumens in CCT range of 4000 as per ANSI. System life of 50000 burning hours with 70% of initial lumens maintained. Luminaire is suitable for operating temperature (Ta) from -20 to 50c. Driver can withstand 320V AC for 48 hours and 360V AC for 2 hours. Make: Surya SLE PT 75W VEGA				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.03 (2nd R.A Bill Qty)	50.000			
	Qty b/f CMB No.184/EE-III/SWM/MC/2020-21 vide page no.92 (3rd R.A Bill Qty)	15.000			
	Total	**65.000**	**Nos**	**Rs. 40,000.00**	**Rs. 26,00,000.00**
2.03	Supply of Decorative Luminaires for Urban lighting, body made of painted spun aluminum, The protector is made of polycarbonate grade UVresistant (IK 08), Permanently sealed optical compartment with IP66 protection. Luminaire offers tool free access to gear compartment with IP44 protection. Luminaire can be installed as a suspended luminaire. The luminaire is equipped with the LensoFlex2® technology photometric system. PMMA lenses with wide photometry for increased pole spacing. Fixture is having a surge protection of 10KA. Electronic driver is having power factor>0.90*, THD<20*% and input voltage range from 120-227V AC at 50Hz. Luminaire efficacy is 100 im/watt system lumen greater than 7500 lumens in CCT range of 4000 as per ANSI. System life of 50000 burning hours with 70% of initial lumens maintained. Luminaire is suitable for operating temperature (Ta) from -20 to 50c. Driver can withstand 320V AC for 48 hours and 360V AC for 2 hours. Make: Surya SLE PT 40W VEGA				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.04 (2nd R.A Bill Qty)	50.000			
	Qty b/f CMB No.184/EE-III/SWM/MC/2020-21 vide page no.93 (3rd R.A Bill Qty)	15.000			
	Total	**65.000**	**Nos**	**Rs. 33,500.00**	**Rs. 21,77,500.00**
2.04	Providing of XLPE (IS:7098) (I)-88 ISI armoured cable multistrand Aluminium conductor for 1.1 KV. to be laid on wall with necessary clamps or in existing trench/ pipe of 4 core 16 Sq.mm cable.				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.04 (2nd R.A Bill Qty)	1500.000		1950 x 275	= 536250.00
	Qty b/f CMB No.184/EE-III/SWM/MC/2020-21 vide page no.94 (3rd R.A Bill Qty)	1500.000		1050 x 206.25	= 216562.50
	Total	**3000.000**	**Mtr**	**Rs. 275.00**	**Rs. 8,25,000.00**

7598812.50

2.05	Supply of 50mm DWC pipes of approved make for covering of cable.				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.04 (2nd R.A Bill Qty)	1200.000		1500×230	= 358800.00
	Qty b/f CMB No. /EE-III/SWM/MC/2020-21 vide page no.94 (3rd R.A Bill Qty)	1200.000		840×172.50	= 144900.00
	Total	**2400.000**	**Mtr**	**Rs. 230.00**	**Rs. 552,000.00**
2.06	Supply of Flexible PVC insulated multistrand multicore 1.1 kv grade ISI marked copper wires of following size to be erected as directed 1.50 Sq.mm 3 core round PVC sheathed.				503760.00
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.04 (2nd R.A Bill Qty)	700.000		910×255	= 232050.00
	Qty b/f CMB No. /EE-III/SWM/MC/2020-21 vide page no.94 (3rd R.A Bill Qty)	700.000		490×191.25	= 93712.25
	Total	**1400.000**	**Mtr**	**Rs. 255.00**	**Rs. 357,000.00** 325762.50
				Total Workdone Amount	**Rs. 22,872,341.41**
	Secured Advance against the materials brought at site				
1.09	**Material Laying at site - Steel** TMT bars of size 8mm, 10mm, 12mm, 16mm and 20mm restricted to 90% of element cost	**216020.00**	**Kg**	**Rs. 49.50**	**Rs. 10,692,990.00** 3230444.87
				Total Value	**Rs. 33,565,331.41**
				Paid in 2nd RA Bill	**Rs. 19,024,930.00** 1369537.87
				Gross Value	**Rs. 14,540,401.41**
				SAY	**Rs. 14,540,401.00** 14369518.00

	RECOVERY DETAILS			Gross Value (A)	Rs. 14,540,401.00
(i)	Schedule B Aggregates (-)				Rs. 1,225,808.00
(ii)	Material Laying at site - Steel	839133.29			Rs. 1,601,924.00
(iii)	Security deposit @ 2.5% on Gross Value	475623.00			
	a) Already recovered in 2nd RA Bill	Rs. 363,510.29			Rs. 363,510.29
	b) To be recovered in this bill	671306.63			
(iv)	IT @ 2% on Gross Value	99751.00			
	a) Already recovered in 1st RA Bill	380499.00			
	b) Already recovered in 2nd RA Bill	Rs. 191,056.63			Rs. 191,056.63
	c) To be recovered in this bill	335653.31			
(v)	Labour Welfare Cess @ 1% on Gross Value	190249.00			
	a) Already recovered in 2nd RA Bill	Rs. 145,404.31			Rs. 145,404.31
	b) To be recovered in this bill	335653.31			
(vi)	UGST @ 1% on Gross Value	49875.50			
	a) Already recovered in 1st RA Bill	190249.50			Rs. 95,528.31
	b) Already recovered in 2nd RA Bill	Rs. 95,528.31			
	c) To be recovered in this bill	335653.31			
(vii)	CGST @ 1% on Gross Value	49875.50			
	a) Already recovered in 1st RA Bill	190249.50			Rs. 95,528.31
	b) Already recovered in 2nd RA Bill	Rs. 95,528.31			
	c) To be recovered in this bill			**Total Recovery (B)**	**Rs. 3,718,759.86**
				Net Amount Payable in this Bill (A-B)	**Rs. 10,821,641.14**
				Says	**Rs. 10,821,641.00**

Net Amount in words:- (Rupees One Crore Eight Lakhs Twenty-One Thousand Six Hundred Forty One Only)

Certified that:-

1. The work has been executed as per terms and conditions of the agreement.
2. No material and T & P has been issued from the Department.
3. Own arrangements for water has been made.
4. No Labour Complaints has been received.
5. Requisite technical staff has been employed as per agreement.
6. Up to date recoveries have been effected in this bill.
7. All Mandatory Test have been conducted.

Signature of the Contractor

Signature of the EE (Works)

Signature of the AE

THEORETICAL STATEMENT

Name of Work:- Marine esplanade: Marina road restructuring with uniform carriage way, walking track, street lighting, street furniture, service core trenching and land scaping.

Agreement No :- 01 (PBSPL) of 2020-21

Agency :- M/s. Surendra Infrastructure (P) Ltd.

S.No	Sch Item No.	Description of Items	Quantity	Unit	Coefficient	Quantity	Schedule B Rates in figures material will be charged	Amount
1	1.04	**PCC 1:4:8**	96.247	Cum				
		Cement		Bags	3.410	328.202	0.00	0.00
		Pulverised Sand		Cum	0.470	45.236	1567.91	70926.12
		Stone aggregates 40mm		Cum	0.950	91.435	1466.76	134112.69
2	1.05	**M-25 (upto Plinth)**	97.651	Cum				
		Cement		Bags	6.860	669.886	0.00	0.00
		Pulverised Sand		Cum	0.486	47.849	1567.91	75022.93
		Stone aggregates 20mm		Cum	0.285	27.830	1516.82	42213.10
		Stone aggregates 12.5mm		Cum	0.426	41.599	1544.84	64263.80
3	1.07	**M-25 (above Plinth)**	56.474	Cum				
		Cement		Bags	6.860	387.412	0.00	0.00
		Pulverised Sand		Cum	0.486	27.446	1567.91	43032.86
		Stone aggregates 20mm		Cum	0.285	16.095	1516.82	24413.22
		Stone aggregates 12.5mm		Cum	0.426	24.058	1544.84	37165.76
4	1.08	**M-40**	414.336	Cum				
		Cement		Bags	8.840	3662.730	0.00	0.00
		Pulverised Sand		Cum	0.454	188.108	1567.91	294936.41
		Stone aggregates 20mm		Cum	0.277	114.771	1516.82	174086.95
		Stone aggregates 12.5mm		Cum	0.415	171.949	1544.84	265633.69
							Total Amount	**1225807.52**
							Says	**1225808.00**

Junior Engineer-III (Works)
PBMC

Secured Advance against the materials brought at site

Name of Work:- Marine esplanade: Marina road restructuring with uniform carriage way, walking track, street lighting, street furniture, service core trenching and land scaping.

Agreement No :- 01 (PBSPL) of 2020-21

Agency :- M/s. Surendra Infrastructure (P) Ltd.

S.No	Sch Item No.	Description of Items	Quantity	Unit	Rate Allowed	Amount
1	1.09	Steel TMT Bars	32362.094	Kgs	49.5	1601923.653
					Total Amount	**1601923.65**
					Says	**1601924.00**

Junior Engineer-III (Works)
PBMC

Ref page no. 1 to 10 of this.

Authority :- 01 (PBSPL) of 2020-2021

W.O.No :- Marine esplimde :- Marine road restoration with uniform carriage way, walking track street lighting street furniture service core trenching and land scaping.

Agency :- M/s Surendra Infrastructure (P) Ltd.

Total Gross value of work done →	3,33,94,445/-
Already paid in 2nd RA Bill →	1,90,24,930/-
Gross value of 3rd RA Bill →	1,43,69,518/-

Ded

(i) S/deposit @ 2.5 % on GIV	→	834861/-
Already deducted in 2nd RA Bill	→	475623/-
now to be deducted	→	359238/-
(ii) I Tax @ 2% on GIV	→	667889/-
Already deducted in 2nd RA Bill	→	380449/-
now to be deducted.		287390/-
(iii) labour cess @ 1% on GIV	→	333944/-
Already deducted in 2nd RA Bill	→	190249/-
now to be deducted	→	143695/-
(iv) TDS on GST @ 2% on GIV	→	667889/-
Already deducted in 2nd RA Bill	→	380499/-
now to be deducted	→	287390/-
(v) Schedule B Aggregates (-)	→	1225808/-
(vi) material laying at site - steel	→	1601924/-

Total Deduction → 39,05,445/-

Net payable Amount → 1,04,64,073/=

3rd RA Bill in respect of M/s Surendra Infrastructure (P) Ltd. against Agr. No. 01 (PBSPL) of 2020-2021 is passed for ₹ = 1,43,69,518/= (Rupees one crore forty three lakhs sixty nine thousand five hundred eighteen only).

Executive Engineer-III (10 Kls)
Municipal Council
Port Blair

payment released for ₹ = 1,04,64,073/=

12/8/21

Accounts Officer-III
Municipal Council
Port Blair

Division:- Executive Engineer-III (SWM/MC), Port Blair Municipal Council, Port Blair

(4th R.A BILL)

COMPUTERIZED MEASUREMENT BOOK

(ABSTRACT)

CMB No:- 233/EE-III/SWM/MC/2020-21

Name of Work: - Marine esplanade: Marina road restructuring with uniform carriage way, walking track, street lighting, street furniture, service core trenching and land scaping.

Name of Contractor: - M/s. Surendra Infrastructure (P) Ltd.

Agreement No.: - 01 (PBSPL) of 2020-2021

Certified that this Computerized measurement book bearing no.233/EE-III/SWM/MC/2020-21 contains 9 leaves serially numbered from pages 01 to 09 and two blank pages without any damage.

Signature of Contractor	Signature of Assistant Engineer	Signature of Executive Engineer

ABSTRACT OF COST

(4th R.A Bill)

Name of Work:- Marine esplanade: Marina road restructuring with uniform carriage way, walking track, street lighting, street furniture, service core trenching and land scaping.

Agreement No. :- 01 (PBSPL) of 2020-2021

Name of Agency :- M/s. Surendra Infrastructure (P) Ltd.

Date of Commencement:- 07.12.2020

Date of Completion:- In Progress

Reference to previous measurement, if any :- NIL

Serial no of this bill :- 4th RA Bill

Date of Abstract:-

Item No.	Particulars	Quantity	unit	Rate	Amount
1	**CIVIL WORKS**				
1.01	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m. a) All kinds of soil.				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.01 (2nd R.A Bill Qty)	17.617			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.01 (3rd R.A Bill Qty)	139.362			
	Qty b/f CMB No.232/EE-III/SWM/MC/2020-21 vide page no.01 (4th R.A Bill Qty)	30.197			
	Qty b/f CMB No.232/EE-III/SWM/MC/2020-21 vide page no.04 (4th R.A Bill Qty)	24.086			
	Total	**211.262**	**Cum**	**Rs. 225.00**	**Rs. 47,533.95**
1.04	Proving and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:4:8 (1 Cement : 4 coarse sand (Zone III) : 8 graded stone aggregate 40 mm nominal size)				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.01 (2nd R.A Bill Qty)	11.242			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.02 (3rd R.A Bill Qty)	85.005			
	Qty b/f CMB No.232/EE-III/SWM/MC/2020-21 vide page no.01 (4th R.A Bill Qty)	4.050			
	Qty b/f CMB No.232/EE-III/SWM/MC/2020-21 vide page no.04 (4th R.A Bill Qty)	2.855			
	Qty b/f CMB No.232/EE-III/SWM/MC/2020-21 vide page no.18 (4th R.A Bill Qty)	4.464			
	Total	**107.616**	**Cum**	**Rs. 9,250.00**	**Rs. 995,448.00**

1.05	Providing and laying in position machine batched and machine mixed design mix M-25 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying but excluding the cost of centering, shuttering, finishing and reinforcement, including admixtures in recommended proportions as per IS: 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer-in-charge."(Note :- Cement content considered in this item is @ 330 kg/cum."Excess/ less cement used as per design mix is payable/recoverable separately). All works upto plinth level				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.01 (2nd R.A Bill Qty)	10.528			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.03 (3rd R.A Bill Qty)	320.952			
	Qty b/f CMB No.232/EE-III/SWM/MC/2020-21 vide page no.03 (4th R.A Bill Qty)	3.450			
	Qty b/f CMB No.232/EE-III/SWM/MC/2020-21 vide page no.03 (4th R.A Bill Qty)	13.532			
	Qty b/f CMB No.232/EE-III/SWM/MC/2020-21 vide page no.06 (4th R.A Bill Qty)	2.432			
	Qty b/f CMB No.232/EE-III/SWM/MC/2020-21 vide page no.06 (4th R.A Bill Qty)	10.535			
	Qty b/f CMB No.232/EE-III/SWM/MC/2020-21 vide page no.18 (4th R.A Bill Qty)	16.500			
	Qty b/f CMB No.232/EE-III/SWM/MC/2020-21 vide page no.19 (4th R.A Bill Qty)	12.727			
	Total	**390.656**	**Cum**	**Rs. 11,000.00**	**Rs. 4,297,216.00**
1.06	Extra for laying RCC in or under water and/or liquid mud, including cost of pumping or bailing out water and removing slush etc., complete.		202.80 x 650 =		131820.00
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.03 (3rd R.A Bill Qty)	320.702	117.902 x 487.50 =		57477.23
	Qty b/f CMB No.232/EE-III/SWM/MC/2020-21 vide page no.20 (4th R.A Bill Qty)	80.263	80.263 x 487.50		39125.21
					228,425.44
	Total	**400.965**	**Cum**	**Rs. 650.00**	**Rs. 260,627.25**
1.07	Providing and laying in position machine batched and machine mixed design mix M-25 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying but excluding the cost of centering, shuttering, finishing and reinforcement, including admixtures in recommended proportions as per IS: 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer-in-charge."(Note :- Cement contentconsidered in this item is @ 330 kg/cum."Excess/ less cement used as per design mix is payable/recoverable separately). All works above plinth level upto floor V level				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.02 (2nd R.A Bill Qty)	14.812			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.04 (3rd R.A Bill Qty)	222.185			
	Qty b/f CMB No.232/EE-III/SWM/MC/2020-21 vide page no.08 (4th R.A Bill Qty)	10.341			

	Qty b/f CMB No.232/EE-III/SWM/MC/2020-21 vide page no.10 (4th R.A Bill Qty)	10.341			
	Qty b/f CMB No.232/EE-III/SWM/MC/2020-21 vide page no.12 (4th R.A Bill Qty)	10.341			
	Qty b/f CMB No.232/EE-III/SWM/MC/2020-21 vide page no.14 (4th R.A Bill Qty)	10.341			
	Qty b/f CMB No.232/EE-III/SWM/MC/2020-21 vide page no.20 (4th R.A Bill Qty)	10.862			
	Total	**289.223**	**Cum**	**Rs. 11,400.00**	**Rs. 3,297,142.20**
	Providing M-25 grade concrete. (Note : Cement content considered as per Design Mix M25 - 343 kg/cbm approved				
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.05 (3rd R.A Bill Qty)	2003.625			
	Below plinth & above plinth qty : 59.176 + 52.226 = 111.402 Cum M40 Concrete qty = 81.453 Cum Difference Qty = 111.402 - 81.453 = 29.949 Cum Cement Qty = 29.949 x 330 = 9883.17 Kg = 29.949 x 343 = 10272.507 Kg Difference Qty = 389.337 Kg	389.337			
	Total	**2392.962**	**Kg**	**Rs. 10.00**	**Rs. 23,929.62**
1.08	Extra for providing richer mixes at all floor levels. Note:- Excess/less cement over the specified cement content used is payable / recoverable separately. Providing M-40 grade concrete instead of M-25 grade BMC/RMC. (Note : Cement content considered in M-40 is @ 360 kg/cum)				
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.05 (3rd R.A Bill Qty)	414.336			
	Qty b/f CMB No.232/EE-III/SWM/MC/2020-21 vide page no.14 (4th R.A Bill Qty)	41.364			
	Qty b/f CMB No.232/EE-III/SWM/MC/2020-21 vide page no.20 (4th R.A Bill Qty)	40.089			
	Total	**495.789**	**Cum**	**Rs. 320.00**	**Rs. 158,652.48**
	Extra for providing richer mixes M-40 grade concrete. (Note : Cement content considered as per Design Mix M40 - 442 kg/cbm approved.				
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.05 (3rd R.A Bill Qty)	33975.552			
	Extra for providing richer mixes M-40 grade concrete. (Note : Cement content considered as per Design Mix M40 - 442 kg/cbm approved. (Qty - 81.453 Cum) Cement Qty = 81.453 x 442 = 36002.226 Kg = 81.453 x 360 = 29323.08 Kg Difference Qty = 6679.146 Kg	6679.146			
	Total	**40654.698**	**Kg**	**Rs. 10.00**	**Rs. 406,546.98**
1.09	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level. A) Thermo-Mechanically Treated bars of grade Fe-500D or more.				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.02 (2nd R.A Bill Qty)	1051.813			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.05 (3rd R.A Bill Qty)	31310.281			
	Qty b/f CMB No.232/EE-III/SWM/MC/2020-21 vide page no.02 (4th R.A Bill Qty)	415.105			
	Qty b/f CMB No.232/EE-III/SWM/MC/2020-21 vide page no.05 (4th R.A Bill Qty)	314.934			
	Qty b/f CMB No.232/EE-III/SWM/MC/2020-21 vide page no.07 (4th R.A Bill Qty)	423.385			

	Qty b/f CMB No.232/EE-III/SWM/MC/2020-21 vide page no.07 (4th R.A Bill Qty)	185.748			
	Qty b/f CMB No.232/EE-III/SWM/MC/2020-21 vide page no.09 (4th R.A Bill Qty)	423.385			
	Qty b/f CMB No.232/EE-III/SWM/MC/2020-21 vide page no.09 (4th R.A Bill Qty)	185.748			
	Qty b/f CMB No.232/EE-III/SWM/MC/2020-21 vide page no.11 (4th R.A Bill Qty)	423.385			
	Qty b/f CMB No.232/EE-III/SWM/MC/2020-21 vide page no.11 (4th R.A Bill Qty)	185.748			
	Qty b/f CMB No.232/EE-III/SWM/MC/2020-21 vide page no.13 (4th R.A Bill Qty)	423.385			
	Qty b/f CMB No.232/EE-III/SWM/MC/2020-21 vide page no.13 (4th R.A Bill Qty)	185.748			
	Qty b/f CMB No.232/EE-III/SWM/MC/2020-21 vide page no.15 (4th R.A Bill Qty)	1324.998			
	Qty b/f CMB No.232/EE-III/SWM/MC/2020-21 vide page no.16 (4th R.A Bill Qty)	1541.475			
	Qty b/f CMB No.232/EE-III/SWM/MC/2020-21 vide page no.17 (4th R.A Bill Qty)	512.654			
	Total	**38907.792**	**Kg**	**Rs. 91.00**	**Rs. 3,540,609.07**
1.11	Centering and shuttering including strutting, propping etc. and removal of form work for : Foundations, footings, bases for columns				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.02 (2nd R.A Bill Qty)	50.400			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.07 (3rd R.A Bill Qty)	267.000			
	Qty b/f CMB No.232/EE-III/SWM/MC/2020-21 vide page no.2 (4th R.A Bill Qty)	6.000			
	Qty b/f CMB No.232/EE-III/SWM/MC/2020-21 vide page no.5 (4th R.A Bill Qty)	4.230			
	Qty b/f CMB No.232/EE-III/SWM/MC/2020-21 vide page no.18 (4th R.A Bill Qty)	13.400			
	Total	**341.030**	**Sqm**	**Rs. 340.00**	**Rs. 115,950.20**
1.12	Centering and shuttering including strutting, propping etc. and removal of form work for : Retaining walls, return walls, walls (any thickness) including attached pilasters, butteresses, plinth and string courses fillets, kerbs and steps etc.				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.02 (2nd R.A Bill Qty)	142.478			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.08 (3rd R.A Bill Qty)	1784.236			
	Qty b/f CMB No.232/EE-III/SWM/MC/2020-21 vide page no.03 (4th R.A Bill Qty)	180.420			
	Qty b/f CMB No.232/EE-III/SWM/MC/2020-21 vide page no.06 (4th R.A Bill Qty)	140.462			
	Qty b/f CMB No.232/EE-III/SWM/MC/2020-21 vide page no.08 (4th R.A Bill Qty)	41.918			
	Qty b/f CMB No.232/EE-III/SWM/MC/2020-21 vide page no.10 (4th R.A Bill Qty)	41.918			
	Qty b/f CMB No.232/EE-III/SWM/MC/2020-21 vide page no.12 (4th R.A Bill Qty)	41.918			
	Qty b/f CMB No.232/EE-III/SWM/MC/2020-21 vide page no.14 (4th R.A Bill Qty)	41.918			
	Qty b/f CMB No.232/EE-III/SWM/MC/2020-21 vide page no.19 (4th R.A Bill Qty)	54.261			
	Total	**2469.529**	**Sqm**	**Rs. 570.00**	**Rs. 1,407,631.53**

1.13	Centering and shuttering including strutting, propping etc. and removal of form for all heights : Extra for shuttering in circular work (20% of respective centering and shuttering items)				
	Qty b/f CMB No.232/EE-III/SWM/MC/2020-21 vide page no.21 (4th R.A Bill Qty)	50.597			
	Total	**50.597**	**Sqm**	**Rs. 150.00**	**Rs. 7,589.55**
1.2	Demolishing cement concrete manually/ by mechanical means and disposal of material within 50 metres lead as per direction of Engineerin-charge. cum Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix)				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.03 (2nd R.A Bill Qty)	2.963			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.08 (3rd R.A Bill Qty)	65.457			
	Total	**68.420**	**Cum**	**Rs. 1,100.00**	**Rs. 75,262.00**
2	**ELECTRICAL WORKS**				
2.01	Supply of 8 Mtr. height decorative Chatsworth pole having cast iron decorative base and pipe dia of 165mm dia & 1 mtr long with cast iron reducer joining with 101mm OD straight pipe. Pole shall be mounted on square base plate. Decorative Cascade bracket with 940mm height mounted on pole. Pole and two brackets at differential height shall be galvanized and painted with PU paint in closed paint chamber with heating treatment in chamber. Make: Surya				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.03 (2nd R.A Bill Qty)	50.000			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.08 (3rd R.A Bill Qty)	15.000			
	Total	**65.000**	**Nos**	**Rs. 64,000.00**	**Rs. 4,160,000.00**
2.02	Supply of Decorative Luminaires for Urban lighting, body made of painted spun aluminum. The protector is made of polycarbonate grade UVresistant (IK 08). Permanently sealed optical compartment with IP66 protection. Luminaire offers tool free access to gear compartment with IP44 protection. Luminaire can be installed as a suspended luminaire. The luminaire is equipped with the LensoFlex2® technology photometric system. PMMA lenses with wide photometry for increased pole spacing. Fixture is having a surge protection of 10KA. Electronic driver is having power factor>0.90*, THD<20*% and input voltage range from 120-227V AC at 50Hz. Luminaire efficacy is 100 lm/ watt system lumen greater than 7500 lumens in CCT range of 4000 as per ANSI. System life of 50000 burning hours with 70% of initial lumens maintained. Luminaire is suitable for operating temperature (Ta) from -20 to 50c. Driver can withstand 320V AC for 48 hours and 360V AC for 2 hours. Make: Surya SLE PT 75W VEGA				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.03 (2nd R.A Bill Qty)	50.000			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.09 (3rd R.A Bill Qty)	15.000			
	Total	**65.000**	**Nos**	**Rs. 40,000.00**	**Rs. 2,600,000.00**

2.03	Supply of Decorative Luminaires for Urban lighting, body made of painted spun aluminum, The protector is made of polycarbonate grade UVresistant (IK 08), Permanently sealed optical compartment with IP66 protection. Luminaire offers tool free access to gear compartment with IP44 protection. Luminaire can be installed as a suspended luminaire. The luminaire is equipped with the LensoFlex2® technology photometric system. PMMA lenses with wide photometry for increased pole spacing. Fixture is having a surge protection of 10KA. Electronic driver is having power factor>0.90*, THD<20*% and input voltage range from 120-227V AC at 50Hz. Luminaire efficacy is 100 im/ watt system lumen greater than 7500 lumens in CCT range of 4000 as per ANSI. System life of 50000 burning hours with 70% of initial lumens maintained. Luminaire is suitable for operating temperature (Ta) from -20 to 50c. Driver can withstand 320V AC for 48 hours and 360V AC for 2 hours. Make: Surya SLE PT				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.04 (2nd R.A Bill Qty)	50.000			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.09 (3rd R.A Bill Qty)	15.000			
	Total	**65.000**	**Nos**	**Rs. 33,500.00**	**Rs. 2,177,500.00**
2.04	Providing of XLPE (IS:7098) (I)-88 ISI armoured cable multistrand Aluminium conductor for 1.1 KV. to be laid on wall with necessary clamps or in existing trench/ pipe of 4 core 16 Sq.mm cable.				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.04 (2nd R.A Bill Qty)	1500.000			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.09 (3rd R.A Bill Qty)	1500.000			
	Total	**3000.000**	**Mtr**	**Rs. 275.00**	**Rs. 825,000.00**
2.05	Supply of 50mm DWC pipes of approved make for covering of cable.				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.04 (2nd R.A Bill Qty)	1200.000			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.10 (3rd R.A Bill Qty)	1200.000			
	Total	**2400.000**	**Mtr**	**Rs. 230.00**	**Rs. 552,000.00**
2.06	Supply of Flexible PVC insulated multistrand multicore 1.1 kv grade ISI marked copper wires of following size to be erected as directed 1.50 Sq.mm 3 core round PVC sheathed.				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.04 (2nd R.A Bill Qty)	700.000			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.10 (3rd R.A Bill Qty)	700.000			
	Total	**1400.000**	**Mtr**	**Rs. 255.00**	**Rs. 357,000.00**
				Total Workdone Amount	**Rs. 25,305,638.83**
	Secured Advance against the materials brought at site				
1.09	**Material Laying at site - Steel** TMT bars of size 8mm, 10mm, 12mm, 16mm and 20mm restricted to 90% of element cost	**216020.00**	**Kg**	**Rs. 49.50**	**Rs. 10,692,990.00**
				Total Value	**Rs. 35,998,628.83**
				Paid in 2nd RA Bill	**Rs. 19,024,930.00**
				Paid in 3rd RA Bill	**Rs. 14,369,518.00**
				Gross Value	**Rs. 2,604,180.83**
				SAY	**Rs. 2,604,181.00**

2420254

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RECOVERY DETAILS

			Gross Value (A)	Rs. 2,604,181.00
(i)	Schedule B Aggregates (-)			Rs. 224,120.00
(ii)	Material Laying at site - Steel		895368.00	Rs. 324,012.00
(iii)	Security deposit @ 2.5% on Total Gross Value	899965.72	895367.55	
	a) Already recovered in 2nd RA Bill	475623.00		60507.00
	b) Already recovered in 3rd RA Bill	359238.00		60506.55
	c) To be recovered in this bill	Rs. 65,104.72		Rs. 65,104.72
(iv)	IT @ 2% on Total Gross Value	719972.58	716294.04	
	a) Already recovered in 1st RA Bill	99751.00		
	b) Already recovered in 2nd RA Bill	380499.00		
	c) Already recovered in 3rd RA Bill	287390.00		48405.04
	d) To be recovered in this bill	-Rs. 47,667.42		Rs. 47,667.42
(v)	Labour Welfare Cess @ 1% on Total Gross Value	359986.29	358147.02	
	a) Already recovered in 2nd RA Bill	190249.00		
	b) Already recovered in 3rd RA Bill	143695.00		24203.01
	c) To be recovered in this bill	Rs. 26,042.29		Rs. 26,042.29
(vi)	UGST @ 1% on Total Gross Value	359986.29	358147.02	
	a) Already recovered in 1st RA Bill	49875.50		
	b) Already recovered in 2nd RA Bill	190249.50		
	c) Already recovered in 3rd RA Bill	143695.00		24202.52
	d) To be recovered in this bill	-Rs. 23,833.71		Rs. 23,833.71
(vii)	CGST @ 1% on Total Gross Value	359986.29	358147.02	
	a) Already recovered in 1st RA Bill	49875.50		
	b) Already recovered in 2nd RA Bill	190249.50		
	c) Already recovered in 3rd RA Bill	143695.00		24202.52
	d) To be recovered in this bill	-Rs. 23,833.71		-Rs. 23,833.71
(v)	Schedule B Aggregates (-)			224120.00
(vii)	Material laying at site - Steel			324012.00
			Total Recovery (B)	Rs. 543,944.16
			Net Amount Payable in this Bill (A-B)	Rs. 2,060,236.81
			Says	Rs. 2,060,237.00

1690602.31

~~Net Amount in words:- (Rupees Twenty Lakhs Sixty Thousand Two Hundred Thirty Seven Only)~~

Net Amount → (Sixteen Lakhs Ninty Thousand Six Hundred Two only) 1,690,602.00

Certified that:-

1. The work has been executed as per terms and conditions of the agreement.
2. No material and T & P has been issued from the Department.
3. Own arrangements for water has been made.
4. No Labour Complaints has been received.
5. Requisite technical staff has been employed as per agreement.
6. Up to date recoveries have been effected in this bill.
7. All Mandatory Test have been conducted.

Signature of the Contractor

Signature of the AE

Signature of the EE (Works)

Ref. Page No: 1 to 8 of TMB.

Authority :- 01 (PBSPL) of 2020-2021

N.O.W :- Marine esplanade :- marina road restructuri with uniform carriage way, walking track Street lighting, Street furniture, Service c trenching and Land Scaping.

Agency :- M/s Surendra Infrastructure (P) Ltd.

Total Gross value of work done → 3,58,14,702/-
Already paid up to 3rd RA Bill → 3,33,94,448/-
Gross value of 4th RA Bill → 24,20,254/-

Ded

(i) SD deposit @ 2.5% on GW → 895368/-
Already deducted upto 3rd RA Bill → 834861/-
Now to be deducted → 60507/-

(ii) I Tax @ 2% on GW → 716294/-
Already deducted upto 3rd RA Bill → 667889/-
Now to be deducted → 48405/-

(iii) Labour cess @ 1% on GW → 358147/-
Already deducted upto 3rd RA Bill → 333944/-
Now to be deducted → 24203/-

(iv) TDS on GST @ 2% on GW → 716294/-
Already deducted upto 3rd RA Bill → 667889/-
Now to be deducted → 48405/-

(v) Schedule B Aggregates (-) → 224120/-

(vi) material laying at site-steel → 324012/-

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THEORETICAL STATEMENT

Name of Work:- Marine esplanade: Marina road restructuring with uniform carriage way, walking track, street lighting, street furniture, service core trenching and land scaping.

Agreement No :- 01 (PBSPL) of 2020-21

Agency :- M/s. Surendra Infrastructure (P) Ltd

S.No	Sch Item No.	Description of Items	Quantity	Unit	Coefficient	Quantity	Schedule B Rates in figures material will be charged	Amount
1	1.04	**PCC 1:4:8**	11.369	Cum				
		Cement		Bags	3.410	38.768	0.00	0.00
		Pulverised Sand		Cum	0.470	5.343	1567.91	8377.34
		Stone aggregates 40mm		Cum	0.950	10.801	1466.76	15842.47
2	1.05	**M-25 (upto Plinth)**	29.949	Cum				
		Cement		Bags	6.860	205.450	0.00	0.00
		Pulverised Sand		Cum	0.486	14.555	1567.91	22820.93
		Stone aggregates 20mm		Cum	0.285	8.535	1516.82	12946.06
		Stone aggregates 12.5mm		Cum	0.426	12.758	1544.84	19709.07
3	1.08	**M-40**	81.453	Cum				
		Cement		Bags	8.840	720.045	0.00	0.00
		Pulverised Sand		Cum	0.454	36.980	1567.91	57981.31
		Stone aggregates 20mm		Cum	0.277	22.562	1516.82	34222.49
		Stone aggregates 12.5mm		Cum	0.415	33.803	1544.84	52220.23
							Total Amount	**224119.90**
							Says	**224120.00**

Junior Engineer-III (Works)
PBMC

Total Deduction → 729652/=

Net payable Amount → 1690,602/=

4th RA Bill in respect of M/s Surendra Infrastructure (P) Ltd. against Agr-No. 01 (PBSPL) of 2020-2021 is passed for ₹= 2420,254/= (Rupees Twenty ~~Lakhs~~ four lakhs Twenty thousand two hundred fifty four only).

Executive Engineer -III (Works)
Municipal Council
Port Blair

payment released for ₹= 1690,602/=

Accounts Officer -III
Municipal Council
Port Blair

Secured Advance against the materials brought at site

Name of Work:- Marine esplanade: Marina road restructuring with uniform carriage way, walking track, street lighting, street furniture, service core trenching and land scaping.

Agreement No :- 01 (PBSPL) of 2020-21

Agency :- M/s. Surendra Infrastructure (P) Ltd.

S.No	Sch Item No.	Description of Items	Quantity	Unit	Rate Allowed	Amount
1	1.09	Steel TMT Bars	6545.698	Kgs	49.5	324012.051
					Total Amount	**324012.05**
					Says	**324012.00**

Junior Engineer-III (Works)

PBMC

Division:- Executive Engineer-III (SWM/MC), Port Blair Municipal Council, Port Blair

(5th R.A BILL)

COMPUTERIZED MEASUREMENT BOOK

(ABSTRACT)

CMB No:- 235/EE-III/SWM/MC/2020-21

Name of Work: - Marine esplanade: Marina road restructuring with uniform carriage way, walking track, street lighting, street furniture, service core trenching and land scaping.

Name of Contractor: - M/s. Surendra Infrastructure (P) Ltd.

Agreement No.: - 01 (PBSPL) of 2020-2021

Certified that this Computerized measurement book bearing no.235/EE-III/SWM/MC/2020-21 contains **10** leaves serially numbered from pages 01 to 10 and two blank pages without any damage.

Signature of
Contractor

Signature of
Assistant Engineer

Signature of
Executive Engineer

ABSTRACT OF COST

(5th R.A Bill)

Name of Work:- Marine esplanade: Marina road restructuring with uniform carriage way, walking track, street lighting, street furniture, service core trenching and land scaping.

Agreement No. :- 01 (PBSPL) of 2020-2021

Name of Agency :- M/s. Surendra Infrastructure (P) Ltd.

Date of Commencement:- 07.12.2020

Date of Completion:- In Progress

Reference to previous measurement, if any :- NIL

Serial no of this bill :- 5th RA Bill

Date of Abstract:-

Item No.	Particulars	Quantity	Unit	Rate	Amount
1	**CIVIL WORKS**				
1.01	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m. a) All kinds of soil.				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.01 (2nd R.A Bill Qty)	17.617			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.01 (3rd R.A Bill Qty)	139.362			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.01 (4th R.A Bill Qty)	54.283			
	Total	**211.262**	**Cum**	**Rs. 225.00**	**Rs. 47,533.95**
1.04	Proving and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:4:8 (1 Cement : 4 coarse sand (Zone III) : 8 graded stone aggregate 40 mm nominal size)				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.01 (2nd R.A Bill Qty)	11.242			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.02 (3rd R.A Bill Qty)	85.005			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.01 (4th R.A Bill Qty)	11.369			
	Qty b/f CMB No.234/EE-III/SWM/MC/2020-21 vide page no.04 (5th R.A Bill Qty)	4.464			
	Qty b/f CMB No.234/EE-III/SWM/MC/2020-21 vide page no.09 (5th R.A Bill Qty)	4.464			
	Total	**116.544**	**Cum**	**Rs. 9,250.00**	**Rs. 1,078,032.00**

1.05	Providing and laying in position machine batched and machine mixed design mix M-25 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying but excluding the cost of centering, shuttering, finishing and reinforcement, including admixtures in recommended proportions as per IS: 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer-in-charge."(Note :- Cement content considered in this item is @ 330 kg/cum."Excess/ less cement used as per design mix is payable/recoverable separately). All works upto plinth level				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.01 (2nd R.A Bill Qty)	10.528			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.03 (3rd R.A Bill Qty)	320.952			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.02 (4th R.A Bill Qty)	59.176			
	Qty b/f CMB No.234/EE-III/SWM/MC/2020-21 vide page no.04 (5th R.A Bill Qty)	16.500			
	Qty b/f CMB No.234/EE-III/SWM/MC/2020-21 vide page no.05 (5th R.A Bill Qty)	12.727			
	Qty b/f CMB No.234/EE-III/SWM/MC/2020-21 vide page no.09 (5th R.A Bill Qty)	16.500			
	Qty b/f CMB No.234/EE-III/SWM/MC/2020-21 vide page no.10 (5th R.A Bill Qty)	12.727			
	Total	449.110	**Cum**	**Rs. 11,000.00**	**Rs. 4,940,210.00**
1.06	Extra for laying RCC in or under water and/or liquid mud, including cost of pumping or bailing out water and removing slush etc., complete.		200.80 × 650 = 131820.00 117.902 × 487.50 = 57477.23		
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.03 (3rd R.A Bill Qty)	320.702			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.02 (4th R.A Bill Qty)	80.263	80.263 × 487.50 = 39128.21		
	Qty b/f CMB No.234/EE-III/SWM/MC/2020-21 vide page no.11 (5th R.A Bill Qty) 89.103	89.103	89.103 × 487.50 = 43438.20		
	Total	490.068	**Cum**	**Rs. 650.00**	**Rs. 318,544.20**
					271863.640
1.07	Providing and laying in position machine batched and machine mixed design mix M-25 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying but excluding the cost of centering, shuttering, finishing and reinforcement, including admixtures in recommended proportions as per IS: 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer-in-charge."(Note :- Cement contentconsidered in this item is @ 330 kg/cum."Excess/ less cement used as per design mix is payable/recoverable separately). All works above plinth level upto floor V level				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.02 (2nd R.A Bill Qty)	14.812			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.04 (3rd R.A Bill Qty)	222.185			

	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.03 (4th R.A Bill Qty)	52.226			
	Qty b/f CMB No.234/EE-III/SWM/MC/2020-21 vide page no.06 (5th R.A Bill Qty)	10.862			
	Qty b/f CMB No.234/EE-III/SWM/MC/2020-21 vide page no.11 (5th R.A Bill Qty)	10.862			
	Qty b/f CMB No.234/EE-III/SWM/MC/2020-21 vide page no.13 (5th R.A Bill Qty)	10.341			
	Qty b/f CMB No.234/EE-III/SWM/MC/2020-21 vide page no.15 (5th R.A Bill Qty)	10.341			
	Qty b/f CMB No.234/EE-III/SWM/MC/2020-21 vide page no.17 (5th R.A Bill Qty)	10.341			
	Total	**341.970**	**Cum**	**Rs. 11,400.00**	**Rs. 3,898,458.00**
	Providing M-25 grade concrete. (Note : Cement content considered as per Design Mix M25 - 343 kg/cbm approved.				
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.05 (3rd R.A Bill Qty)	2003.625			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.03 (4th R.A Bill Qty)	389.337			
	Total	**2392.962**	**Kg**	**Rs. 10.00**	**Rs. 23,929.62**
1.08	Extra for providing richer mixes at all floor levels. Note:- Excess/less cement over the specified cement content used is payable / recoverable separately. Providing M-40 grade concrete instead of M-25 grade BMC/RMC. (Note : Cement content considered in M-40 is @ 360 kg/cum)				
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.05 (3rd R.A Bill Qty)	414.336			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.03 (4th R.A Bill Qty)	81.453			
	Qty b/f CMB No.234/EE-III/SWM/MC/2020-21 vide page no.11 (5th R.A Bill Qty)	80.178			
	Qty b/f CMB No.234/EE-III/SWM/MC/2020-21 vide page no.17 (5th R.A Bill Qty)	31.023			
	Total	**606.990**	**Cum**	**Rs. 320.00**	**Rs. 194,236.80**
	Extra for providing richer mixes M-40 grade concrete. (Note : Cement content considered as per Design Mix M40 - 442 kg/cbm approved.				
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.05 (3rd R.A Bill Qty)	33975.552			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.03 (4th R.A Bill Qty)	6679.146			
	Extra for providing richer mixes M-40 grade concrete. (Note : Cement content considered as per Design Mix M40 - 442 kg/cbm approved. (Qty - 111.201 Cum) Cement Qty = 111.201 x 442 = 49150.842 Kg = 111.201 x 360 = 40032.36 Kg Difference Qty = 9118.482 Kg	9118.482			
	Total	**49773.180**	**Kg**	**Rs. 10.00**	**Rs. 497,731.80**

1.09	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level. A) Thermo-Mechanically Treated bars of grade Fe-500D or more.				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.02 (2nd R.A Bill Qty)	1051.813			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.05 (3rd R.A Bill Qty)	31310.281			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.04 (4th R.A Bill Qty)	6545.698			
	Qty b/f CMB No.234/EE-III/SWM/MC/2020-21 vide page no.01 (5th R.A Bill Qty)	1324.998		1324.998	
	Qty b/f CMB No.234/EE-III/SWM/MC/2020-21 vide page no.02 (5th R.A Bill Qty)	1541.475			
	Qty b/f CMB No.234/EE-III/SWM/MC/2020-21 vide page no.03 (5th R.A Bill Qty)	512.654		512.654	
	Qty b/f CMB No.234/EE-III/SWM/MC/2020-21 vide page no.06 (5th R.A Bill Qty)	1324.998		1324.998	
	Qty b/f CMB No.234/EE-III/SWM/MC/2020-21 vide page no.07 (5th R.A Bill Qty)	1541.475			
	Qty b/f CMB No.234/EE-III/SWM/MC/2020-21 vide page no.08 (5th R.A Bill Qty)	512.654		512.654	
	Qty b/f CMB No.234/EE-III/SWM/MC/2020-21 vide page no.12 (5th R.A Bill Qty)	423.385			
	Qty b/f CMB No.234/EE-III/SWM/MC/2020-21 vide page no.12 (5th R.A Bill Qty)	185.748			
	Qty b/f CMB No.234/EE-III/SWM/MC/2020-21 vide page no.14 (5th R.A Bill Qty)	423.385			
	Qty b/f CMB No.234/EE-III/SWM/MC/2020-21 vide page no.14 (5th R.A Bill Qty)	185.748			
	Qty b/f CMB No.234/EE-III/SWM/MC/2020-21 vide page no.16 (5th R.A Bill Qty)	423.385			
	Qty b/f CMB No.234/EE-III/SWM/MC/2020-21 vide page no.16 (5th R.A Bill Qty)	185.748			
	Total	47493.445	**Kg**	**Rs. 91.00**	**Rs. 4,321,903.50**
1.11	Centering and shuttering including strutting, propping etc. and removal of form work for : Foundations, footings, bases for columns				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.02 (2nd R.A Bill Qty)	50.400			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.07 (3rd R.A Bill Qty)	267.009			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.04 (4th R.A Bill Qty)	25.630			
	Qty b/f CMB No.234/EE-III/SWM/MC/2020-21 vide page no.04 (5th R.A Bill Qty)	13.400			
	Qty b/f CMB No.234/EE-III/SWM/MC/2020-21 vide page no.09 (5th R.A Bill Qty)	13.400			
	Total	367.830	**Sqm**	**Rs. 340.00**	**Rs. 125,062.20**
1.12	Centering and shuttering including strutting, propping etc. and removal of form work for : Retaining walls, return walls, walls (any thickness) including attached pilasters, butteresses, plinth and string courses fillets, kerbs and steps etc.				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.02 (2nd R.A Bill Qty)	142.478			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.08 (3rd R.A Bill Qty)	1784.236			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.04 (4th R.A Bill Qty)	542.815			

	Qty b/f CMB No.234/EE-III/SWM/MC/2020-21 vide page no.05 (5th R.A Bill Qty)	54.261			
	Qty b/f CMB No.234/EE-III/SWM/MC/2020-21 vide page no.10 (5th R.A Bill Qty)	54.261			
	Qty b/f CMB No.234/EE-III/SWM/MC/2020-21 vide page no.13 (5th R.A Bill Qty)	41.918			
	Qty b/f CMB No.234/EE-III/SWM/MC/2020-21 vide page no.15 (5th R.A Bill Qty)	41.918			
	Qty b/f CMB No.234/EE-III/SWM/MC/2020-21 vide page no.17 (5th R.A Bill Qty)	41.918			15,41,168.85
	Total	2703.805	Sqm	Rs. 570.00	Rs. 1,541.168.85
1.13	Centering and shuttering including strutting, propping etc. and removal of form for all heights : Extra for shuttering in circular work (20% of respective centering and shutttering items)				
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.05 (4th R.A Bill Qty)	50.597			
	Qty b/f CMB No.234/EE-III/SWM/MC/2020-21 vide page no.18 (5th R.A Bill Qty)	37.948			
	Total	88.545	Sqm	Rs. 150.00	Rs. 13,281.75
1.2	Demolishing cement concrete manually/ by mechanical means and disposal of material within 50 metres lead as per direction of Engineerin-charge. cum Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix)				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.03 (2nd R.A Bill Qty)	2.963			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.08 (3rd R.A Bill Qty)	65.457			
	Total	68.420	Cum	Rs. 1,100.00	Rs. 75,262.00
2	**ELECTRICAL WORKS**				
2.01	Supply of 8 Mtr. height decorative Chatsworth pole having cast iron decorative base and pipe dia of 165mm dia & 1 mtr long with cast iron reducer joining with 101mm OD straight pipe. Pole shall be mounted on square base plate. Decorative Cascade bracket with 940mm height mounted on pole. Pole and two brackets at differential height shall be galvanized and painted with PU paint in closed paint chamber with heating treatment in chamber. Make: Surya				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.03 (2nd R.A Bill Qty)	50.000			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.08 (3rd R.A Bill Qty)	15.000			
	Total	65.000	Nos	Rs. 64,000.00	Rs. 4,160,000.00

2.02	Supply of Decorative Luminaires for Urban lighting, body made of painted spun aluminum. The protector is made of polycarbonate grade UVresistant (IK 08). Permanently sealed optical compartment with IP66 protection. Luminaire offers tool free access to gear compartment with IP44 protection. Luminaire can be installed as a suspended luminaire. The luminaire is equipped with the LensoFlex2® technology photometric system. PMMA lenses with wide photometry for increased pole spacing. Fixture is having a surge protection of 10KA. Electronic driver is having power factor>0.90*, THD<20*% and input voltage range from 120-227V AC at 50Hz. Luminaire efficacy is 100 lm/ watt system lumen greater than 7500 lumens in CCT range of 4000 as per ANSI. System life of 50000 burning hours with 70% of initial lumens maintained. Luminaire is suitable for operating temperature (Ta) from -20 to 50c. Driver can withstand 320V AC for 48 hours and 360V AC for 2 hours. Make: Surya SLE PT 75W VEGA				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.03 (2nd R.A Bill Qty)	50.000			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.09 (3rd R.A Bill Qty)	15.000			
	Total	**65.000**	**Nos**	**Rs. 40,000.00**	**Rs. 2,600,000.00**
2.03	Supply of Decorative Luminaires for Urban lighting, body made of painted spun aluminum. The protector is made of polycarbonate grade UVresistant (IK 08). Permanently sealed optical compartment with IP66 protection. Luminaire offers tool free access to gear compartment with IP44 protection. Luminaire can be installed as a suspended luminaire. The luminaire is equipped with the LensoFlex2® technology photometric system. PMMA lenses with wide photometry for increased pole spacing. Fixture is having a surge protection of 10KA. Electronic driver is having power factor>0.90*, THD<20*% and input voltage range from 120-227V AC at 50Hz. Luminaire efficacy is 100 lm/ watt system lumen greater than 7500 lumens in CCT range of 4000 as per ANSI. System life of 50000 burning hours with 70% of initial lumens maintained. Luminaire is suitable for operating temperature (Ta) from -20 to 50c. Driver can withstand 320V AC for 48 hours and				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.04 (2nd R.A Bill Qty)	50.000			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.09 (3rd R.A Bill Qty)	15.000			
	Total	**65.000**	**Nos**	**Rs. 33,500.00**	**Rs. 2,177,500.00**
2.04	Providing of XLPE (IS:7098) (I)-88 ISI armoured cable multistrand Aluminium conductor for 1.1 KV. to be laid on wall with necessary clamps or in existing trench/ pipe of 4 core 16 Sq.mm cable.				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.04 (2nd R.A Bill Qty)	1500.000	1750.00X275 =		536250.00
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.09 (3rd R.A Bill Qty)	1500.000	1050.00X206.25 =		216562.50
	Total	**3000.000**	**Mtr**	**Rs. 275.00**	**Rs. 825,000.00**
					752812.50

2.05	Supply of 50mm DWC pipes of approved make for covering of cable.				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.04 (2nd R.A Bill Qty)	1200.000			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.10 (3rd R.A Bill Qty)	1200.000			
	Total	2400.000	Mtr	Rs. 230.00	Rs. 552,000.00
2.06	Supply of Flexible PVC insulated multistrand multicore 1.1 kv grade ISI marked copper wires of following size to be erected as directed 1.50 Sq.mm 3 core round PVC sheathed.				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.04 (2nd R.A Bill Qty)	700.000			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.10 (3rd R.A Bill Qty)	700.000			
	Total	1400.000	Mtr	Rs. 255.00	Rs. 357,000.00
				Total Workdone Amount	Rs. 27,746,853.53
	Secured Advance against the materials brought at site				
1.09	Material Laying at site - Steel TMT bars of size 8mm, 10mm, 12mm, 16mm and 20mm restricted to 90% of element cost	216020.00	Kg	Rs. 49.50	Rs. 10,692,990.00
				Total Gross Value	Rs. 38,439,843.53
				Paid in 2nd RA Bill	Rs. 19,024,930.00
				Paid in 3rd RA Bill	Rs. 14,369,518.00
				Paid in 4th RA Bill	Rs. 2,420,254.00
				Gross Value of 5th RA Bill	Rs. 2,625,141.53
				SAY	Rs. 2,625,142.00

RECOVERY DETAILS

			Gross Value (A)	
(i)	Schedule B Aggregates (-)			Rs. 215,190.00
(ii)	Material Laying at site - Steel			Rs. 424,990.00
(iii)	Security deposit @ 2.5% on Total Gross Value			
	a) Already recovered in 2nd RA Bill	960996.00		
	b) Already recovered in 3rd RA Bill	475623.00		
	c) Already recovered in 4th RA Bill	359238.00		
	d) To be recovered in this bill	60506.54		Rs. 65,628.54
		Rs. 65,628.54		
(iv)	IT @ 2% on Total Gross Value	768796.57		
	a) Already recovered in 1st RA Bill	99751.00		
	b) Already recovered in 2nd RA Bill	380199.00		
	c) Already recovered in 3rd RA Bill	287389.00		
	d) Already recovered in 4th RA Bill	48405.57		Rs. 17,248.21
	e) To be recovered in this bill	Rs. 17,248.21		
(v)	Labour Welfare Cess @ 1% on Total Gross Value	384398.44		
	a) Already recovered in 2nd RA Bill	190249.00		
	b) Already recovered in 3rd RA Bill	143695.00		
	c) Already recovered in 4th RA Bill	24203.02		Rs. 26,251.42
	d) To be recovered in this bill	Rs. 26,251.42		

(vi)	UGST @ 1% on Total Gross Value	384398.44	
	a) Already recovered in 1st RA Bill	49875.50	
	b) Already recovered in 2nd RA Bill	190249.50	
	c) Already recovered in 3rd RA Bill	143695.00	
	d) Already recovered in 4th RA Bill	24202.52	
	e) To be recovered in this bill	-Rs. 23,624.08	-Rs. 23,624.08
(vii)	CGST @ 1% on Total Gross Value	384398.44	
	a) Already recovered in 1st RA Bill	49875.50	
	b) Already recovered in 2nd RA Bill	190249.50	
	c) Already recovered in 3rd RA Bill	143695.00	
	d) Already recovered in 4th RA Bill	24202.52	
	e) To be recovered in this bill	-Rs. 23,624.08	-Rs. 23,624.08
		Total Recovery (B)	Rs. 638,563.59
		Net Amount Payable in this Bill (A-B)	Rs. 1,980,578.41
		Says	Rs. 1,986,578.00

Net Amount in words:- (Rupees Nineteen Lakhs Eighty Six Thousand Five Hundred Seventy Eight Only)

Certified that:-

1. The work has been executed as per terms and conditions of the agreement.
2. No material and T & P has been issued from the Department.
3. Own arrangements for water has been made.
4. No Labour Complaints has been received.
5. Requisite technical staff has been employed as per agreement.
6. Up to date recoveries have been effected in this bill.
7. All Mandatory Test have been conducted.

Signature of the Contractor

Signature of the AE

Signature of the EE (Works)

Ref. Page No: 1 to 9 of RAB.

Authority :- 01(PBSPL) of 2020-2021

N.O.W :- marine esplanade .- marina road restructuring with Uniforms carriage way walking track Street lighting. street furniture, Service core trenching and land scaping.

Agency :- M/s Surendra Infrastructure (P) Ltd.

Total Gross value of work done → 3,82,41,439/-
Already paid upto 4th RA Bill → 3,58,14,702/-

Gross value of 5th RA Bill → 24,26,737/-

Ded

(i) S/deposit @ 2.5% on Gtv → 956036/-
Already deducted upto 4th RA Bill → 895368/-
Now to be deducted → 60668/-

(ii) ITax @ 2% on Gtv → 764829/-
Already deducted upto 4th RA Bill → 716294/-
Now to be deducted → 48535/-
IT deduction to be adjusted less → 39900/-
Recovery of mobilization advance of ₹= 1995024/- (BG no. 82/2020 amounting of ₹= 1097000/- For advance of ₹= 997512/- & BG no. 84/2020 amounting to ₹= 1097000/- for advance of ₹=997512/-
Actual IT to be deducted NOW → 8685/-

THEORETICAL STATEMENT

Name of Work:- Marine esplanade: Marina road restructuring with uniform carriage way, walking track, street lighting, street furniture, service core trenching and land scaping.

Agreement No :- 01 (PBSPL) of 2020-21

Agency :- M/s. Surendra Infrastructure (P) Ltd.

S.No	Sch Item No.	Description of Items	Quantity	Unit	Coefficient	Quantity	Schedule B Rates in figures material will be charged	Amount
1	1.04	PCC 1:4:8	8.928	Cum				
		Cement		Bags	3.410	30.444	0.00	0.00
		Pulverised Sand		Cum	0.470	4.196	1567.91	6578.95
		Stone aggregates 40mm		Cum	0.950	8.482	1466.76	12441.06
2	1.08	M-40	111.201	Cum				
		Cement		Bags	8.840	983.017	0.00	0.00
		Pulverised Sand		Cum	0.454	50.485	1567.91	79155.94
		Stone aggregates 20mm		Cum	0.277	30.803	1516.82	46722.61
		Stone aggregates 12.5mm		Cum	0.415	46.148	1544.84	71291.28
							Total Amount	**216189.84**
							Says	**216190.00**

Junior Engineer-III (Works)
PBMC

i) Labour cess @ 1% on GRV → 382414/-
Already deducted upto 4th RA Bill → 358147/-
now to be deducted → 24267/-

ii) TDS on GST @2% on GRV → 764829/-
Already deducted upto 4th RA Bill → 716294/-
now to be deducted → 48535/-
TDS deduction to be adjusted less → 39900/-
Recovery of mobilization advance
of ₹= 1995024/- LBG NO: 82/2020
amounting of ₹= 1097000/- for advance.
of ₹= 997512/- & BG NO: 84/2020
amounting of ₹= 1097000/- for advance
of ₹= 997512
Actual TDS deducted now → 8635

cont-4

(v) Schedule B Aggregates (-) → 216190/-

(vi) Material laying at site-3ted → 424990/=

Total deductions → 743385/-

Net payable Amount → 1683352/=

5th RA Bill in respect of M/s Surendra Infrastructure (P) Ltd. against Agt. No: 01/PBSPL/2020-2021 is passed for ₹= 24,26,737/- (Rupees Twenty four Lakhs Twenty six thousand seven hundred thirty seven only).

Executive Engineer - III (NOC)
Municipal Council
Port Blair

payment released for ₹= 1683352/=

Account Officer - III
Municipal Council
Port Blair

2350925

Secured Advance against the materials brought at site

Name of Work:- Marine esplanade: Marina road restructuring with uniform carriage way, walking track, street lighting, street furniture, service core trenching and land scaping.

Agreement No :- 01 (PBSPL) of 2020-21

Agency :- M/s. Surendra Infrastructure (P) Ltd.

S.No	Sch Item No.	Description of Items	Quantity	Unit	Rate Allowed	Amount
1	1.09	Steel TMT Bars	8585.653	Kgs	49.5	424989.824
					Total Amount	**424989.82**
					Say	**424990.00**

Junior Engineer-III (Works)
PBMC

Division:- Executive Engineer-III (SWM/MC), Port Blair Municipal Council, Port Blair

(6th R.A BILL)

COMPUTERIZED MEASUREMENT BOOK

(ABSTRACT)

CMB No:- 241/EE-III/SWM/MC/2020-21

Name of Work: - Marine esplanade: Marina road restructuring with uniform carriage way, walking track, street lighting, street furniture, service core trenching and land scaping.

Name of Contractor: - M/s. Surendra Infrastructure (P) Ltd.

Agreement No.: - 01 (PBSPL) of 2020-2021

Certified that this Computerized measurement book bearing no.241/EE-III/SWM/MC/2020-21 contains **13** leaves serially numbered from pages 01 to 13 and two blank pages without any damage.

Signature of
Contractor

Signature of
Assistant Engineer

Signature of
Executive Engineer

ABSTRACT OF COST

(6th R.A Bill)

Name of Work:- Marine esplanade: Marina road restructuring with uniform carriage way, walking track, street lighting, street furniture, service core trenching and land scaping.

Agreement No. :- 01 (PBSPL) of 2020-2021

Name of Agency :- M/s. Surendra Infrastructure (P) Ltd.

Date of Commencement:- 07.12.2020

Date of Completion:- In Progress

Reference to previous measurement, if any :- NIL

Serial no of this bill :- 6th RA Bill

Date of Abstract:-

Item No.	Particulars	Quantity	Unit	Rate	Amount
1	**CIVIL WORKS**				
1.01	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m. a) All kinds of soil.				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.01 (2nd R.A Bill Qty)	17.617			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.01 (3rd R.A Bill Qty)	139.362			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.01 (4th R.A Bill Qty)	54.283			
	Total	**211.262**	**Cum**	**Rs. 225.00**	**Rs. 47,533.95**
1.04	Proving and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:4:8 (1 Cement : 4 coarse sand (Zone III) : 8 graded stone aggregate 40 mm nominal size)				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.01 (2nd R.A Bill Qty)	11.242			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.02 (3rd R.A Bill Qty)	85.005			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.01 (4th R.A Bill Qty)	11.369			
	Qty b/f CMB No.235/EE-III/SWM/MC/2020-21 vide page no.01 (5th R.A Bill Qty)	8.928			
	Qty b/f CMB No.240/EE-III/SWM/MC/2020-21 vide page no.15 (6th R.A Bill Qty)	0.912			
	Qty b/f CMB No.240/EE-III/SWM/MC/2020-21 vide page no.17 (6th R.A Bill Qty)	0.704			
	Qty b/f CMB No.240/EE-III/SWM/MC/2020-21 vide page no.27 (6th R.A Bill Qty)	0.704			
	Qty b/f CMB No.240/EE-III/SWM/MC/2020-21 vide page no.29 (6th R.A Bill Qty)	0.544			
	Total	**119.408**	**Cum**	**Rs. 9,250.00**	**Rs. 1,104,524.00**

1.05	Providing and laying in position machine batched and machine mixed design mix M-25 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying but excluding the cost of centering, shuttering, finishing and reinforcement, including admixtures in recommended proportions as per IS: 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer-in-charge."(Note :- Cement content considered in this item is @ 330 kg/cum."Excess/ less cement used as per design mix is payable/recoverable separately). All works upto plinth level				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.01 (2nd R.A Bill Qty)	10.528			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.03 (3rd R.A Bill Qty)	320.952			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.02 (4th R.A Bill Qty)	59.176			
	Qty b/f CMB No.235/EE-III/SWM/MC/2020-21 vide page no.02 (5th R.A Bill Qty)	58.454			
	Qty b/f CMB No.240/EE-III/SWM/MC/2020-21 vide page no.16 (6th R.A Bill Qty)	3.180			
	Qty b/f CMB No.240/EE-III/SWM/MC/2020-21 vide page no.18 (6th R.A Bill Qty)	2.400			
	Qty b/f CMB No.240/EE-III/SWM/MC/2020-21 vide page no.19 (6th R.A Bill Qty)	2.147			
	Qty b/f CMB No.240/EE-III/SWM/MC/2020-21 vide page no.21 (6th R.A Bill Qty)	1.620			
	Qty b/f CMB No.240/EE-III/SWM/MC/2020-21 vide page no.28 (6th R.A Bill Qty)	2.400			
	Qty b/f CMB No.240/EE-III/SWM/MC/2020-21 vide page no.30 (6th R.A Bill Qty)	1.800			
	Qty b/f CMB No.240/EE-III/SWM/MC/2020-21 vide page no.31 (6th R.A Bill Qty)	1.620			
	Qty b/f CMB No.240/EE-III/SWM/MC/2020-21 vide page no.33 (6th R.A Bill Qty)	1.215			
	Total	**465.492**	**Cum**	**Rs. 11,000.00**	**Rs. 5,120,412.00**
1.06	Extra for laying RCC in or under water and/or liquid mud, including cost of pumping or bailing out water and removing slush etc., complete.		202.80 X 650 =		131820.00
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.03 (3rd R.A Bill Qty)	320.702	117.902 X 487.50 =		57477.23
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.02 (4th R.A Bill Qty)	80.263	80.263 X 487.50 =		39128.21
	Qty b/f CMB No.235/EE-III/SWM/MC/2020-21 vide page no.2 (5th R.A Bill Qty)	89.10	89.103 X 487.50 =		43438.20
	Qty b/f CMB No.240/EE-III/SWM/MC/2020-21 vide page no.20 (6th R.A Bill Qty)	8.082	8.082 X 487.50 =		3939.98
	Qty b/f CMB No.240/EE-III/SWM/MC/2020-21 vide page no.22 (6th R.A Bill Qty)	6.115	6.115 X 487.50 =		2981.06
	Qty b/f CMB No.240/EE-III/SWM/MC/2020-21 vide page no.32 (6th R.A Bill Qty)	6.115	6.115 X 487.50 =		2981.06
	Qty b/f CMB No.240/EE-III/SWM/MC/2020-21 vide page no.34 (6th R.A Bill Qty)	4.602	4.602 X 487.50 =		2243.48
	Total	**514.982**	**Cum**	**Rs. 650.00**	**Rs. 334,738.30**

284009.22

1.07	Providing and laying in position machine batched and machine mixed design mix M-25 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying but excluding the cost of centering, shuttering, finishing and reinforcement, including admixtures in recommended proportions as per IS: 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer-in-charge."(Note :- Cement contentconsidered in this item is @ 330 kg/cum."Excess/ less cement used as per design mix is payable/recoverable separately). All works above plinth level upto floor V level				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.02 (2nd R.A Bill Qty)	14.812			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.04 (3rd R.A Bill Qty)	222.185			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.03 (4th R.A Bill Qty)	52.226			
	Qty b/f CMB No.235/EE-III/SWM/MC/2020-21 vide page no.03 (5th R.A Bill Qty)	52.747			
	Qty b/f CMB No.240/EE-III/SWM/MC/2020-21 vide page no.02 (6th R.A Bill Qty)	11.703			
	Qty b/f CMB No.240/EE-III/SWM/MC/2020-21 vide page no.03 (6th R.A Bill Qty)	11.703			
	Qty b/f CMB No.240/EE-III/SWM/MC/2020-21 vide page no.04 (6th R.A Bill Qty)	11.703			
	Qty b/f CMB No.240/EE-III/SWM/MC/2020-21 vide page no.06 (6th R.A Bill Qty)	10.341			
	Qty b/f CMB No.240/EE-III/SWM/MC/2020-21 vide page no.08 (6th R.A Bill Qty)	10.341			
	Qty b/f CMB No.240/EE-III/SWM/MC/2020-21 vide page no.10 (6th R.A Bill Qty)	10.341			
	Qty b/f CMB No.240/EE-III/SWM/MC/2020-21 vide page no.12 (6th R.A Bill Qty)	10.341			
	Qty b/f CMB No.240/EE-III/SWM/MC/2020-21 vide page no.19 (6th R.A Bill Qty)	1.843			
	Qty b/f CMB No.240/EE-III/SWM/MC/2020-21 vide page no.22 (6th R.A Bill Qty)	1.391			
	Qty b/f CMB No.240/EE-III/SWM/MC/2020-21 vide page no.24 (6th R.A Bill Qty)	1.922			
	Qty b/f CMB No.240/EE-III/SWM/MC/2020-21 vide page no.25 (6th R.A Bill Qty)	1.450			
	Qty b/f CMB No.240/EE-III/SWM/MC/2020-21 vide page no.31 (6th R.A Bill Qty)	1.391			
	Qty b/f CMB No.240/EE-III/SWM/MC/2020-21 vide page no.34 (6th R.A Bill Qty)	1.043			
	Qty b/f CMB No.240/EE-III/SWM/MC/2020-21 vide page no.35 (6th R.A Bill Qty)	1.450			
	Qty b/f CMB No.240/EE-III/SWM/MC/2020-21 vide page no.37 (6th R.A Bill Qty)	1.088			
	Qty b/f CMB No.240/EE-III/SWM/MC/2020-21 vide page no.39 (6th R.A Bill Qty)	1.882			
	Qty b/f CMB No.240/EE-III/SWM/MC/2020-21 vide page no.41 (6th R.A Bill Qty)	1.420			
	Qty b/f CMB No.240/EE-III/SWM/MC/2020-21 vide page no.43 (6th R.A Bill Qty)	1.420			
	Qty b/f CMB No.240/EE-III/SWM/MC/2020-21 vide page no.45 (6th R.A Bill Qty)	1.065			
	Total	**435.808**	**Cum**	**Rs. 11,400.00**	**Rs. 4,968,211.20**

	Providing M-25 grade concrete. (Note : Cement content considered as per Design Mix M25 - 343 kg/cbm approved.				
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.05 (3rd R.A Bill Qty)	2003.625			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.03 (4th R.A Bill Qty)	389.337			
	Total	**2392.962**	**Kg**	**Rs. 10.00**	**Rs. 23,929.62**
1.08	Extra for providing richer mixes at all floor levels. Note:- Excess/less cement over the specified cement content used is payable / recoverable separately. Providing M-40 grade concrete instead of M-25 grade BMC/RMC. (Note : Cement content considered in M-40 is @ 360 kg/cum)				
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.05 (3rd R.A Bill Qty)	414.336			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.03 (4th R.A Bill Qty)	81.453			
	Qty b/f CMB No.235/EE-III/SWM/MC/2020-21 vide page no.03 (5th R.A Bill Qty)	111.201			
	Qty b/f CMB No.240/EE-III/SWM/MC/2020-21 vide page no.04 (6th R.A Bill Qty)	35.109			
	Qty b/f CMB No.240/EE-III/SWM/MC/2020-21 vide page no.13 (6th R.A Bill Qty)	41.364			
	Qty b/f CMB No.240/EE-III/SWM/MC/2020-21 vide page no.20 (6th R.A Bill Qty)	7.170			
	Qty b/f CMB No.240/EE-III/SWM/MC/2020-21 vide page no.23 (6th R.A Bill Qty)	5.411			
	Qty b/f CMB No.240/EE-III/SWM/MC/2020-21 vide page no.24 (6th R.A Bill Qty)	1.922			
	Qty b/f CMB No.240/EE-III/SWM/MC/2020-21 vide page no.25 (6th R.A Bill Qty)	1.450			
	Qty b/f CMB No.240/EE-III/SWM/MC/2020-21 vide page no.32 (6th R.A Bill Qty)	5.410			
	Qty b/f CMB No.240/EE-III/SWM/MC/2020-21 vide page no.34 (6th R.A Bill Qty)	4.058			
	Qty b/f CMB No.240/EE-III/SWM/MC/2020-21 vide page no.36 (6th R.A Bill Qty)	1.450			
	Qty b/f CMB No.240/EE-III/SWM/MC/2020-21 vide page no.37 (6th R.A Bill Qty)	1.088			
	Qty b/f CMB No.240/EE-III/SWM/MC/2020-21 vide page no.45 (6th R.A Bill Qty)	5.787			
	Total	**717.209**	**Cum**	**Rs. 320.00**	**Rs. 229,506.88**
	Extra for providing richer mixes M-40 grade concrete. (Note : Cement content considered as per Design Mix M40 - 442 kg/cbm approved.				
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.05 (3rd R.A Bill Qty)	33975.552			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.03 (4th R.A Bill Qty)	6679.146			
	Qty b/f CMB No.235/EE-III/SWM/MC/2020-21 vide page no.03 (5th R.A Bill Qty)	9118.482			

	Extra for providing richer mixes M-40 grade concrete. (Note : Cement content considered as per Design Mix M40 - 442 kg/cbm approved. (Qty - 110.219 Cum) Cement Qty = 110.219 x 442 = 48716.798 Kg = 110.219 x 360 = 39678.840 Kg Difference Qty = 9037.958 Kg	9037.958			
1.09	Total	58811.138	Kg	Rs. 10.00	Rs. 588,111.38
	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level. A) Thermo-Mechanically Treated bars of grade Fe-500D or more.				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.02 (2nd R.A Bill Qty)	1051.813			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.05 (3rd R.A Bill Qty)	31310.281			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.04 (4th R.A Bill Qty)	6545.698			
	Qty b/f CMB No.235/EE-III/SWM/MC/2020-21 vide page no.04 (5th R.A Bill Qty)	8585.653			
	Qty b/f CMB No.240/EE-III/SWM/MC/2020-21 vide page no.05 (6th R.A Bill Qty)	423.385			
	Qty b/f CMB No.240/EE-III/SWM/MC/2020-21 vide page no.05 (6th R.A Bill Qty)	185.748			
	Qty b/f CMB No.240/EE-III/SWM/MC/2020-21 vide page no.07 (6th R.A Bill Qty)	423.385			
	Qty b/f CMB No.240/EE-III/SWM/MC/2020-21 vide page no.07 (6th R.A Bill Qty)	185.748			
	Qty b/f CMB No.240/EE-III/SWM/MC/2020-21 vide page no.09 (6th R.A Bill Qty)	423.385			
	Qty b/f CMB No.240/EE-III/SWM/MC/2020-21 vide page no.09 (6th R.A Bill Qty)	185.748			
	Qty b/f CMB No.240/EE-III/SWM/MC/2020-21 vide page no.11 (6th R.A Bill Qty)	423.385			
	Qty b/f CMB No.240/EE-III/SWM/MC/2020-21 vide page no.11 (6th R.A Bill Qty)	185.748			
	Qty b/f CMB No.240/EE-III/SWM/MC/2020-21 vide page no.14 (6th R.A Bill Qty)	261.274			
	Qty b/f CMB No.240/EE-III/SWM/MC/2020-21 vide page no.15 (6th R.A Bill Qty)	326.155			
	Qty b/f CMB No.240/EE-III/SWM/MC/2020-21 vide page no.16 (6th R.A Bill Qty)	197.466			
	Qty b/f CMB No.240/EE-III/SWM/MC/2020-21 vide page no.17 (6th R.A Bill Qty)	261.866			
	Qty b/f CMB No.240/EE-III/SWM/MC/2020-21 vide page no.26 (6th R.A Bill Qty)	197.466			
	Qty b/f CMB No.240/EE-III/SWM/MC/2020-21 vide page no.27 (6th R.A Bill Qty)	261.866			
	Qty b/f CMB No.240/EE-III/SWM/MC/2020-21 vide page no.28 (6th R.A Bill Qty)	148.003			
	Qty b/f CMB No.240/EE-III/SWM/MC/2020-21 vide page no.29 (6th R.A Bill Qty)	204.212			
	Qty b/f CMB No.240/EE-III/SWM/MC/2020-21 vide page no.38 (6th R.A Bill Qty)	85.095			
	Qty b/f CMB No.240/EE-III/SWM/MC/2020-21 vide page no.38 (6th R.A Bill Qty)	37.359			

	Qty b/f CMB No.240/EE-III/SWM/MC/2020-21 vide page no.40 (6th R.A Bill Qty)	68.417			
	Qty b/f CMB No.240/EE-III/SWM/MC/2020-21 vide page no.40 (6th R.A Bill Qty)	27.642			
	Qty b/f CMB No.240/EE-III/SWM/MC/2020-21 vide page no.42 (6th R.A Bill Qty)	68.417			
	Qty b/f CMB No.240/EE-III/SWM/MC/2020-21 vide page no.42 (6th R.A Bill Qty)	27.642			
	Qty b/f CMB No.240/EE-III/SWM/MC/2020-21 vide page no.44 (6th R.A Bill Qty)	54.581			
	Qty b/f CMB No.240/EE-III/SWM/MC/2020-21 vide page no.44 (6th R.A Bill Qty)	21.472			
	Qty b/f CMB No.240/EE-III/SWM/MC/2020-21 vide page no.46 (6th R.A Bill Qty)	1324.998			
	Qty b/f CMB No.240/EE-III/SWM/MC/2020-21 vide page no.47 (6th R.A Bill Qty)	1541.475			
	Qty b/f CMB No.240/EE-III/SWM/MC/2020-21 vide page no.48 (6th R.A Bill Qty)	512.653			
	Total	**55558.035**	**Kg**	**Rs. 91.00**	**Rs. 5,055,781.19**
1.11	Centering and shuttering including strutting, propping etc. and removal of form work for : Foundations, footings, bases for columns				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.02 (2nd R.A Bill Qty)	50.400			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.07 (3rd R.A Bill Qty)	267.000			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.04 (4th R.A Bill Qty)	23.630			
	Qty b/f CMB No.235/EE-III/SWM/MC/2020-21 vide page no.04 (5th R.A Bill Qty)	26.800			
	Qty b/f CMB No.240/EE-III/SWM/MC/2020-21 vide page no.15 (6th R.A Bill Qty)	3.320			
	Qty b/f CMB No.240/EE-III/SWM/MC/2020-21 vide page no.17 (6th R.A Bill Qty)	2.800			
	Qty b/f CMB No.240/EE-III/SWM/MC/2020-21 vide page no.27 (6th R.A Bill Qty)	2.800			
	Qty b/f CMB No.240/EE-III/SWM/MC/2020-21 vide page no.29 (6th R.A Bill Qty)	2.400			
	Total	**379.150**	**Sqm**	**Rs. 340.00**	**Rs. 128,911.00**
1.12	Centering and shuttering including strutting, propping etc. and removal of form work for : Retaining walls, return walls, walls (any thickness) including attached pilasters, butteresses, plinth and string courses fillets, kerbs and steps etc.				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.02 (2nd R.A Bill Qty)	142.478			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.08 (3rd R.A Bill Qty)	1784.236			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.04 (4th R.A Bill Qty)	542.815			
	Qty b/f CMB No.235/EE-III/SWM/MC/2020-21 vide page no.05 (5th R.A Bill Qty)	234.276			
	Qty b/f CMB No.240/EE-III/SWM/MC/2020-21 vide page no.01 (6th R.A Bill Qty)	46.898			
	Qty b/f CMB No.240/EE-III/SWM/MC/2020-21 vide page no.03 (6th R.A Bill Qty)	46.898			

	Qty b/f CMB No.240/EE-III/SWM/MC/2020-21 vide page no.04 (6th R.A Bill Qty)	46.898			
	Qty b/f CMB No.240/EE-III/SWM/MC/2020-21 vide page no.06 (6th R.A Bill Qty)	41.918			
	Qty b/f CMB No.240/EE-III/SWM/MC/2020-21 vide page no.08 (6th R.A Bill Qty)	41.918			
	Qty b/f CMB No.240/EE-III/SWM/MC/2020-21 vide page no.10 (6th R.A Bill Qty)	41.918			
	Qty b/f CMB No.240/EE-III/SWM/MC/2020-21 vide page no.12 (6th R.A Bill Qty)	41.918			
	Qty b/f CMB No.240/EE-III/SWM/MC/2020-21 vide page no.18 (6th R.A Bill Qty)	8.162			
	Qty b/f CMB No.240/EE-III/SWM/MC/2020-21 vide page no.21 (6th R.A Bill Qty)	6.529			
	Qty b/f CMB No.240/EE-III/SWM/MC/2020-21 vide page no.23 (6th R.A Bill Qty)	7.535			
	Qty b/f CMB No.240/EE-III/SWM/MC/2020-21 vide page no.24 (6th R.A Bill Qty)	5.865			
	Qty b/f CMB No.240/EE-III/SWM/MC/2020-21 vide page no.30 (6th R.A Bill Qty)	6.529			
	Qty b/f CMB No.240/EE-III/SWM/MC/2020-21 vide page no.33 (6th R.A Bill Qty)	5.273			
	Qty b/f CMB No.240/EE-III/SWM/MC/2020-21 vide page no.35 (6th R.A Bill Qty)	5.865			
	Qty b/f CMB No.240/EE-III/SWM/MC/2020-21 vide page no.36 (6th R.A Bill Qty)	4.580			
	Qty b/f CMB No.240/EE-III/SWM/MC/2020-21 vide page no.39 (6th R.A Bill Qty)	7.839			
	Qty b/f CMB No.240/EE-III/SWM/MC/2020-21 vide page no.41 (6th R.A Bill Qty)	6.090			
	Qty b/f CMB No.240/EE-III/SWM/MC/2020-21 vide page no.43 (6th R.A Bill Qty)	6.090			
	Qty b/f CMB No.240/EE-III/SWM/MC/2020-21 vide page no.45 (6th R.A Bill Qty)	4.745			
	Total	**3087.271**	**Sqm**	**Rs. 570.00**	**Rs. 1,759,745**
1.13	Centering and shuttering including strutting, propping etc. and removal of form for all heights : Extra for shuttering in circular work (20% of respective centering and shutttering items)				
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.05 (4th R.A Bill Qty)	50.597			
	Qty b/f CMB No.235/EE-III/SWM/MC/2020-21 vide page no.05 (5th R.A Bill Qty)	37.948			
	Qty b/f CMB No.240/EE-III/SWM/MC/2020-21 vide page no.13 (6th R.A Bill Qty)	50.597			
	Qty b/f CMB No.240/EE-III/SWM/MC/2020-21 vide page no.50 (6th R.A Bill Qty)	9.152			
	Total	**148.294**	**Sqm**	**Rs. 150.00**	**Rs. 22,244.10**
1.2	Demolishing cement concrete manually/ by mechanical means and disposal of material within 50 metres lead as per direction of Engineerin-charge. cum Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix)				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.03 (2nd R.A Bill Qty)	2.963			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.08 (3rd R.A Bill Qty)	65.457			
	Total	**68.420**	**Cum**	**Rs. 1,100.00**	**Rs. 75,262.00**

2	**ELECTRICAL WORKS**				
2.01	Supply of 8 Mtr. height decorative Chatsworth pole having cast iron decorative base and pipe dia of 165mm dia & 1 mtr long with cast iron reducer joining with 101mm OD straight pipe. Pole shall be mounted on square base plate. Decorative Cascade bracket with 940mm height mounted on pole. Pole and two brackets at differential height shall be galvanized and painted with PU paint in closed paint chamber with heating treatment in chamber. Make: Surya				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.03 (2nd R.A Bill Qty)	50.000			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.08 (3rd R.A Bill Qty)	15.000			
	Total	**65.000**	**Nos**	**Rs. 64,000.00**	**Rs. 4,160,000.00**
2.02	Supply of Decorative Luminaires for Urban lighting, body made of painted spun aluminum, The protector is made of polycarbonate grade UVresistant (IK 08), Permanently sealed optical compartment with IP66 protection. Luminaire offers tool free access to gear compartment with IP44 protection. Luminaire can be installed as a suspended luminaire. The luminaire is equipped with the LensoFlex2® technology photometric system. PMMA lenses with wide photometry for increased pole spacing. Fixture is having a surge protection of 10KA. Electronic driver is having power factor>0.90*, THD<20*% and input voltage range from 120-227V AC at 50Hz. Luminaire efficacy is 100 im/ watt system lumen greater than 7500 lumens in CCT range of 4000 as per ANSI. System life of 50000 burning hours with 70% of initial lumens maintained. Luminaire is suitable for operating temperature (Ta) from -20 to 50c. Driver can withstand 320V AC for 48 hours and 360V AC for 2 hours. Make: Surya SLE PT 75W VEGA				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.03 (2nd R.A Bill Qty)	50.000			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.09 (3rd R.A Bill Qty)	15.000			
	Total	**65.000**	**Nos**	**Rs. 40,000.00**	**Rs. 2,600,000.00**
2.03	Supply of Decorative Luminaires for Urban lighting, body made of painted spun aluminum, The protector is made of polycarbonate grade UVresistant (IK 08), Permanently sealed optical compartment with IP66 protection. Luminaire offers tool free access to gear compartment with IP44 protection. Luminaire can be installed as a suspended luminaire. The luminaire is equipped with the LensoFlex2® technology photometric system. PMMA lenses with wide photometry for increased pole spacing. Fixture is having a surge protection of 10KA. Electronic driver is having power factor>0.90*, THD<20*% and input voltage range from 120-227V AC at 50Hz. Luminaire efficacy is 100 im/ watt system lumen greater than 7500 lumens in CCT range of 4000 as per ANSI. System life of 50000 burning hours with 70% of initial lumens maintained. Luminaire is suitable for operating temperature (Ta) from -20 to 50c. Driver can withstand 320V AC for 48 hours and				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.04 (2nd R.A Bill Qty)	50.000			

	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.09 (3rd R.A Bill Qty)	15.000			
2.04	Providing of XLPE (IS:7098) (I)-88 ISI armoured cable multistrand Aluminium conductor for 1.1 KV. to be laid on wall with necessary clamps or in existing trench/ pipe of 4 core 16 Sq.mm cable. **Total**	65.000	Nos	Rs. 33,500.00	Rs. 2,177,500.00
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.04 (2nd R.A Bill Qty)	1500.000	1950.00 X 275 =		536250.00
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.09 (3rd R.A Bill Qty)	1500.000	1050.00 X 206.25 =		216562.50
2.05	Supply of 50mm DWC pipes of approved make for covering of cable. **Total**	3000.000	Mtr	Rs. 275.00	Rs. 825,000.00
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.04 (2nd R.A Bill Qty)	1200.000	1560.00 X 230 =		752812.50 358800.00
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.10 (3rd R.A Bill Qty)	1200.000	840.00 X 172.50 =		144900.00
2.06	Supply of Flexible PVC insulated multistrand multicore 1.1 kv grade ISI marked copper wires of following size to be erected as directed 1.50 Sq.mm 3 core round PVC sheathed. **Total**	2400.000	Mtr	Rs. 230.00	Rs. 552,000.00
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.04 (2nd R.A Bill Qty)	700.000	910.00 X 255 =		503700.00 232050.00
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.10 (3rd R.A Bill Qty)	700.000	490.00 X 191.25 =		93712.50 325762.50
	Total	1400.000	Mtr	Rs. 255.00	Rs. 357,000.00
				Total Workdone Amount	Rs. 30,130,410.09
	Secured Advance against the materials brought at site				29927955.55
1.09	**Material Laying at site - Steel** TMT bars of size 8mm, 10mm, 12mm, 16mm and 20mm restricted to 90% of element cost	216020.00	Kg	Rs. 49.50	40620945/- Rs. 10,692,990.00 40620945.52
				Total Gross Value	Rs. 40,823,400.09
				Paid in 2nd RA Bill	Rs. 19,024,930.00
				Paid in 3rd RA Bill	Rs. 14,369,518.00
				Paid in 4th RA Bill	Rs. 2,420,254.00
				Paid in 5th RA Bill	Rs. 2,426,735.00
				Gross Value of 6th RA Bill	Rs. 2,581,963.09 2379508
				SAY	Rs. 2,581,963.00

		2379507/ =		2379507.00
	RECOVERY DETAILS	2379508/-		2379508.00
			Gross Value (A)	Rs. 2,581,963.00
(i)	Schedule B Aggregates (-)			Rs. 201,532.00
(ii)	Material Laying at site - Steel			Rs. 399,197.00
(iii)	Security deposit @ 2.5% on Total Gross Value	1020585.00	1015524.00	
	a) Already recovered in 2nd RA Bill	475623.00		
	b) Already recovered in 3rd RA Bill	359238.00		
	c) Already recovered in 4th RA Bill	60506.50		
	d) Already recovered in 5th RA Bill	60668.50		59488.00
	e) To be recovered in this bill	Rs. 64,549.06		Rs. 64,549.06

(iv)	IT @ 2% on Total Gross Value	816468.00	812419.80		
	a) Already recovered in 1st RA Bill	99751.00			
	b) Already recovered in 2nd RA Bill	380499.00			
	c) Already recovered in 3rd RA Bill	287390.00			
	d) Already recovered in 4th RA Bill	48405.00			
	e) Already recovered in 5th RA Bill	-51216.80			47590.00
	f) To be recovered in this bill	Rs. 51,639.25			Rs. 51,639.25
(v)	Labour Welfare Cess @ 1% on Total Gross Value	408234.00	406209.90		
	a) Already recovered in 2nd RA Bill	190249.00			
	b) Already recovered in 3rd RA Bill	143695.00			
	c) Already recovered in 4th RA Bill	24203.02			
	d) Already recovered in 5th RA Bill	24267.35			23795.09
	e) To be recovered in this bill	Rs. 25,819.63			Rs. 25,819.63
(vi)	UGST @ 1% on Total Gross Value	408234.00	406209.90		
	a) Already recovered in 1st RA Bill	49875.50			
	b) Already recovered in 2nd RA Bill	190249.50			
	c) Already recovered in 3rd RA Bill	143695.00			
	d) Already recovered in 4th RA Bill	24202.67			
	e) Already recovered in 5th RA Bill	-25608.80			23795.09
	f) To be recovered in this bill	Rs. 25,819.63			Rs. 25,819.63
(vii)	CGST @ 1% on Total Gross Value	408234.00	406209.90		
	a) Already recovered in 1st RA Bill	49875.50			
	b) Already recovered in 2nd RA Bill	190249.50			
	c) Already recovered in 3rd RA Bill	143695.00			
	d) Already recovered in 4th RA Bill	24202.67			
	e) Already recovered in 5th RA Bill	-25608.80			23795.09
	f) To be recovered in this bill	Rs. 25,819.63			Rs. 25,819.63
					779192.03
				Total Recovery (B)	Rs. 794,376.20
				Net Amount Payable in this Bill (A-B)	Rs. 1,787,586.80
				Says	Rs. 1,787,587.00
					1600316.00
					16,00,315

~~Net Amount in words: (Rupees Seventeen Lakhs Eighty Seven Thousand Five Hundred Eighty Seven Only)~~

Net Amount → (Rupees Sixteen Lakhs Three Hundred Seventeen Only)
~~Sixteen only~~
fifteen.

1600316.87

Certified that:-

1. The work has been executed as per terms and conditions of the agreement.
2. No material and T & P has been issued from the Department.
3. Own arrangements for water has been made.
4. No Labour Complaints has been received.
5. Requisite technical staff has been employed as per agreement.
6. Up to date recoveries have been effected in this bill.
7. All Mandatory Test have been conducted.

Signature of the Contractor

Signature of the AE

Signature of the EE (Works)

Ref. Page No: 1 to 12 of TMB:

Authority :- 01 (PBSPL) of 2020-21
~~240/BE-III/SWM/MC/2020-21~~

N.O.W :- Marine esplanade: marina road restructuring with Uniform carriage way, walking track, Street lighting, Steel furniture, Service core trenching and lawn soaping.

Agency :- M/s Surendra Infrastructure (P) Ltd.

Total Gross value of work done → 4,06,20,946/-
Already paid up to 5th RA Bill → 3,82,41,439/-
Gross value of 6th RA Bill → 23,79,507/-

Ded
(i) S/deposit @ 2.5% on GIV → 10,15,524/-
Already deducted up-to 5th RA Bill → 960036/-
now to be deducted → 594488/-

(ii) ITax @ 2% on GIV → 812419/-
Already deducted up-to 5th RA Bill → 764829/-
now to be deducted. → 47590/-

(iii) Labourcess @ 1% on GIV → 406209/-
Already deducted up-to 5th RA Bill → 382414/-
now to be deducted → 23795/-

(iv) TDS on GST @ 2% on GIV → 812419/-
Already deducted up-to 5th RA Bill → 764829/-
now to be deducted. → 47590/-

(v) Schedule B Aggregates (-) → 201532/-
(vi) Material lowney at site-Steel → 399197/-

Cont-II

THEORETICAL STATEMENT

Name of Work:- Marine esplanade: Marina road restructuring with uniform carriage way, walking track, street lighting, street furniture, service core trenching and land scaping.

Agreement No :- 01 (PBSPL) of 2020-21

Agency :- M/s. Surendra Infrastructure (P) Ltd

Serial no of this bill :- 6th RA Bill

S.No	Sch Item No.	Description of Items	Quantity	Unit	Coefficient	Quantity	Schedule ₹ Rates in figures material will be charged	Amount
1	1.04	PCC 1:4:8	2.864	Cum				
		Cement		Bags	3.410	9.766	0.00	0.00
		Pulverised Sand		Cum	0.470	1.346	1567.91	2110.41
		Stone aggregates 40mm		Cum	0.950	2.721	1466.76	3991.05
2	1.08	M-40	110.219	Cum				
		Cement		Bags	8.840	974.336	0.00	0.00
		Pulverised Sand		Cum	0.454	50.040	1567.91	78458.22
		Stone aggregates 20mm		Cum	0.277	30.531	1516.82	46310.03
		Stone aggregates 12.5mm		Cum	0.415	45.741	1544.84	70662.53
							Total Amount	201532.24
							Says	201532.00

Total Deduction ₹= 7,79,192/-

net payable Amount = 16,00,315/-

Junior Engineer-III (Works)
PBMC

6th RA Bill in respect of M/S Surendra Infrastructure (P) Ltd against Agr. No. 01(PBSPL) of 2020-21 is passed for ₹= 23,79,507/- (Rupees Twenty three lakhs seventy Nine thousand five hundred seven only).

Executive Engineer-III (Works)
Municipal Council
Port Blair

payment released for ₹= 16,00,315/-

Accounts Officer-III
Municipal Council
Port Blair

Secured Advance against the materials brought at site

Name of Work:- Marine esplanade: Marina road restructuring with uniform carriage way, walking track, street lighting, street furniture, service core trenching and land scaping.

Agreement No :- 01 (PBSPL) of 2020-21

Agency :- M/s. Surendra Infrastructure (P) Ltd.

Serial no of this bill :- 6th RA Bill

S.No	Sch Item No.	Description of Items	Quantity	Unit	Rate Allowed	Amount
1	1.09	Steel TMT Bars	8064.591	Kgs	49.5	399197.2545
					Total Amount	**399197.25**
					Says	**399197.00**

Junior Engineer-III (Works)

PBMC

Division:- Executive Engineer-III (SWM/MC), Port Blair Municipal Council, Port Blair

(7th R.A BILL)

COMPUTERIZED MEASUREMENT BOOK

(ABSTRACT)

CMB No:- 243/EE-III/SWM/MC/2020-21

Name of Work: - Marine esplanade: Marina road restructuring with uniform carriage way, walking track, street lighting, street furniture, service core trenching and land scaping.

Name of Contractor: - M/s. Surendra Infrastructure (P) Ltd.

Agreement No.: - 01 (PBSPL) of 2020-2021

Certified that this Computerized measurement book bearing no.243/EE-III/SWM/MC/2020-21 contains **11** leaves serially numbered from pages 01 to 11 and two blank pages without any damage.

Signature of
Contractor

Signature of
Assistant Engineer

Signature of
Executive Engineer

ABSTRACT OF COST

(7th R.A Bill)

Name of Work:- Marine esplanade: Marina road restructuring with uniform carriage way, walking track, street lighting, street furniture, service core trenching and land scaping.

Agreement No. :- 01 (PBSPL) of 2020-2021

Name of Agency :- M/s. Surendra Infrastructure (P) Ltd.

Date of Commencement:- 07.12.2020

Date of Completion:- In Progress

Reference to previous measurement, if any :- NIL

Serial no of this bill :- 7th RA Bill

Date of Abstract:-

Item No.	Particulars	Quantity	Unit	Rate	Amount
1	**CIVIL WORKS**				
1.01	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m. a) All kinds of soil.				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.01 (2nd R.A Bill Qty)	17.617			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.01 (3rd R.A Bill Qty)	139.362			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.01 (4th R.A Bill Qty)	54.283			
	Total	**211.262**	**Cum**	**Rs. 225.00**	**Rs. 47,533.95**
1.04	Proving and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:4:8 (1 Cement : 4 coarse sand (Zone III) : 8 graded stone aggregate 40 mm nominal size)				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.01 (2nd R.A Bill Qty)	11.242			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.02 (3rd R.A Bill Qty)	85.005			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.01 (4th R.A Bill Qty)	11.369			
	Qty b/f CMB No.235/EE-III/SWM/MC/2020-21 vide page no.01 (5th R.A Bill Qty)	8.928			
	Qty b/f CMB No.241/EE-III/SWM/MC/2020-21 vide page no.01 (6th R.A Bill Qty)	2.864			
	Qty b/f CMB No.242/EE-III/SWM/MC/2020-21 vide page no.01 (7th R.A Bill Qty)	4.464			
	Qty b/f CMB No.242/EE-III/SWM/MC/2020-21 vide page no.12 (7th R.A Bill Qty)	4.464			
	Qty b/f CMB No.242/EE-III/SWM/MC/2020-21 vide page no.18 (7th R.A Bill Qty)	4.464			
	Total	**132.800**	**Cum**	**Rs. 9,250.00**	**Rs. 1,228,400.00**

1.05	Providing and laying in position machine batched and machine mixed design mix M-25 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying but excluding the cost of centering, shuttering, finishing and reinforcement, including admixtures in recommended proportions as per IS: 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer-in-charge."(Note :- Cement content considered in this item is @ 330 kg/cum."Excess/ less cement used as per design mix is payable/recoverable separately). All works upto plinth level				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.01 (2nd R.A Bill Qty)	10.528			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.03 (3rd R.A Bill Qty)	320.952			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.02 (4th R.A Bill Qty)	59.176			
	Qty b/f CMB No.235/EE-III/SWM/MC/2020-21 vide page no.02 (5th R.A Bill Qty)	58.454			
	Qty b/f CMB No.241/EE-III/SWM/MC/2020-21 vide page no.02 (6th R.A Bill Qty)	16.382			
	Qty b/f CMB No.242/EE-III/SWM/MC/2020-21 vide page no.02 (7th R.A Bill Qty)	16.500			
	Qty b/f CMB No.242/EE-III/SWM/MC/2020-21 vide page no.03 (7th R.A Bill Qty)	12.727			
	Qty b/f CMB No.242/EE-III/SWM/MC/2020-21 vide page no.12 (7th R.A Bill Qty)	16.500			
	Qty b/f CMB No.242/EE-III/SWM/MC/2020-21 vide page no.13 (7th R.A Bill Qty)	12.727			
	Qty b/f CMB No.242/EE-III/SWM/MC/2020-21 vide page no.18 (7th R.A Bill Qty)	16.500			
	Total	**540.446**	**Cum**	**Rs. 11,000.00**	**Rs. 5,944,906.00**
1.06	Extra for laying RCC in or under water and/or liquid mud, including cost of pumping or bailing out water and removing slush etc., complete.		202.80 × 650 =	131820.00	
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.03 (3rd R.A Bill Qty)	320.702	117.902 × 487.50 =	57477.23	
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.02 (4th R.A Bill Qty)	80.263	80.263 × 487.50 =	39128.21	
	Qty b/f CMB No.235/EE-III/SWM/MC/2020-21 vide page no.2 (5th R.A Bill Qty)	89.104	89.104 × 487.50 =	43438.80	
	Qty b/f CMB No.241/EE-III/SWM/MC/2020-21 vide page no.02 (6th R.A Bill Qty)	24.914	24.914 × 487.50 =	12145.48	
	Qty b/f CMB No.242/EE-III/SWM/MC/2020-21 vide page no.05 (7th R.A Bill Qty)	44.553	44.553 × 487.50 =	21719.59	
	Qty b/f CMB No.242/EE-III/SWM/MC/2020-21 vide page no.14 (7th R.A Bill Qty)	44.553	44.553 × 487.50 =	21719.59	
	Qty b/f CMB No.242/EE-III/SWM/MC/2020-21 vide page no.19 (7th R.A Bill Qty)	20.964	20.964 × 487.50 =	10219.95	
	Total	**625.052**	**Cum**	**Rs. 650.00**	**Rs. 406,283.80**

337668.85
337668.35

1.07	Providing and laying in position machine batched and machine mixed design mix M-25 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying but excluding the cost of centering, shuttering, finishing and reinforcement, including admixtures in recommended proportions as per IS: 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer-in-charge."(Note :- Cement contentconsidered in this item is @ 330 kg/cum."Excess/ less cement used as per design mix is payable/recoverable separately). All works above plinth level upto floor V level				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.02 (2nd R.A Bill Qty)	14.812			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.04 (3rd R.A Bill Qty)	222.185			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.03 (4th R.A Bill Qty)	52.226			
	Qty b/f CMB No.235/EE-III/SWM/MC/2020-21 vide page no.03 (5th R.A Bill Qty)	52.747			
	Qty b/f CMB No.241/EE-III/SWM/MC/2020-21 vide page no.03 (6th R.A Bill Qty)	93.838			
	Qty b/f CMB No.242/EE-III/SWM/MC/2020-21 vide page no.03 (7th R.A Bill Qty)	10.862			
	Qty b/f CMB No.242/EE-III/SWM/MC/2020-21 vide page no.04 (7th R.A Bill Qty)	11.703			
	Qty b/f CMB No.242/EE-III/SWM/MC/2020-21 vide page no.07 (7th R.A Bill Qty)	10.341			
	Qty b/f CMB No.242/EE-III/SWM/MC/2020-21 vide page no.14 (7th R.A Bill Qty)	10.862			
	Total	**479.576**	**Cum**	**Rs. 11,400.00**	**Rs. 5,467,166.40**
	Providing M-25 grade concrete. (Note : Cement content considered as per Design Mix M25 - 343 kg/cbm approved.				
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.05 (3rd R.A Bill Qty)	2003.625			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.03 (4th R.A Bill Qty)	389.337			
	Total	**2392.962**	**Kg**	**Rs. 10.00**	**Rs. 23,929.62**
1.08	Extra for providing richer mixes at all floor levels. Note:- Excess/less cement over the specified cement content used is payable / recoverable separately. Providing M-40 grade concrete instead of M-25 grade BMC/RMC. (Note : Cement content considered in M-40 is @ 360 kg/cum)				
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.05 (3rd R.A Bill Qty)	414.336			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.03 (4th R.A Bill Qty)	81.453			
	Qty b/f CMB No.235/EE-III/SWM/MC/2020-21 vide page no.03 (5th R.A Bill Qty)	111.201			
	Qty b/f CMB No.241/EE-III/SWM/MC/2020-21 vide page no.04 (6th R.A Bill Qty)	110.219			
	Qty b/f CMB No.242/EE-III/SWM/MC/2020-21 vide page no.05 (7th R.A Bill Qty)	51.792			

	Qty b/f CMB No.242/EE-III/SWM/MC/2020-21 vide page no.08 (7th R.A Bill Qty)	10.341			
	Qty b/f CMB No.242/EE-III/SWM/MC/2020-21 vide page no.14 (7th R.A Bill Qty)	40.089			
	Qty b/f CMB No.242/EE-III/SWM/MC/2020-21 vide page no.19 (7th R.A Bill Qty)	16.500			
	Total	**835.931**	**Cum**	**Rs. 320.00**	**Rs. 267,497.92**
	Extra for providing richer mixes M-40 grade concrete. (Note : Cement content considered as per Design Mix M40 - 442 kg/cbm approved.				
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.05 (3rd R.A Bill Qty)	33975.552			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.03 (4th R.A Bill Qty)	6679.146			
	Qty b/f CMB No.235/EE-III/SWM/MC/2020-21 vide page no.03 (5th R.A Bill Qty)	9118.482			
	Qty b/f CMB No.241/EE-III/SWM/MC/2020-21 vide page no.05 (6th R.A Bill Qty)	9037.958			
	Extra for providing richer mixes M-40 grade concrete. (Note : Cement content considered as per Design Mix M40 - 442 kg/cbm approved. (Qty - 118.722 Cum) Cement Qty = 118.722 x 442 = 52475.124 Kg = 118.722 x 360 = 42739.92 Kg Difference Qty = 9735.204 Kg	9735.204			
	Total	**68546.342**	**Kg**	**Rs. 10.00**	**Rs. 685,463.42**
1.09	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level. A) Thermo-Mechanically Treated bars of grade Fe-500D or more.				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.02 (2nd R.A Bill Qty)	1051.813			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.05 (3rd R.A Bill Qty)	31310.281			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.04 (4th R.A Bill Qty)	6545.698			
	Qty b/f CMB No.235/EE-III/SWM/MC/2020-21 vide page no.04 (5th R.A Bill Qty)	8585.653			
	Qty b/f CMB No.241/EE-III/SWM/MC/2020-21 vide page no.06 (6th R.A Bill Qty)	8064.591			
	Qty b/f CMB No.242/EE-III/SWM/MC/2020-21 vide page no.06 (7th R.A Bill Qty)	423.385			
	Qty b/f CMB No.242/EE-III/SWM/MC/2020-21 vide page no.06 (7th R.A Bill Qty)	185.748			
	Qty b/f CMB No.242/EE-III/SWM/MC/2020-21 vide page no.09 (7th R.A Bill Qty)	1324.998			
	Qty b/f CMB No.242/EE-III/SWM/MC/2020-21 vide page no.10 (7th R.A Bill Qty)	1541.475			
	Qty b/f CMB No.242/EE-III/SWM/MC/2020-21 vide page no.11 (7th R.A Bill Qty)	512.653			
	Qty b/f CMB No.242/EE-III/SWM/MC/2020-21 vide page no.15 (7th R.A Bill Qty)	1324.998			
	Qty b/f CMB No.242/EE-III/SWM/MC/2020-21 vide page no.16 (7th R.A Bill Qty)	1541.475			
	Qty b/f CMB No.242/EE-III/SWM/MC/2020-21 vide page no.17 (7th R.A Bill Qty)	512.653			
	Total	**62925.421**	**Kg**	**Rs. 91.00**	**Rs. 5,726,213.31**

1.11	Centering and shuttering including strutting, propping etc. and removal of form work for : Foundations, footings, bases for columns				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.02 (2nd R.A Bill Qty)	50.400			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.07 (3rd R.A Bill Qty)	267.000			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.04 (4th R.A Bill Qty)	23.630			
	Qty b/f CMB No.235/EE-III/SWM/MC/2020-21 vide page no.04 (5th R.A Bill Qty)	26.800			
	Qty b/f CMB No.241/EE-III/SWM/MC/2020-21 vide page no.06 (6th R.A Bill Qty)	11.320			
	Qty b/f CMB No.242/EE-III/SWM/MC/2020-21 vide page no.01 (7th R.A Bill Qty)	13.400			
	Qty b/f CMB No.242/EE-III/SWM/MC/2020-21 vide page no.12 (7th R.A Bill Qty)	13.400			
	Qty b/f CMB No.242/EE-III/SWM/MC/2020-21 vide page no.18 (7th R.A Bill Qty)	13.400			
	Total	**419.350**	**Sqm**	**Rs. 340.00**	**Rs. 142,579.00**
1.12	Centering and shuttering including strutting, propping etc. and removal of form work for : Retaining walls, return walls, walls (any thickness) including attached pilasters, butteresses, plinth and string courses fillets, kerbs and steps etc.				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.02 (2nd R.A Bill Qty)	142.478			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.08 (3rd R.A Bill Qty)	1784.236			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.04 (4th R.A Bill Qty)	542.815			
	Qty b/f CMB No.235/EE-III/SWM/MC/2020-21 vide page no.05 (5th R.A Bill Qty)	234.276			
	Qty b/f CMB No.241/EE-III/SWM/MC/2020-21 vide page no.07 (6th R.A Bill Qty)	383.468			
	Qty b/f CMB No.242/EE-III/SWM/MC/2020-21 vide page no.02 (7th R.A Bill Qty)	54.261			
	Qty b/f CMB No.242/EE-III/SWM/MC/2020-21 vide page no.04 (7th R.A Bill Qty)	46.898			
	Qty b/f CMB No.242/EE-III/SWM/MC/2020-21 vide page no.07 (7th R.A Bill Qty)	41.918			
	Qty b/f CMB No.242/EE-III/SWM/MC/2020-21 vide page no.13 (7th R.A Bill Qty)	54.261			
	Total	**3284.609**	**Sqm**	**Rs. 570.00**	**Rs. 1,872,227.13**
1.13	Centering and shuttering including strutting, propping etc. and removal of form for all heights : Extra for shuttering in circular work (20% of respective centering and shutttering items)				
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.05 (4th R.A Bill Qty)	50.597			
	Qty b/f CMB No.235/EE-III/SWM/MC/2020-21 vide page no.05 (5th R.A Bill Qty)	37.948			
	Qty b/f CMB No.241/EE-III/SWM/MC/2020-21 vide page no.07 (6th R.A Bill Qty)	59.749			
	Qty b/f CMB No.242/EE-III/SWM/MC/2020-21 vide page no.08 (7th R.A Bill Qty)	12.649			
	Total	**160.943**	**Sqm**	**Rs. 150.00**	**Rs. 24,141.45**

1.2	Demolishing cement concrete manually/ by mechanical means and disposal of material within 50 metres lead as per direction of Engineerin-charge. cum Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix)				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.03 (2nd R.A Bill Qty)	2.963			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.08 (3rd R.A Bill Qty)	65.457			
	Total	**68.420**	**Cum**	**Rs. 1,100.00**	**Rs. 75,262.00**
2	**ELECTRICAL WORKS**				
2.01	Supply of 8 Mtr. height decorative Chatsworth pole having cast iron decorative base and pipe dia of 165mm dia & 1 mtr long with cast iron reducer joining with 101mm OD straight pipe. Pole shall be mounted on square base plate. Decorative Cascade bracket with 940mm height mounted on pole. Pole and two brackets at differential height shall be galvanized and painted with PU paint in closed paint chamber with heating treatment in chamber. Make: Surya				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.03 (2nd R.A Bill Qty)	50.000			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.08 (3rd R.A Bill Qty)	15.000			
	Total	**65.000**	**Nos**	**Rs. 64,000.00**	**Rs. 4,160,000.00**
2.02	Supply of Decorative Luminaires for Urban lighting, body made of painted spun aluminum, The protector is made of polycarbonate grade UVresistant (IK 08), Permanently sealed optical compartment with IP66 protection. Luminaire offers tool free access to gear compartment with IP44 protection. Luminaire can be installed as a suspended luminaire. The luminaire is equipped with the LensoFlex2® technology photometric system. PMMA lenses with wide photometry for increased pole spacing. Fixture is having a surge protection of 10KA. Electronic driver is having power factor>0.90*, THD<20*% and input voltage range from 120-227V AC at 50Hz. Luminaire efficacy is 100 im/ watt system lumen greater than 7500 lumens in CCT range of 4000 as per ANSI. System life of 50000 burning hours with 70% of initial lumens maintained. Luminaire is suitable for operating temperature (Ta) from -20 to 50c. Driver can withstand 320V AC for 48 hours and 360V AC for 2 hours. Make: Surya SLE PT 75W VEGA				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.03 (2nd R.A Bill Qty)	50.000			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.09 (3rd R.A Bill Qty)	15.000			
	Total	**65.000**	**Nos**	**Rs. 40,000.00**	**Rs. 2,600,000.00**

2.03	Supply of Decorative Luminaires for Urban lighting. body made of painted spun aluminum, The protector is made of polycarbonate grade UVresistant (IK 08). Permanently sealed optical compartment with IP66 protection. Luminaire offers tool free access to gear compartment with IP44 protection. Luminaire can be installed as a suspended luminaire. The luminaire is equipped with the LensoFlex2® technology photometric system. PMMA lenses with wide photometry for increased pole spacing. Fixture is having a surge protection of 10KA. Electronic driver is having power factor>0.90*. THD<20*% and input voltage range from 120-227V AC at 50Hz. Luminaire efficacy is 100 lm/ watt system lumen greater than 7500 lumens in CCT range of 4000 as per ANSI. System life of 50000 burning hours with 70% of initial lumens maintained. Luminaire is suitable for operating temperature (Ta) from -20 to 50c. Driver can withstand 320V AC for 48 hours and 360V AC for 2 hours. Make: Surya SLE PT 40W VEGA				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.04 (2nd R.A Bill Qty)	50.000			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.09 (3rd R.A Bill Qty)	15.000			
	Total	**65.000**	**Nos**	**Rs. 33,500.00**	**Rs. 2,177,500.00**
2.04	Providing of XLPE (IS:7098) (I)-88 ISI armoured cable multistrand Aluminium conductor for 1.1 KV. to be laid on wall with necessary clamps or in existing trench/ pipe of 4 core 16 Sq.mm cable.				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.04 (2nd R.A Bill Qty)	1500.000	1950.00 X 275 = 536250.00		
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.09 (3rd R.A Bill Qty)	1500.000	1050.00 X 206.25 = 216562.50		
	Total	**3000.000**	**Mtr**	**Rs. 275.00**	**Rs. 825,000.00**
2.05	Supply of 50mm DWC pipes of approved make for covering of cable.				752812.50
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.04 (2nd R.A Bill Qty)	1200.000	1560.00 X 230 = 358800.00		
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.10 (3rd R.A Bill Qty)	1200.000	840.00 X 192.50 = 144900.00		
	Total	**2400.000**	**Mtr**	**Rs. 230.00**	**Rs. 552,000.00**
2.06	Supply of Flexible PVC insulated multistrand multicore 1.1 kv grade ISI marked copper wires of following size to be erected as directed 1.50 Sq.mm 3 core round PVC sheathed.				503700.00
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.04 (2nd R.A Bill Qty)	700.000	910.00 X 255 = 232050.00		
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.10 (3rd R.A Bill Qty)	700.000	490.00 X 191.25 = 93712.50		
					325762.50
	Total	**1400.000**	**Mtr**	**Rs. 255.00**	**Rs. 357,000.00**
				Total Workdone Amount	**Rs. 32,583,104.00**

32362763.00

	Secured Advance against the materials brought at site				
1.09	**Material Laying at site - Steel** TMT bars of size 8mm, 10mm, 12mm, 16mm and 20mm restricted to 90% of element cost	216020.00	Kg	Rs. 49.50	Rs. 10,692,990.00
		Say 4305754/-			43055753.50
				Total Value	Rs. 43,276,094.00
				Paid in 2nd RA Bill	Rs. 19,024,930.00
				Paid in 3rd RA Bill	Rs. 14,369,518.00
				Paid in 4th RA Bill	Rs. 2,420,254.00
				Paid in 5th RA Bill	Rs. 2,426,735.00
				Paid in 6th RA Bill	Rs. 2,379,509.00
				Gross Value of 7th RA Bill	Rs. 2,655,148.00
				SAY	Rs. 2,655,148.00

	RECOVERY DETAILS			
(i)	Schedule B Aggregates (-)		**Gross Value (A)**	Rs. 2,655,148.00
(ii)	Material Laying at site - Steel			Rs. 239,032.00
(iii)	Security deposit @ 2.5% on Gross Value			Rs. 364,686.00
	a) Already recovered in 2nd RA Bill	1081902.35	1076398.00	
	b) Already recovered in 3rd RA Bill	475623.00		
	c) Already recovered in 4th RA Bill	359238.00		
	d) Already recovered in 5th RA Bill	60506.85		
	e) Already recovered in 6th RA Bill	60668.00		60871
	f) To be recovered in this bill	59487.70		60871
		Rs. 66,378.71		Rs. 66,378.71
(iv)	IT @ 2% on Gross Value	865521.88	861115.00	
	a) Already recovered in 1st RA Bill	99751.00		
	b) Already recovered in 2nd RA Bill	380499.00		
	c) Already recovered in 3rd RA Bill	287390.00		
	d) Already recovered in 4th RA Bill	48405.00		
	e) Already recovered in 5th RA Bill	-51216.83		
	f) Already recovered in 6th RA Bill	47590.80		48696.45
	g) To be recovered in this bill	Rs. 53,102.97		Rs. 53,102.97
(v)	Labour Welfare Cess @ 1% on Gross Value	432760.94	430558.00	
	a) Already recovered in 2nd RA Bill	190249.00		
	b) Already recovered in 3rd RA Bill	143695.00		
	c) Already recovered in 4th RA Bill	24203.02		
	d) Already recovered in 5th RA Bill	24267.85		24348
	e) Already recovered in 6th RA Bill	23795.09		24349.00
	f) To be recovered in this bill	Rs. 26,551.48		Rs. 26,551.48
(vi)	UGST @ 1% on Gross Value	432760.94	430558.00	
	a) Already recovered in 1st RA Bill	49875.50		
	b) Already recovered in 2nd RA Bill	190249.50		
	c) Already recovered in 3rd RA Bill	143695.00		
	d) Already recovered in 4th RA Bill	24202.52		
	e) Already recovered in 5th RA Bill	-25608.15		
	f) Already recovered in 6th RA Bill	23795.09		24349.00
	g) To be recovered in this bill	Rs. 26,551.48		Rs. 26,551.48

(vii)	CGST @ 1% on Gross Value			
	a) Already recovered in 1st RA Bill	432760.94	430558.00	
	b) Already recovered in 2nd RA Bill	49875.50		
	c) Already recovered in 3rd RA Bill	190249.50		
	d) Already recovered in 4th RA Bill	143695.00		
	e) Already recovered in 5th RA Bill	24202.52		
	f) Already recovered in 6th RA Bill	-25608.15		
	g) To be recovered in this bill	23795.09		24345.09
		Rs. 26,551.48		Rs. 26,551.48
				-186328.55
			Total Recovery (B)	Rs. 802,854.12
			Net Amount Payable in this Bill (A-B)	Rs. 1,852,293.88
			Says	Rs. 1,852,294.00
				1648473.00
				1648479.00

~~Net Amount in words:- (Rupees Eighteen Lakhs Fifty Two Thousand Two Hundred Ninety Four Only)~~

Net Amount → (Sixteen Lakhs Forty Eight Thousand Four Hundred Seventy Eight only)

Certified that:-

1. The work has been executed as per terms and conditions of the agreement.
2. No material and T & P has been issued from the Department.
3. Own arrangements for water has been made.
4. No Labour Complaints has been received.
5. Requisite technical staff has been employed as per agreement.
6. Up to date recoveries have been effected in this bill.
7. All Mandatory Test have been conducted.

Signature of the Contractor

Signature of the AE

Signature of the EE (Works)

Ref- Page No. 1 to 10 of TMB:

Authority :- 01 (PBSPL) of 2020-2021

N.O.W :- Marina esplanade: marina road restoration with uniform carriage way, walking track, street lighting street furniture service core trenching and land scaping.

Agency :- M/s Surendra Infrastructure (P) Ltd.

(a) Gross value of Bill up to 8th RA → 4,30,55,753/-

(b) Already paid up to 5th RA Bill → 3,82,41,439/-

(c) 6th RA Bill under process → 23,79,507/-

(d) Gross value of bill up to 6th RA Bill (b+c) → 4,06,20,946/-

Gross value of 7th RA Bill → 24,34,807/-

Deel

(i) SI deposit @ 2.5% on GIV → 1076394/-

Already deducted up to 5th RA Bill → 956036/-

Deducted in 6th RA Bill → 59488/-

now to deducted in 7th RA Bill → 60870/-

(ii) I/Tax @ 2% on GIV → 861115/-

Already deducted up to 5th RA Bill → 764829/-

Deducted in 6th RA Bill → 47590/-

now to be deducted in 7th RA Bill → 48696/-

(iii) labour cess @ 1% on GIV → 430558/-

Already deducted up to 5th RA Bill → 382415/-

Deducted in 6th RA Bill → 23795/-

now to be deducted in 7th RA Bill → 24348/-

Contd-4

THEORETICAL STATEMENT

Name of Work:- Marine esplanade: Marina road restructuring with uniform carriage way, walking track, street lighting, street furniture, service core trenching and land scaping.

Agreement No :- 01 (PBSPL) of 2020-21

Agency :- M/s. Surendra Infrastructure (P) Ltd.

Serial no of this bill :- 7th RA Bill

S.No	Sch Item No.	Description of Items	Quantity	Unit	Coefficient	Quantity	Schedule B Rates in figures material will be charged	Amount
1	1.04	**PCC 1:4:8**	13.392	Cum				
		Cement		Bags	3.410	45.667	0.00	0.00
		Pulverised Sand		Cum	0.470	6.294	1567.91	9868.43
		Stone aggregates 40mm		Cum	0.950	12.722	1466.76	18660.12
2	1.08	**M-40**	118.722	Cum				
		Cement		Bags	8.840	1049.502	0.00	0.00
		Pulverised Sand		Cum	0.454	53.899	1567.91	84508.78
		Stone aggregates 20mm		Cum	0.277	32.886	1516.82	49882.14
		Stone aggregates 12.5mm		Cum	0.415	49.269	1544.84	76112.72
							Total Amount	**239032.20**
							Says	**239032.00**

Junior Engineer-III (Works)
RBMC

(iii) TDS on GST @ 2% on G/V → 861115/-
Already deducted upto 5th RA Bill → 764829/-
Deducted in 6th RA Bill → 47590/-
Now to be deducted in 7th RA Bill → 48696/-

(iv) Schedule B Aggregates (-) → 239032/-

(v) Material lowing at site steel → 364686/-

Total deductions → 786328/-

Net payable Amount → 1648479/-

7th RA Bill in respect of M/s Surendra Infrastructure (P) Ltd. against Agr. No: 01 (PBSPL) of 2020-2021 is passed for ₹ = 2434807/- (Rupees Twenty four lakhs Thirty four thousand eight hundred seven only)

Executive Engineer
Municipal Council
Port Blair

- payment released for ₹ = 1648479/-

Accounts Officer-III
Municipal Council
Port Blair

Secured Advance against the materials brought at site

Name of Work:- Marine esplanade: Marina road restructuring with uniform carriage way, walking track, street lighting, street furniture, service core trenching and land scaping.

Agreement No :- 01 (PBSPL) of 2020-21

Agency :- M/s. Surendra Infrastructure (P) Ltd.

Serial no of this bill :- 7th RA Bill

S.No	Sch Item No.	Description of Items	Quantity	Unit	Rate Allowed	Amount
1	1.09	Steel TMT Bars	7367.385	Kgs	49.5	364685.5575
					Total Amount	**364685.56**
					Says	**364686.00**

Junior Engineer-III (Works)

PBMC

Division:- Executive Engineer-III (SWM/MC), Port Blair Municipal Council, Port Blair

(8th R.A BILL)

COMPUTERIZED MEASUREMENT BOOK

(ABSTRACT)

CMB No:- 267/EE-III/SWM/MC/2020-21

Name of Work: - Marine esplanade: Marina road restructuring with uniform carriage way, walking track, street lighting, street furniture, service core trenching and land scaping.

Name of Contractor: - M/s. Surendra Infrastructure (P) Ltd.

Agreement No.: - 01 (PBSPL) of 2020-2021

Certified that this Computerized measurement book bearing no.267/EE-III/SWM/MC/2020-21 contains **12** leaves serially numbered from pages 01 to 12 and two blank pages without any damage.

Signature of
Contractor

Signature of
Assistant Engineer

Signature of
Executive Engineer

ABSTRACT OF COST

(8th R.A Bill)

Name of Work:- Marine esplanade: Marina road restructuring with uniform carriage way, walking track, street lighting, street furniture, service core trenching and land scaping.

Agreement No. :- 01 (PBSPL) of 2020-2021

Name of Agency :- M/s. Surendra Infrastructure (P) Ltd.

Date of Commencement:- 07.12.2020

Date of Completion:- In Progress

Reference to previous measurement, if any :- NIL

Serial no of this bill :- 8th RA Bill

Date of Abstract:-

Item No.	Particulars	Quantity	Unit	Rate	Amount
1	**CIVIL WORKS**				
1.01	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m. a) All kinds of soil.				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.01 (2nd R.A Bill Qty)	17.617			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.01 (3rd R.A Bill Qty)	139.362			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.01 (4th R.A Bill Qty)	54.283			
	Qty b/f CMB No.266/EE-III/SWM/MC/2020-21 vide page no.02 (8th R.A Bill Qty)	20.938			
	Qty b/f CMB No.266/EE-III/SWM/MC/2020-21 vide page no.05 (8th R.A Bill Qty)	24.788			
	Qty b/f CMB No.266/EE-III/SWM/MC/2020-21 vide page no.08 (8th R.A Bill Qty)	23.387			
	Total	**280.375**	**Cum**	**Rs. 225.00**	**Rs. 63,084.38**
1.04	Proving and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:4:8 (1 Cement : 4 coarse sand (Zone III) : 8 graded stone aggregate 40 mm nominal size)				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.01 (2nd R.A Bill Qty)	11.242			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.02 (3rd R.A Bill Qty)	85.005			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.01 (4th R.A Bill Qty)	11.369			
	Qty b/f CMB No.235/EE-III/SWM/MC/2020-21 vide page no.01 (5th R.A Bill Qty)	8.928			
	Qty b/f CMB No.241/EE-III/SWM/MC/2020-21 vide page no.01 (6th R.A Bill Qty)	2.864			
	Qty b/f CMB No.243/EE-III/SWM/MC/2020-21 vide page no.01 (7th R.A Bill Qty)	13.392			
	Qty b/f CMB No.266/EE-III/SWM/MC/2020-21 vide page no.02 (8th R.A Bill Qty)	3.449			

	Qty b/f CMB No.266/EE-III/SWM/MC/2020-21 vide page no.05 (8th R.A Bill Qty)	4.050			
	Qty b/f CMB No.266/EE-III/SWM/MC/2020-21 vide page no.08 (8th R.A Bill Qty)	4.030			
	Qty b/f CMB No.266/EE-III/SWM/MC/2020-21 vide page no.18 (8th R.A Bill Qty)	4.464			
	Total	**148.793**	**Cum**	**Rs. 9,250.00**	**Rs. 1,376,335.25**
1.05	Providing and laying in position machine batched and machine mixed design mix M-25 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying but excluding the cost of centering, shuttering, finishing and reinforcement, including admixtures in recommended proportions as per IS: 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer-in-charge."(Note :- Cement content considered in this item is @ 330 kg/cum."Excess/ less cement used as per design mix is payable/recoverable separately). All works upto plinth level				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.01 (2nd R.A Bill Qty)	10.528			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.03 (3rd R.A Bill Qty)	320.952			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.02 (4th R.A Bill Qty)	59.176			
	Qty b/f CMB No.235/EE-III/SWM/MC/2020-21 vide page no.02 (5th R.A Bill Qty)	58.454			
	Qty b/f CMB No.241/EE-III/SWM/MC/2020-21 vide page no.02 (6th R.A Bill Qty)	16.382			
	Qty b/f CMB No.243/EE-III/SWM/MC/2020-21 vide page no.02 (7th R.A Bill Qty)	74.954			
	Qty b/f CMB No.266/EE-III/SWM/MC/2020-21 videpage no.04 (8th R.A Bill Qty)	2.938			
	Qty b/f CMB No.266/EE-III/SWM/MC/2020-21 vide page no.04 (8th R.A Bill Qty)	8.891			
	Qty b/f CMB No.266/EE-III/SWM/MC/2020-21 vide page no.07 (8th R.A Bill Qty)	3.450			
	Qty b/f CMB No.266/EE-III/SWM/MC/2020-21 vide page no.07 (8th R.A Bill Qty)	10.396			
	Qty b/f CMB No.266/EE-III/SWM/MC/2020-21 vide page no.10 (8th R.A Bill Qty)	3.433			
	Qty b/f CMB No.266/EE-III/SWM/MC/2020-21 vide page no.10 (8th R.A Bill Qty)	10.902			
	Qty b/f CMB No.266/EE-III/SWM/MC/2020-21 vide page no.11 (8th R.A Bill Qty)	12.727			
	Qty b/f CMB No.266/EE-III/SWM/MC/2020-21 vide page no.18 (8th R.A Bill Qty)	16.500			
	Qty b/f CMB No.266/EE-III/SWM/MC/2020-21 vide page no.19 (8th R.A Bill Qty)	12.727			
	Total	**622.410**	**Cum**	**Rs. 11,000.00**	**Rs. 6,846,510.00**

1.06	Extra for laying RCC in or under water and/or liquid mud, including cost of pumping or bailing out water and removing slush etc., complete.				
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.03 (3rd R.A Bill Qty)	320.702	202	80×1.50=	131820.00
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.02 (4th R.A Bill Qty)	80.263			
	Qty b/f CMB No.235/EE-III/SWM/MC/2020-21 vide page no.2 (5th R.A Bill Qty)	89.103	422.252	×487.50 =	205847.85
	Qty b/f CMB No.241/EE-III/SWM/MC/2020-21 vide page no.02 (6th R.A Bill Qty)	24.914			
	Qty b/f CMB No.243/EE-III/SWM/MC/2020-21 vide page no.02 (7th R.A Bill Qty)	110.070			
	Qty b/f CMB No.266/EE-III/SWM/MC/2020-21 vide page no.14 (8th R.A Bill Qty)	23.589	23.589	× 487.50 =	11499.64
	Qty b/f CMB No.266/EE-III/SWM/MC/2020-21 vide page no.20 (8th R.A Bill Qty)	44.553	44.553	×487.50 =	21719.58
	Total	**693.193**	**Cum**	**Rs. 650.00**	**Rs. 450,575.45**
1.07	Providing and laying in position machine batched and machine mixed design mix M-25 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying but excluding the cost of centering, shuttering, finishing and reinforcement, including admixtures in recommended proportions as per IS: 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer-in-charge."(Note :- Cement contentconsidered in this item is @ 330 kg/cum."Excess/ less cement used as per design mix is payable/recoverable separately). All works above plinth level upto floor V level				370887.07
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.02 (2nd R.A Bill Qty)	14.812			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.04 (3rd R.A Bill Qty)	222.185			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.03 (4th R.A Bill Qty)	52.226			
	Qty b/f CMB No.235/EE-III/SWM/MC/2020-21 vide page no.03 (5th R.A Bill Qty)	52.747			
	Qty b/f CMB No.241/EE-III/SWM/MC/2020-21 vide page no.03 (6th R.A Bill Qty)	93.837			
	Qty b/f CMB No.243/EE-III/SWM/MC/2020-21 vide page no.03 (7th R.A Bill Qty)	43.768			
	Qty b/f CMB No.266/EE-III/SWM/MC/2020-21 vide page no.12 (8th R.A Bill Qty)	10.862			
	Qty b/f CMB No.266/EE-III/SWM/MC/2020-21 vide page no.13 (8th R.A Bill Qty)	11.703			
	Qty b/f CMB No.266/EE-III/SWM/MC/2020-21 vide page no.20 (8th R.A Bill Qty)	10.862			
	Qty b/f CMB No.266/EE-III/SWM/MC/2020-21 vide page no.21 (8th R.A Bill Qty)	11.703			
	Total	**524.705**	**Cum**	**. Rs. 11,400.00**	**Rs. 5,981,637.00**

	Providing M-25 grade concrete. (Note : Cement content considered as per Design Mix M25 - 343 kg/cbm approved.				
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.05 (3rd R.A Bill Qty)	2003.625			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.03 (4th R.A Bill Qty)	389.337			
	Extra for providing M-25 grade concrete. (Note : Cement content considered as per Design Mix M25 - 343 kg/cbm approved. (Qty - 40.008 Cum) Cement Qty = 40.010 x 343 = 13723.430 Kg = 40.010 x 330 = 13203.300 Kg Difference Qty = 520.130 Kg	520.130			
	Total	**2913.092**	**Kg**	**Rs. 10.00**	**Rs. 29,130.92**
1.08	Extra for providing richer mixes at all floor levels. Note:- Excess/less cement over the specified cement content used is payable / recoverable separately. Providing M-40 grade concrete instead of M-25 grade BMC/RMC. (Note : Cement content considered in M-40 is @ 360 kg/cum)				
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.05 (3rd R.A Bill Qty)	414.336			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.03 (4th R.A Bill Qty)	81.453			
	Qty b/f CMB No.235/EE-III/SWM/MC/2020-21 vide page no.03 (5th R.A Bill Qty)	111.201			
	Qty b/f CMB No.241/EE-III/SWM/MC/2020-21 vide page no.04 (6th R.A Bill Qty)	110.218			
	Qty b/f CMB No.243/EE-III/SWM/MC/2020-21 vide page no.04 (7th R.A Bill Qty)	118.722			
	Qty b/f CMB No.266/EE-III/SWM/MC/2020-21 vide page no.14 (8th R.A Bill Qty)	35.292			
	Qty b/f CMB No.266/EE-III/SWM/MC/2020-21 vide page no.20 (8th R.A Bill Qty)	40.089			
	Total	**911.311**	**Cum**	**Rs. 320.00**	**Rs. 291,619.52**
	Extra for providing richer mixes M-40 grade concrete. (Note : Cement content considered as per Design Mix M40 - 442 kg/cbm approved.				
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.05 (3rd R.A Bill Qty)	33975.552			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.03 (4th R.A Bill Qty)	6679.146			
	Qty b/f CMB No.235/EE-III/SWM/MC/2020-21 vide page no.03 (5th R.A Bill Qty)	9118.482			
	Qty b/f CMB No.241/EE-III/SWM/MC/2020-21 vide page no.05 (6th R.A Bill Qty)	9037.958			
	Qty b/f CMB No.243/EE-III/SWM/MC/2020-21 vide page no.04 (6th R.A Bill Qty)	9735.204			
	Extra for providing richer mixes M-40 grade concrete. (Note : Cement content considered as per Design Mix M40 - 442 kg/cbm approved. (Qty - 75.381 Cum) Cement Qty = 75.381 x 442 = 33318.402 Kg = 75.381 x 360 = 27137.160 Kg Difference Qty = 6181.242 Kg	6181.242			
	Total	**74727.584**	**Kg**	**Rs. 10.00**	**Rs. 747,275.84**

1.09	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level. A) Thermo-Mechanically Treated bars of grade Fe-500D or more.				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.02 (2nd R.A Bill Qty)	1051.813			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.05 (3rd R.A Bill Qty)	31310.281			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.04 (4th R.A Bill Qty)	6545.698			
	Qty b/f CMB No.235/EE-III/SWM/MC/2020-21 vide page no.04 (5th R.A Bill Qty)	8585.653			
	Qty b/f CMB No.241/EE-III/SWM/MC/2020-21 vide page no.06 (6th R.A Bill Qty)	8064.591			
	Qty b/f CMB No.243/EE-III/SWM/MC/2020-21 vide page no.04 (7th R.A Bill Qty)	7367.385			
	Qty b/f CMB No.266/EE-III/SWM/MC/2020-21 vide page no.03 (8th R.A Bill Qty)	299.235			
	Qty b/f CMB No.266/EE-III/SWM/MC/2020-21 vide page no.09 (8th R.A Bill Qty)	351.803			
	Qty b/f CMB No.266/EE-III/SWM/MC/2020-21 vide page no.09 (8th R.A Bill Qty)	354.364			
	Qty b/f CMB No.266/EE-III/SWM/MC/2020-21 vide page no.15 (8th R.A Bill Qty)	1324.998			
	Qty b/f CMB No.266/EE-III/SWM/MC/2020-21 vide page no.16 (8th R.A Bill Qty)	1541.475			
	Qty b/f CMB No.266/EE-III/SWM/MC/2020-21 vide page no.17 (8th R.A Bill Qty)	512.653			
	Total	**67309.949**	**Kg**	**Rs. 91.00**	**Rs. 6,125,205.36**
1.11	Centering and shuttering including strutting, propping etc. and removal of form work for : Foundations, footings, bases for columns				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.02 (2nd R.A Bill Qty)	50.400			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.07 (3rd R.A Bill Qty)	267.000			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.04 (4th R.A Bill Qty)	23.630			
	Qty b/f CMB No.235/EE-III/SWM/MC/2020-21 vide page no.04 (5th R.A Bill Qty)	26.800			
	Qty b/f CMB No.241/EE-III/SWM/MC/2020-21 vide page no.06 (6th R.A Bill Qty)	11.320			
	Qty b/f CMB No.243/EE-III/SWM/MC/2020-21 vide page no.05 (7th R.A Bill Qty)	40.200			
	Qty b/f CMB No.266/EE-III/SWM/MC/2020-21 vide page no.03 (8th R.A Bill Qty)	5.110			
	Qty b/f CMB No.266/EE-III/SWM/MC/2020-21 vide page no.06 (8th R.A Bill Qty)	6.000			
	Qty b/f CMB No.266/EE-III/SWM/MC/2020-21 vide page no.09 (8th R.A Bill Qty)	5.970			
	Qty b/f CMB No.266/EE-III/SWM/MC/2020-21 vide page no.18 (8th R.A Bill Qty)	13.400			
	Total	**449.830**	**Sqm**	**Rs. 340.00**	**Rs. 152,942.20**

1.12	Centering and shuttering including strutting, propping etc. and removal of form work for : Retaining walls, return walls, walls (any thickness) including attached pilasters, butteresses, plinth and string courses fillets, kerbs and steps etc.				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.02 (2nd R.A Bill Qty)	142.478			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.08 (3rd R.A Bill Qty)	1784.236			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.04 (4th R.A Bill Qty)	542.815			
	Qty b/f CMB No.235/EE-III/SWM/MC/2020-21 vide page no.05 (5th R.A Bill Qty)	234.276			
	Qty b/f CMB No.241/EE-III/SWM/MC/2020-21 vide page no.07 (6th R.A Bill Qty)	383.468			
	Qty b/f CMB No.243/EE-III/SWM/MC/2020-21 vide page no.05 (7th R.A Bill Qty)	197.338			
	Qty b/f CMB No.266/EE-III/SWM/MC/2020-21 vide page no.04 (8th R.A Bill Qty)	118.541			
	Qty b/f CMB No.266/EE-III/SWM/MC/2020-21 vide page no.07 (8th R.A Bill Qty)	138.600			
	Qty b/f CMB No.266/EE-III/SWM/MC/2020-21 vide page no.10 (8th R.A Bill Qty)	145.353			
	Qty b/f CMB No.266/EE-III/SWM/MC/2020-21 vide page no.11 (8th R.A Bill Qty)	54.261			
	Qty b/f CMB No.266/EE-III/SWM/MC/2020-21 vide page no.13 (8th R.A Bill Qty)	46.898			
	Qty b/f CMB No.266/EE-III/SWM/MC/2020-21 videpage no.19 (8th R.A Bill Qty)	54.261			
	Qty b/f CMB No.266/EE-III/SWM/MC/2020-21 vide page no.19 (8th R.A Bill Qty)	46.898			
	Total	**3889.423**	**Sqm**	**Rs. 570.00**	**Rs. 2,216,971.11**
1.13	Centering and shuttering including strutting, propping etc. and removal of form for all heights : Extra for shuttering in circular work (20% of respective centering and shutttering items)				
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.05 (4th R.A Bill Qty)	50.597			
	Qty b/f CMB No.235/EE-III/SWM/MC/2020-21 vide page no.05 (5th R.A Bill Qty)	37.948			
	Qty b/f CMB No.241/EE-III/SWM/MC/2020-21 vide page no.07 (6th R.A Bill Qty)	59.749			
	Qty b/f CMB No.243/EE-III/SWM/MC/2020-21 vide page no.05 (7th R.A Bill Qty)	12.649			
	Total	**160.943**	**Sqm**	**Rs. 150.00**	**Rs. 24,141.44**
1.2	Demolishing cement concrete manually/ by mechanical means and disposal of material within 50 metres lead as per direction of Engineerin-charge. cum Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix)				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.03 (2nd R.A Bill Qty)	2.963			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.08 (3rd R.A Bill Qty)	65.457			
	Qty b/f CMB No.266/EE-III/SWM/MC/2020-21 vide page no.01 (8th R.A Bill Qty)	5.621			

	Qty b/f CMB No.266/EE-III/SWM/MC/2020-21 vide page no.01 (8th R.A Bill Qty)	6.600			
	Qty b/f CMB No.266/EE-III/SWM/MC/2020-21 vide page no.02 (8th R.A Bill Qty)	9.254			
	Total	**89.895**	**Cum**	**Rs. 1,100.00**	**Rs. 98,883.95**
2	**ELECTRICAL WORKS**				
2.01	Supply of 8 Mtr. height decorative Chatsworth pole having cast iron decorative base and pipe dia of 165mm dia & 1 mtr long with cast iron reducer joining with 101mm OD straight pipe. Pole shall be mounted on square base plate. Decorative Cascade bracket with 940mm height mounted on pole. Pole and two brackets at differential height shall be galvanized and painted with PU paint in closed paint chamber with heating treatment in chamber, Make: Surya				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.03 (2nd R.A Bill Qty)	50.000			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.08 (3rd R.A Bill Qty)	15.000			
	Total	**65.000**	**Nos**	**Rs. 64,000.00**	**Rs. 4,160,000.00**
2.02	Supply of Decorative Luminaires for Urban lighting, body made of painted spun aluminum, The protector is made of polycarbonate grade UVresistant (IK 08), Permanently sealed optical compartment with IP66 protection. Luminaire offers tool free access to gear compartment with IP44 protection. Luminaire can be installed as a suspended luminaire. The luminaire is equipped with the LensoFlex2® technology photometric system. PMMA lenses with wide photometry for increased pole spacing. Fixture is having a surge protection of 10KA. Electronic driver is having power factor>0.90*, THD<20*% and input voltage range from 120-227V AC at 50Hz. Luminaire efficacy is 100 im/ watt system lumen greater than 7500 lumens in CCT range of 4000 as per ANSI. System life of 50000 burning hours with 70% of initial lumens maintained. Luminaire is suitable for operating temperature (Ta) from -20 to 50c. Driver can withstand 320V AC for 48 hours and 360V AC for 2 hours. Make: Surya SLE PT 75W VEGA				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.03 (2nd R.A Bill Qty)	50.000			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.09 (3rd R.A Bill Qty)	15.000			
	Total	**65.000**	**Nos**	**Rs. 40,000.00**	**Rs. 2,600,000.00**

2.03	Supply of Decorative Luminaires for Urban lighting, body made of painted spun aluminum, The protector is made of polycarbonate grade UVresistant (IK 08), Permanently sealed optical compartment with IP66 protection. Luminaire offers tool free access to gear compartment with IP44 protection. Luminaire can be installed as a suspended luminaire. The luminaire is equipped with the LensoFlex2® technology photometric system. PMMA lenses with wide photometry for increased pole spacing. Fixture is having a surge protection of 10KA. Electronic driver is having power factor>0.90*, THD<20*% and input voltage range from 120-227V AC at 50Hz. Luminaire efficacy is 100 im/ watt system lumen greater than 7500 lumens in CCT range of 4000 as per ANSI. System life of 50000 burning hours with 70% of initial lumens maintained. Luminaire is suitable for operating temperature (Ta) from -20 to 50c. Driver can withstand 320V AC for 48 hours and 360V AC for 2 hours. Make: Surya SLE PT 40W VEGA				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.04 (2nd R.A Bill Qty)	50.000			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.09 (3rd R.A Bill Qty)	15.000			
	Total	**65.000**	**Nos**	**Rs. 33,500.00**	**Rs. 2,177,500.00**
2.04	Providing of XLPE (IS:7098) (I)-88 ISI armoured cable multistrand Aluminium conductor for 1.1 KV. to be laid on wall with necessary clamps or in existing trench/ pipe of 4 core 16 Sq.mm cable.				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.04 (2nd R.A Bill Qty)	1500.000	1950 × 275 =		536250.00
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.09 (3rd R.A Bill Qty)	1500.000	1050.00 × 206.25 =		216525.00
	Total	**3000.000**	**Mtr**	**Rs. 275.00**	**Rs. 825,000.00**
2.05	Supply of 50mm DWC pipes of approved make for covering of cable.				752812.00
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.04 (2nd R.A Bill Qty)	1200.000	1560.00 × 230 =		358800.00
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.10 (3rd R.A Bill Qty)	1200.000	840.00 × 172.50 =		144900.00
	Total	**2400.000**	**Mtr**	**Rs. 230.00**	**Rs. 552,000.00**
2.06	Supply of Flexible PVC insulated multistrand multicore 1.1 kv grade ISI marked copper wires of following size to be erected as directed 1.50 Sq.mm 3 core round PVC sheathed.				503700.00
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.04 (2nd R.A Bill Qty)	700.000	910.00 × 255 =		232050.00
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.10 (3rd R.A Bill Qty)	700.000	490.00 × 191.25 =		93712.50 325762.50
	Total	**1400.000**	**Mtr**	**Rs. 255.00**	**Rs. 357,000.00**
				Total Workdone Amount	**Rs. 35,075,812.42**

3484399.04

	Secured Advance against the materials brought at site				
1.09	Material Laying at site - Steel TMT bars of size 8mm, 10mm, 12mm, 16mm and 20mm restricted to 90% of element cost	216020.00	Kg	Rs. 49.50	Rs. 10,692,990.00
				Total Gross Value	Rs. 45,768,802.42
				Paid in 2nd RA Bill	Rs. 19,024,930.00
				Paid in 3rd RA Bill	Rs. 14,369,518.00
				Paid in 4th RA Bill	Rs. 2,420,254.00
				Paid in 5th RA Bill	Rs. 2,426,735.00
				Paid in 6th RA Bill	Rs. 2,379,508.00
				Paid in 7th RA Bill	Rs. 2,434,809.00
				Gross Value	Rs. 2,713,048.42
				SAY	Rs. 2,713,048.00

RECOVERY DETAILS

			Gross Value (A)	Rs. 2,713,048.00
(i)	Schedule B Aggregates (-)			Rs. 241,859.00
(ii)	Material Laying at site - Steel			Rs. 217,034.00
(iii)	Security deposit @ 2.5% on Total Gross Value	1144220.06		
	a) Already recovered in 2nd RA Bill	475623.00		
	b) Already recovered in 3rd RA Bill	359238.00		
	c) Already recovered in 4th RA Bill	60506.55		
	d) Already recovered in 5th RA Bill	60668.39		
	e) Already recovered in 6th RA Bill	59487.70		
	f) Already recovered in 7th RA Bill	60870.19		
	g) To be recovered in this bill	Rs. 67,826.23		Rs. 67,826.23
(iv)	IT @ 2% on Total Gross Value	915376.05		
	a) Already recovered in 1st RA Bill	99751.00		
	b) Already recovered in 2nd RA Bill	380499.00		
	c) Already recovered in 3rd RA Bill	287390.00		
	d) Already recovered in 4th RA Bill	48405.08		
	e) Already recovered in 5th RA Bill	-51216.33		
	f) Already recovered in 6th RA Bill	47590.16		
	g) Already recovered in 7th RA Bill	48696.15		
	h) To be recovered in this bill	Rs. 54,260.99		Rs. 54,260.99
(v)	Labour Welfare Cess @ 1% on Total Gross Value	457688.02		
	a) Already recovered in 2nd RA Bill	190249.00		
	b) Already recovered in 3rd RA Bill	143695.00		
	c) Already recovered in 4th RA Bill	24203.02		
	d) Already recovered in 5th RA Bill	24267.35		
	e) Already recovered in 6th RA Bill	23795.09		
	f) Already recovered in 7th RA Bill	24348.07		
	g) To be recovered in this bill	Rs. 27,130.49		Rs. 27,130.49
(vi)	UGST @ 1% on Total Gross Value	457688.02		
	a) Already recovered in 1st RA Bill	49875.50		
	b) Already recovered in 2nd RA Bill	190249.50		
	c) Already recovered in 3rd RA Bill	143695.00		

	d) Already recovered in 4th RA Bill	24202.52		
	e) Already recovered in 5th RA Bill	-25608.15		
	f) Already recovered in 6th RA Bill	23795.09		
	g) Already recovered in 7th RA Bill	24348.07		24817.00
	h) To be recovered in this bill	Rs. 27,130.49	455374.00	24816.00 Rs. 27,130.49
(vii)	CGST @ 1% on Total Gross Value	457688.02	455373.89	
	a) Already recovered in 1st RA Bill	49875.50		
	b) Already recovered in 2nd RA Bill	190249.50		
	c) Already recovered in 3rd RA Bill	143695.00		
	d) Already recovered in 4th RA Bill	24202.52		
	e) Already recovered in 5th RA Bill	-25608.15		
	f) Already recovered in 6th RA Bill	23795.09		
	g) Already recovered in 7th RA Bill	24348.07		24816.00
	h) To be recovered in this bill	Rs. 27,130.49		Rs. 27,130.49
				605015.00
			Total Recovery (B)	Rs. 662,371.70
			Net Amount Payable in this Bill (A-B)	Rs. 2,050,676.30
			Says	Rs. 2,050,676.00
				18366620.00
				18,36618.00

~~Net Amount in words:- (Rupees Twenty Lakhs Fifty Thousand Six Hundred Seventy Six Only)~~ Eighteen

Net Amount - Eighteen Lakhs Thirty Six Thousand Six Hundred ~~Twenty~~ Only

Certified that:-

1. The work has been executed as per terms and conditions of the agreement.
2. No material and T & P has been issued from the Department.
3. Own arrangements for water has been made.
4. No Labour Complaints has been received.
5. Requisite technical staff has been employed as per agreement.
6. Up to date recoveries have been effected in this bill.
7. All Mandatory Test have been conducted.

Signature of the Contractor

Signature of the AE

Signature of the EE (Works)

Ref. Page No: 1 to 11 of TMB.

Authority :- 01 (PBSPL) of 2020-2021

N.O.W :- Marine esplanade :- Marina road restructuring with Uniform carriage way, walking track, street lighting street furniture, service core trenching and land scaping.

Agency :- M/s Surendra Infrastructure (P) Ltd.

(a) Gross value of Bill upto 8th RA → 45537389/-
(b) Already paid upto 5th RA Bill → 38241439/=
(c) 6th RA Bill under process → 2379507/-
(d) 7th RA Bill under process → 2434809/-
(e) Gross value of bill upto 7th RA (total) → 43055755/=
(f) Gross value of 8th RA Bill (a-e) → 2481634/=

Ded (i) S/deposit @ 2.5% on GLV → 1138435/=
Already deducted upto 5th RA Bill → 956036/=
Deducted in 6th RA Bill → 59488/=
Deducted in 7th RA Bill → 60870/=
Now to be deducted in 8th RA Bill → 62041/=

(ii) ITax @ 2% on GLV → 910748/-
Already deducted upto 5th RA Bill → 764829/=
Deducted in 6th RA Bill → 47590/=
Deducted in 7th RA Bill → 48696/=
Now to be deducted in 8th RA Bill → 49633/=

(iii) Labour cess @ 1% on GLV → 455374/=
Already deducted upto 5th RA Bill → 382415/=
Deducted in 6th RA Bill → 23795/=
Deducted in 7th RA Bill → 24348/-
Now to be deducted in 8th RA Bill → 24816/=

Cont-2

THEORETICAL STATEMENT

Name of Work:- Marine esplanade: Marina road restructuring with uniform carriage way, walking track, street lighting, street furniture, service core trenching and land scaping.

Agreement No :- 01 (PBSPL) of 2020-21

Agency :- M/s. Surendra Infrastructure (P) Ltd.

Serial no of this bill :- 8th RA Bill

S.No	Sch Item No.	Description of Items	Quantity	Unit	Coefficient	Quantity	Schedule B Rates in figures material will be charged	Amount
1	1.04	**PCC 1:4:8**	15.993	Cum				
		Cement		Bags	3.410	54.536	0.00	0.00
		Pulverised Sand		Cum	0.470	7.517	1567.91	11785.98
		Stone aggregates 40mm		Cum	0.950	15.193	1466.76	22284.48
2	1.05	**M-25 (upto Plinth)**	40.010	Cum				
		Cement		Bags	6.860	274.469	0.00	0.00
		Pulverised Sand		Cum	0.486	19.455	1567.91	30503.69
		Stone aggregates 20mm		Cum	0.285	11.403	1516.82	17296.30
		Stone aggregates 12.5mm		Cum	0.426	17.044	1544.84	26330.25
2	1.08	**M-40**	75.381	Cum				
		Cement		Bags	8.840	666.368	0.00	0.00
		Pulverised Sand		Cum	0.454	34.223	1567.91	53658.58
		Stone aggregates 20mm		Cum	0.277	20.881	1516.82	31672.72
		Stone aggregates 12.5mm		Cum	0.415	31.283	1544.84	48327.23
							Total Amount	**241859.23**
							Says	**241859.00**

Junior Engineer-III (Works)
PBMC

(iv) TDS on GST @ 2% on Gross → 910748/-
Already deducted upto 5th RA Bill → 764829/-
Deducted in 6th RA Bill → 47590/-
Deducted in 7th RA Bill → 48696/-
now to be deducted in 8th RA Bill → 49633/-

(v) Schedule B Aggregates (-) → 241859/-

(vi) Material laying at site-steel → 217034/-

Contd- III

Total deduction for ₹= ⟶ 6,45,016/-

Net payable Amount ₹: ⟶ 18,36,618/-

8th RA Bill in respect of M/s Surendra Infrastructure (P) Ltd against Agr. No: 01/PBS/PL/of 2020-2021 is passed for ₹= 24,81,634/- (Rupees Twenty four lakhs eighty one thousand six hundred thirty four only).

Executive Engineer-III (W&S)
Municipal Council
Port Blair

payment released for ₹= 18,36,618/-

Accounts Officer
Municipal Council
Port Blair

Secured Advance against the materials brought at site

Name of Work:- Marine esplanade: Marina road restructuring with uniform carriage way, walking track, street lighting, street furniture, service core trenching and land scaping.

Agreement No :- 01 (PBSPL) of 2020-21

Agency :- M/s. Surendra Infrastructure (P) Ltd.

Serial no of this bill :- 8th RA Bill

S.No	Sch Item No.	Description of Items	Quantity	Unit	Rate Allowed	Amount
1	1.09	Steel TMT Bars	4384.528	Kgs	49.5	217034.136
					Total Amount	**217034.14**
					Says	**217034.00**

Junior Engineer-III (Works)

PBMC

Division:- Executive Engineer-III (SWM/MC), Port Blair Municipal Council, Port Blair

(9th R.A BILL)

COMPUTERIZED MEASUREMENT BOOK

(ABSTRACT)

CMB No:- 275/EE-III/SWM/MC/2020-21

Name of Work: - Marine esplanade: Marina road restructuring with uniform carriage way, walking track, street lighting, street furniture, service core trenching and land scaping.

Name of Contractor: - M/s. Surendra Infrastructure (P) Ltd.

Agreement No.: - 01 (PBSPL) of 2020-2021

Certified that this Computerized measurement book bearing no.275/EE-III/SWM/MC/2020-21 contains **22** leaves serially numbered from pages 01 to 22 and two blank pages without any damage.

Signature of
Contractor

Signature of
Assistant Engineer

Signature of
Executive Engineer

ABSTRACT OF COST
(9th R.A Bill)

Name of Work:- Marine esplanade: Marina road restructuring with uniform carriage way, walking track, street lighting, street furniture, service core trenching and land scaping.

Agreement No. :- 01 (PBSPL) of 2020-2021

Name of Agency :- M/s. Surendra Infrastructure (P) Ltd.

Date of Commencement:- 07.12.2020

Date of Completion:- In Progress

Reference to previous measurement, if any :- NIL

Serial no of this bill :- 9th RA Bill

Date of Abstract:-

Item No.	Particulars	Quantity	Unit	Rate	Amount
1	**CIVIL WORKS**				
1.01	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m. a) All kinds of soil.				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.01 (2nd R.A Bill Qty)	17.617			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.01 (3rd R.A Bill Qty)	139.362			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.01 (4th R.A Bill Qty)	54.283			
	Qty b/f CMB No.267/EE-III/SWM/MC/2020-21 vide page no.01 (8th R.A Bill Qty)	69.113			
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.01 (9th R.A Bill Qty)	2902.250			
	Qty b/f CMB No.270/EE-III/SWM/MC/2020-21 vide page no.104 (9th R.A Bill Qty)	0.531			
	Total	**3183.156**	**Cum**	**Rs. 225.00**	**Rs. 7,16,210.10**
1.02	Excavation work by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m. Hard rock (blasting prohibited)				
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.01 (9th R.A Bill Qty)	242.226			
	Total	**242.226**	**Cum**	**Rs. 500.00**	**Rs. 1,21,113.00**
1.03	Filling with available pulverised sand				
	Qty b/f CMB No.270/EE-III/SWM/MC/2020-21 vide page no.110 (9th R.A Bill Qty)	82.868			
	Qty b/f CMB No.270/EE-III/SWM/MC/2020-21 vide page no.112 (9th R.A Bill Qty)	30.550			
	Qty b/f CMB No.270/EE-III/SWM/MC/2020-21 vide page no.113 (9th R.A Bill Qty)	30.634			
	Total	**144.052**	**Cum**	**Rs. 3,400.00**	**Rs. 4,89,776.80**

1.04	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:4:8 (1 Cement : 4 coarse sand (Zone III) : 8 graded stone aggregate 40 mm nominal size)					
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.01 (2nd R.A Bill Qty)	11.242				
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.02 (3rd R.A Bill Qty)	85.005				
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.01 (4th R.A Bill Qty)	11.369				
	Qty b/f CMB No.235/EE-III/SWM/MC/2020-21 vide page no.01 (5th R.A Bill Qty)	8.928				
	Qty b/f CMB No.241/EE-III/SWM/MC/2020-21 vide page no.01 (6th R.A Bill Qty)	2.864				
	Qty b/f CMB No.243/EE-III/SWM/MC/2020-21 vide page no.01 (7th R.A Bill Qty)	13.392				
	Qty b/f CMB No.267/EE-III/SWM/MC/2020-21 vide page no.02 (8th R.A Bill Qty)	15.993				
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.25 (9th R.A Bill Qty)	4.464				
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.28 (9th R.A Bill Qty)	4.464				
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.31 (9th R.A Bill Qty)	4.464				
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.50 (9th R.A Bill Qty)	4.464				
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.53 (9th R.A Bill Qty)	4.464				
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.56 (9th R.A Bill Qty)	4.464				
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.75 (9th R.A Bill Qty)	4.464				
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.78 (9th R.A Bill Qty)	4.464				
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.81 (9th R.A Bill Qty)	4.464				
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.96 (9th R.A Bill Qty)	4.464				
	Qty b/f CMB No.270/EE-III/SWM/MC/2020-21 vide page no.101 (9th R.A Bill Qty)	4.464				
	Qty b/f CMB No.270/EE-III/SWM/MC/2020-21 vide page no.104 (9th R.A Bill Qty)	1.215				
	Qty b/f CMB No.270/EE-III/SWM/MC/2020-21 vide page no.111 (9th R.A Bill Qty)	82.868				
	Qty b/f CMB No.270/EE-III/SWM/MC/2020-21 vide page no.113 (9th R.A Bill Qty)	30.550				
	Qty b/f CMB No.270/EE-III/SWM/MC/2020-21 vide page no.114 (9th R.A Bill Qty)	30.779				
	Total	**343.309**		**Cum**	**Rs. 9,250.00**	**Rs. 31,75,608.25**

1.05	Providing and laying in position machine batched and machine mixed design mix M-25 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying but excluding the cost of centering, shuttering, finishing and reinforcement, including admixtures in recommended proportions as per IS: 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer-in-charge."(Note :- Cement content considered in this item is @ 330 kg/cum."Excess/ less cement used as per design mix is payable/recoverable separately). All works upto plinth level					
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.01 (2nd R.A Bill Qty)	10.528				
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.03 (3rd R.A Bill Qty)	320.952				
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.02 (4th R.A Bill Qty)	59.176				
	Qty b/f CMB No.235/EE-III/SWM/MC/2020-21 vide page no.02 (5th R.A Bill Qty)	58.454				
	Qty b/f CMB No.241/EE-III/SWM/MC/2020-21 vide page no.02 (6th R.A Bill Qty)	16.382				
	Qty b/f CMB No.243/EE-III/SWM/MC/2020-21 vide page no.02 (7th R.A Bill Qty)	74.954				
	Qty b/f CMB No.267/EE-III/SWM/MC/2020-21 videpage no.02 (8th R.A Bill Qty)	81.964				
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.25 (9th R.A Bill Qty)	16.500				
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.28 (9th R.A Bill Qty)	16.500				
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.31 (9th R.A Bill Qty)	16.500				
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.33 (9th R.A Bill Qty)	12.727				
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.34 (9th R.A Bill Qty)	12.727				
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.36 (9th R.A Bill Qty)	12.727				
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.50 (9th R.A Bill Qty)	16.500				
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.53 (9th R.A Bill Qty)	16.500				
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.56 (9th R.A Bill Qty)	16.500				
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.58 (9th R.A Bill Qty)	12.727				
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.59 (9th R.A Bill Qty)	12.727				
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.61 (9th R.A Bill Qty)	12.727				
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.75 (9th R.A Bill Qty)	16.500				
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.78 (9th R.A Bill Qty)	16.500				
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.81 (9th R.A Bill Qty)	16.500				

	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.83 (9th R.A Bill Qty)	12.727			
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.84 (9th R.A Bill Qty)	12.727			
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.86 (9th R.A Bill Qty)	12.727			
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.96 (9th R.A Bill Qty)	16.500			
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.98 (9th R.A Bill Qty)	12.727			
	Qty b/f CMB No.270/EE-III/SWM/MC/2020-21 vide page no.102 (9th R.A Bill Qty)	16.500			
	Qty b/f CMB No.270/EE-III/SWM/MC/2020-21 vide page no.105 (9th R.A Bill Qty)	1.035			
	Qty b/f CMB No.270/EE-III/SWM/MC/2020-21 vide page no.106 (9th R.A Bill Qty)	1.013			
	Total	**933.228**	**Cum**	**Rs. 11,000.00**	**Rs. 1,02,65,508.00**
1.06	Extra for laying RCC in or under water and/or liquid mud, including cost of pumping or bailing out water and removing slush etc., complete.				
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.03 (3rd R.A Bill Qty)	320.702			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.02 (4th R.A Bill Qty)	80.263			
	Qty b/f CMB No.235/EE-III/SWM/MC/2020-21 vide page no.2 (5th R.A Bill Qty)	89.103			
	Qty b/f CMB No.241/EE-III/SWM/MC/2020-21 vide page no.02 (6th R.A Bill Qty)	24.914			
	Qty b/f CMB No.243/EE-III/SWM/MC/2020-21 vide page no.02 (7th R.A Bill Qty)	110.070			
	Qty b/f CMB No.267/EE-III/SWM/MC/2020-21 vide page no.03 (8th R.A Bill Qty)	68.142			
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.32 (9th R.A Bill Qty)	62.892			
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.37 (9th R.A Bill Qty)	70.767			
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.57 (9th R.A Bill Qty)	62.892			
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.62 (9th R.A Bill Qty)	70.767			
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.82 (9th R.A Bill Qty)	62.892			
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.87 (9th R.A Bill Qty)	70.767			
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.97 (9th R.A Bill Qty)	20.964			
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.99 (9th R.A Bill Qty)	23.589			
	Qty b/f CMB No.270/EE-III/SWM/MC/2020-21 vide page no.103 (9th R.A Bill Qty)	20.964			
	Total	**1159.688**	**Cum**	**Rs. 650.00**	**Rs. 7,53,797.20**

202.80×650 = 13,820.00
490.394×487.50 = 239067.075
486.994×487.50 = 237415.85
598302.90

1.07	Providing and laying in position machine batched and machine mixed design mix M-25 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying but excluding the cost of centering, shuttering, finishing and reinforcement, including admixtures in recommended proportions as per IS: 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer-in-charge."(Note :- Cement contentconsidered in this item is @ 330 kg/cum."Excess/ less cement used as per design mix is payable/recoverable separately). All works above plinth level upto floor V level				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.02 (2nd R.A Bill Qty)	14.812			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.04 (3rd R.A Bill Qty)	222.185			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.03 (4th R.A Bill Qty)	52.226			
	Qty b/f CMB No.235/EE-III/SWM/MC/2020-21 vide page no.03 (5th R.A Bill Qty)	52.747			
	Qty b/f CMB No.241/EE-III/SWM/MC/2020-21 vide page no.03 (6th R.A Bill Qty)	93.837			
	Qty b/f CMB No.243/EE-III/SWM/MC/2020-21 vide page no.03 (7th R.A Bill Qty)	43.768			
	Qty b/f CMB No.267/EE-III/SWM/MC/2020-21 vide page no.03 (8th R.A Bill Qty)	45.130			
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.03 (9th R.A Bill Qty)	10.341			
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.05 (9th R.A Bill Qty)	10.341			
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.08 (9th R.A Bill Qty)	1.658			
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.08 (9th R.A Bill Qty)	2.828			
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.09 (9th R.A Bill Qty)	2.146			
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.10 (9th R.A Bill Qty)	10.471			
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.12 (9th R.A Bill Qty)	10.120			
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.21 (9th R.A Bill Qty)	11.627			
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.22 (9th R.A Bill Qty)	4.934			
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.33 (9th R.A Bill Qty)	10.862			
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.35 (9th R.A Bill Qty)	10.862			
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.36 (9th R.A Bill Qty)	10.862			
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.38 (9th R.A Bill Qty)	11.703			
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.39 (9th R.A Bill Qty)	11.703			
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.40 (9th R.A Bill Qty)	11.703			
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.42 (9th R.A Bill Qty)	10.341			

	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.44 (9th R.A Bill Qty)	10.341			
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.46 (9th R.A Bill Qty)	10.341			
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.58 (9th R.A Bill Qty)	10.862			
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.60 (9th R.A Bill Qty)	10.862			
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.61 (9th R.A Bill Qty)	10.862			
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.63 (9th R.A Bill Qty)	11.703			
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.64 (9th R.A Bill Qty)	11.703			
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.65 (9th R.A Bill Qty)	11.703			
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.67 (9th R.A Bill Qty)	10.341			
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.69 (9th R.A Bill Qty)	10.341			
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.71 (9th R.A Bill Qty)	10.341			
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.83 (9th R.A Bill Qty)	10.862			
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.85 (9th R.A Bill Qty)	10.862			
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.86 (9th R.A Bill Qty)	10.862			
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.88 (9th R.A Bill Qty)	11.703			
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.89 (9th R.A Bill Qty)	11.703			
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.90 (9th R.A Bill Qty)	11.703			
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.92 (9th R.A Bill Qty)	10.341			
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.98 (9th R.A Bill Qty)	10.862			
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.100 (9th R.A Bill Qty)	11.703			
	Qty b/f CMB No.270/EE-III/SWM/MC/2020-21 vide page no.107 (9th R.A Bill Qty)	0.518			
	Total	**887.726**	**Cum**	**Rs. 11,400.00**	**Rs. 1,01,20,076.40**
	Providing M-25 grade concrete. (Note : Cement content considered as per Design Mix M25 - 343 kg/cbm approved.				
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.05 (3rd R.A Bill Qty)	2003.625			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.03 (4th R.A Bill Qty)	389.337			
	Qty b/f CMB No.267/EE-III/SWM/MC/2020-21 vide page no.04 (8th R.A Bill Qty)	520.130			
	Extra for providing M-25 grade concrete. (Note : Cement content considered as per Design Mix M25 - 343 kg/cbm approved. (Qty - 25.759 Cum) Cement Qty = 25.759 x 343 = 8835.337 Kg = 25.759 x 330 = 8500.47 Kg Difference Qty = 334.867 Kg	334.867			
	Total	**3247.959**	**Kg**	**Rs. 10.00**	**Rs. 32,479.59**

1.08	Extra for providing richer mixes at all floor levels. Note:- Excess/less cement over the specified cement content used is payable / recoverable separately. Providing M-40 grade concrete instead of M-25 grade BMC/RMC. (Note : Cement content considered in M-40 is @ 360 kg/cum)				
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.05 (3rd R.A Bill Qty)	414.336			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.03 (4th R.A Bill Qty)	81.453			
	Qty b/f CMB No.235/EE-III/SWM/MC/2020-21 vide page no.03 (5th R.A Bill Qty)	111.201			
	Qty b/f CMB No.241/EE-III/SWM/MC/2020-21 vide page no.04 (6th R.A Bill Qty)	110.218			
	Qty b/f CMB No.243/EE-III/SWM/MC/2020-21 vide page no.04 (7th R.A Bill Qty)	118.722			
	Qty b/f CMB No.267/EE-III/SWM/MC/2020-21 vide page no.04 (8th R.A Bill Qty)	75.381			
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.06 (9th R.A Bill Qty)	32.385			
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.13 (9th R.A Bill Qty)	20.591			
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.32 (9th R.A Bill Qty)	49.500			
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.37 (9th R.A Bill Qty)	70.767			
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.40 (9th R.A Bill Qty)	35.109			
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.47 (9th R.A Bill Qty)	31.023			
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.57 (9th R.A Bill Qty)	49.500			
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.62 (9th R.A Bill Qty)	70.767			
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.65 (9th R.A Bill Qty)	35.109			
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.72 (9th R.A Bill Qty)	31.023			
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.82 (9th R.A Bill Qty)	49.500			
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.87 (9th R.A Bill Qty)	70.767			
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.90 (9th R.A Bill Qty)	35.109			
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.93 (9th R.A Bill Qty)	10.341			
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.97 (9th R.A Bill Qty)	16.500			
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.99 (9th R.A Bill Qty)	23.589			
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.100 (9th R.A Bill Qty)	11.703			
	Qty b/f CMB No.270/EE-III/SWM/MC/2020-21 vide page no.103 (9th R.A Bill Qty)	16.500			
	Total	**1571.094**	**Cum**	**Rs. 320.00**	**Rs. 5,02,750.08**

	Extra for providing richer mixes M-40 grade concrete. (Note : Cement content considered as per Design Mix M40 - 442 kg/cbm approved.				
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.05 (3rd R.A Bill Qty)	33975.552			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.03 (4th R.A Bill Qty)	6679.146			
	Qty b/f CMB No.235/EE-III/SWM/MC/2020-21 vide page no.03 (5th R.A Bill Qty)	9118.482			
	Qty b/f CMB No.241/EE-III/SWM/MC/2020-21 vide page no.05 (6th R.A Bill Qty)	9037.958			
	Qty b/f CMB No.243/EE-III/SWM/MC/2020-21 vide page no.04 (7th R.A Bill Qty)	9735.204			
	Qty b/f CMB No.267/EE-III/SWM/MC/2020-21 vide page no.04 (8th R.A Bill Qty)	6181.242			
	Extra for providing richer mixes M-40 grade concrete. (Note : Cement content considered as per Design Mix M40 - 442 kg/cbm approved. (Qty - 659.783 Cum) Cement Qty = 659.783 x 442 = 291624.086 Kg = 659.783 x 360 = 237521.880 Kg Difference Qty = 54102.206 Kg	54102.206			
	Total	**128829.790**	**Kg**	**Rs. 10.00**	**Rs. 12,88,297.90**
1.09	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level. A) Thermo-Mechanically Treated bars of grade Fe-500D or more.				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.02 (2nd R.A Bill Qty)	1051.813			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.05 (3rd R.A Bill Qty)	31310.281			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.04 (4th R.A Bill Qty)	6545.698			
	Qty b/f CMB No.235/EE-III/SWM/MC/2020-21 vide page no.04 (5th R.A Bill Qty)	8585.653			
	Qty b/f CMB No.241/EE-III/SWM/MC/2020-21 vide page no.06 (6th R.A Bill Qty)	8064.591			
	Qty b/f CMB No.243/EE-III/SWM/MC/2020-21 vide page no.04 (7th R.A Bill Qty)	7367.385			
	Qty b/f CMB No.267/EE-III/SWM/MC/2020-21 vide page no.05 (8th R.A Bill Qty)	4384.528			
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.02 (9th R.A Bill Qty)	423.385			
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.02 (9th R.A Bill Qty)	185.748			
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.04 (9th R.A Bill Qty)	423.385			
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.04 (9th R.A Bill Qty)	185.748			
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.07 (9th R.A Bill Qty)	531.859			
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.11 (9th R.A Bill Qty)	423.385			
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.11 (9th R.A Bill Qty)	185.748			
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.20 (9th R.A Bill Qty)	1255.903			

	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.21 (9th R.A Bill Qty)	532.658			
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.23 (9th R.A Bill Qty)	1324.999			
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.23 (9th R.A Bill Qty)	1541.475			
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.24 (9th R.A Bill Qty)	512.653			
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.26 (9th R.A Bill Qty)	1324.999			
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.26 (9th R.A Bill Qty)	1541.475			
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.27 (9th R.A Bill Qty)	512.653			
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.29 (9th R.A Bill Qty)	1324.999			
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.29 (9th R.A Bill Qty)	1541.475			
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.30 (9th R.A Bill Qty)	512.653			
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.41 (9th R.A Bill Qty)	423.385			
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.41 (9th R.A Bill Qty)	185.748			
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.43 (9th R.A Bill Qty)	423.385			
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.43 (9th R.A Bill Qty)	185.748			
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.45 (9th R.A Bill Qty)	423.385			
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.45 (9th R.A Bill Qty)	185.748			
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.48 (9th R.A Bill Qty)	1324.999			
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.48 (9th R.A Bill Qty)	1541.475			
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.49 (9th R.A Bill Qty)	512.653			
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.51 (9th R.A Bill Qty)	1324.999			
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.51 (9th R.A Bill Qty)	1541.475			
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.52 (9th R.A Bill Qty)	512.653			
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.54 (9th R.A Bill Qty)	1324.999			
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.54 (9th R.A Bill Qty)	1541.475			
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.55 (9th R.A Bill Qty)	512.653			
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.66 (9th R.A Bill Qty)	423.385			
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.66 (9th R.A Bill Qty)	185.748			
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.68 (9th R.A Bill Qty)	423.385			
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.68 (9th R.A Bill Qty)	185.748			

	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.70 (9th R.A Bill Qty)	423.385			
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.70 (9th R.A Bill Qty)	185.748			
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.73 (9th R.A Bill Qty)	1324.999			
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.73 (9th R.A Bill Qty)	1541.475			
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.74 (9th R.A Bill Qty)	512.653			
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.76 (9th R.A Bill Qty)	1324.999			
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.76 (9th R.A Bill Qty)	1541.475			
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.77 (9th R.A Bill Qty)	512.653			
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.79 (9th R.A Bill Qty)	1324.999			
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.79 (9th R.A Bill Qty)	1541.475			
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.80 (9th R.A Bill Qty)	512.653			
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.91 (9th R.A Bill Qty)	423.385			
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.91 (9th R.A Bill Qty)	185.748			
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.94 (9th R.A Bill Qty)	1324.999			
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.94 (9th R.A Bill Qty)	1541.475			
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.95 (9th R.A Bill Qty)	512.653			
	Qty b/f CMB No.270/EE-III/SWM/MC/2020-21 vide page no.101 (9th R.A Bill Qty)	1324.999			
	Qty b/f CMB No.270/EE-III/SWM/MC/2020-21 vide page no.104 (9th R.A Bill Qty)	54.510			
	Qty b/f CMB No.270/EE-III/SWM/MC/2020-21 vide page no.106 (9th R.A Bill Qty)	55.340			
		110947.818	**Kg**	**Rs. 91.00**	**Rs. 1,00,96,251.44**
1.1	12 mm plaster 1:4				
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.16 (9th R.A Bill Qty)	285.384			
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.16 (9th R.A Bill Qty)	309.166			
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.17 (9th R.A Bill Qty)	120.600			
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.17 (9th R.A Bill Qty)	160.920			
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.18 (9th R.A Bill Qty)	203.700			
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.18 (9th R.A Bill Qty)	249.726			
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.19 (9th R.A Bill Qty)	328.109			
	Qty b/f CMB No.270/EE-III/SWM/MC/2020-21 vide page no.106 (9th R.A Bill Qty)	15.300			
		1672.905	**Sqm**	**Rs. 370.00**	**Rs. 6,18,974.85**

1.11	Centering and shuttering including strutting, propping etc. and removal of form work for : Foundations, footings, bases for columns				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.02 (2nd R.A Bill Qty)	50.400			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.07 (3rd R.A Bill Qty)	267.000			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.04 (4th R.A Bill Qty)	23.630			
	Qty b/f CMB No.235/EE-III/SWM/MC/2020-21 vide page no.04 (5th R.A Bill Qty)	26.800			
	Qty b/f CMB No.241/EE-III/SWM/MC/2020-21 vide page no.06 (6th R.A Bill Qty)	11.320			
	Qty b/f CMB No.243/EE-III/SWM/MC/2020-21 vide page no.05 (7th R.A Bill Qty)	40.200			
	Qty b/f CMB No.267/EE-III/SWM/MC/2020-21 vide page no.05 (8th R.A Bill Qty)	30.480			
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.25 (9th R.A Bill Qty)	13.400			
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.28 (9th R.A Bill Qty)	13.400			
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.31 (9th R.A Bill Qty)	13.400			
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.50 (9th R.A Bill Qty)	13.400			
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.53 (9th R.A Bill Qty)	13.400			
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.56 (9th R.A Bill Qty)	13.400			
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.75 (9th R.A Bill Qty)	13.400			
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.78 (9th R.A Bill Qty)	13.400			
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.81 (9th R.A Bill Qty)	13.400			
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.96 (9th R.A Bill Qty)	13.400			
	Qty b/f CMB No.270/EE-III/SWM/MC/2020-21 vide page no.102 (9th R.A Bill Qty)	13.400			
	Qty b/f CMB No.270/EE-III/SWM/MC/2020-21 vide page no.105 (9th R.A Bill Qty)	1.800			
	Total	**599.030**	**Sqm**	**Rs. 340.00**	**Rs. 2,03,670.20**
1.12	Centering and shuttering including strutting, propping etc. and removal of form work for : Retaining walls, return walls, walls (any thickness) including attached pilasters, butteresses, plinth and string courses fillets, kerbs and steps etc.				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.02 (2nd R.A Bill Qty)	142.478			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.08 (3rd R.A Bill Qty)	1784.236			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.04 (4th R.A Bill Qty)	542.815			
	Qty b/f CMB No.235/EE-III/SWM/MC/2020-21 vide page no.05 (5th R.A Bill Qty)	234.276			
	Qty b/f CMB No.241/EE-III/SWM/MC/2020-21 vide page no.07 (6th R.A Bill Qty)	383.468			

	Qty b/f CMB No.243/EE-III/SWM/MC/2020-21 vide page no.05 (7th R.A Bill Qty)	197.338			
	Qty b/f CMB No.267/EE-III/SWM/MC/2020-21 vide page no.06 (8th R.A Bill Qty)	604.812			
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.03 (9th R.A Bill Qty)	41.918			
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.05 (9th R.A Bill Qty)	41.918			
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.07 (9th R.A Bill Qty)	8.030			
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.08 (9th R.A Bill Qty)	17.581			
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.09 (9th R.A Bill Qty)	7.441			
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.10 (9th R.A Bill Qty)	42.529			
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.12 (9th R.A Bill Qty)	40.898			
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.20 (9th R.A Bill Qty)	150.815			
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.22 (9th R.A Bill Qty)	64.385			
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.32 (9th R.A Bill Qty)	54.261			
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.34 (9th R.A Bill Qty)	54.261			
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.35 (9th R.A Bill Qty)	54.261			
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.38 (9th R.A Bill Qty)	46.898			
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.39 (9th R.A Bill Qty)	46.898			
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.40 (9th R.A Bill Qty)	46.898			
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.42 (9th R.A Bill Qty)	41.918			
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.44 (9th R.A Bill Qty)	41.918			
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.46 (9th R.A Bill Qty)	41.918			
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.57 (9th R.A Bill Qty)	54.261			
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.59 (9th R.A Bill Qty)	54.261			
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.60 (9th R.A Bill Qty)	54.261			
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.63 (9th R.A Bill Qty)	46.898			
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.64 (9th R.A Bill Qty)	46.898			
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.65 (9th R.A Bill Qty)	46.898			
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.67 (9th R.A Bill Qty)	41.918			
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.69 (9th R.A Bill Qty)	41.918			

	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.71 (9th R.A Bill Qty)	41.918			
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.82 (9th R.A Bill Qty)	54.261			
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.84 (9th R.A Bill Qty)	54.261			
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.85 (9th R.A Bill Qty)	54.261			
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.88 (9th R.A Bill Qty)	46.898			
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.89 (9th R.A Bill Qty)	46.898			
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.90 (9th R.A Bill Qty)	46.898			
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.92 (9th R.A Bill Qty)	41.918			
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.97 (9th R.A Bill Qty)	54.261			
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.100 (9th R.A Bill Qty)	46.898			
	Qty b/f CMB No.270/EE-III/SWM/MC/2020-21 vide page no.105 (9th R.A Bill Qty)	13.500			
	Qty b/f CMB No.270/EE-III/SWM/MC/2020-21 vide page no.107 (9th R.A Bill Qty)	7.545			
	Qty b/f CMB No.270/EE-III/SWM/MC/2020-21 vide page no.111 (9th R.A Bill Qty)	10.755			
	Qty b/f CMB No.270/EE-III/SWM/MC/2020-21 vide page no.112 (9th R.A Bill Qty)	8.000			
	Qty b/f CMB No.270/EE-III/SWM/MC/2020-21 vide page no.113 (9th R.A Bill Qty)	8.130			
	Total	**5657.884**	**Sqm**	**Rs. 570.00**	**Rs. 32,24,993.88**
1.13	Centering and shuttering including strutting, propping etc. and removal of form for all heights : Extra for shuttering in circular work (20% of respective centering and shutttering items)				
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.05 (4th R.A Bill Qty)	50.597			
	Qty b/f CMB No.235/EE-III/SWM/MC/2020-21 vide page no.05 (5th R.A Bill Qty)	37.948			
	Qty b/f CMB No.241/EE-III/SWM/MC/2020-21 vide page no.07 (6th R.A Bill Qty)	59.749			
	Qty b/f CMB No.243/EE-III/SWM/MC/2020-21 vide page no.05 (7th R.A Bill Qty)	12.649			
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.06 (9th R.A Bill Qty)	25.298			
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.13 (9th R.A Bill Qty)	24.731			
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.47 (9th R.A Bill Qty)	37.948			
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.72 (9th R.A Bill Qty)	37.948			
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.93 (9th R.A Bill Qty)	12.649			
	Total	**299.517**	**Sqm**	**Rs. 150.00**	**Rs. 44,927.55**

1.17	Providing and laying factory made chamfered edge Cement Concrete paver blocks in foot path, park & lawns driveway or light & traffic parking etc. of required strength, thickness & size/shape, made by table vibratory method using PU mould, laid in required colour & pattern over 50 mm thick compacted bed of course sand, compacting and proper embedding/laying of inter locking paver blocks unto the sand bedding layer through vibratory compaction by using plate vibrator, filling the joints with sand and cutting of paver blocks as per required size and pattern, finishing and sweeping extra sand, all complete as per manufacturer's specifications & direction of Engineer-in-Charge. 80mm thick Cement concrete paver block of M-35 grade with approved colour, design & pattern.				
	Qty b/f CMB No.269/EE-III/SWM/MC/2020-21 vide page no.15 (9th R.A Bill Qty)	1165.147			
	Qty b/f CMB No.270/EE-III/SWM/MC/2020-21 vide page no.109 (9th R.A Bill Qty)	733.667			
	Total	**1898.814**	**Sqm**	**Rs. 2,300.00**	**Rs. 43,67,272.20**
1.19	Demolishing R.C.C. work manually/ by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge.				
	Qty b/f CMB No.270/EE-III/SWM/MC/2020-21 vide page no.110 (9th R.A Bill Qty)	28.211			
	Total	**28.211**	**Cum**	**Rs. 1,100.00**	**Rs. 31,032.10**
1.2	Demolishing cement concrete manually/ by mechanical means and disposal of material within 50 metres lead as per direction of Engineerin-charge. cum Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix)				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.03 (2nd R.A Bill Qty)	2.963			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.08 (3rd R.A Bill Qty)	65.457			
	Qty b/f CMB No.267/EE-III/SWM/MC/2020-21 vide page no.07 (8th R.A Bill Qty)	21.475			
	Qty b/f CMB No.270/EE-III/SWM/MC/2020-21 vide page no.109 (9th R.A Bill Qty)	43.554			
	Total	**133.449**	**Cum**	**Rs. 1,100.00**	**Rs. 1,46,793.90**

2	**ELECTRICAL WORKS**				
2.01	Supply of 8 Mtr. height decorative Chatsworth pole having cast iron decorative base and pipe dia of 165mm dia & 1 mtr long with cast iron reducer joining with 101mm OD straight pipe. Pole shall be mounted on square base plate. Decorative Cascade bracket with 940mm height mounted on pole. Pole and two brackets at differential height shall be galvanized and painted with PU paint in closed paint chamber with heating treatment in chamber, Make: Surya				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.03 (2nd R.A Bill Qty)	50.000			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.08 (3rd R.A Bill Qty)	15.000			
	Total	**65.000**	**Nos**	**Rs. 64,000.00**	**Rs. 41,60,000.00**
2.02	Supply of Decorative Luminaires for Urban lighting, body made of painted spun aluminum, The protector is made of polycarbonate grade UVresistant (IK 08), Permanently sealed optical compartment with IP66 protection. Luminaire offers tool free access to gear compartment with IP44 protection. Luminaire can be installed as a suspended luminaire. The luminaire is equipped with the LensoFlex2® technology photometric system. PMMA lenses with wide photometry for increased pole spacing. Fixture is having a surge protection of 10KA. Electronic driver is having power factor>0.90*, THD<20*% and input voltage range from 120-227V AC at 50Hz. Luminaire efficacy is 100 im/ watt system lumen greater than 7500 lumens in CCT range of 4000 as per ANSI. System life of 50000 burning hours with 70% of initial lumens maintained. Luminaire is suitable for operating temperature (Ta) from -20 to 50c. Driver can withstand 320V AC for 48 hours and 360V AC for 2 hours. Make: Surya SLE PT 75W VEGA				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.03 (2nd R.A Bill Qty)	50.000			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.09 (3rd R.A Bill Qty)	15.000			
	Total	**65.000**	**Nos**	**Rs. 40,000.00**	**Rs. 26,00,000.00**

2.03	Supply of Decorative Luminaires for Urban lighting, body made of painted spun aluminum, The protector is made of polycarbonate grade UVresistant (IK 08), Permanently sealed optical compartment with IP66 protection. Luminaire offers tool free access to gear compartment with IP44 protection. Luminaire can be installed as a suspended luminaire. The luminaire is equipped with the LensoFlex2® technology photometric system. PMMA lenses with wide photometry for increased pole spacing. Fixture is having a surge protection of 10KA. Electronic driver is having power factor>0.90*, THD<20*% and input voltage range from 120-227V AC at 50Hz. Luminaire efficacy is 100 im/ watt system lumen greater than 7500 lumens in CCT range of 4000 as per ANSI. System life of 50000 burning hours with 70% of initial lumens maintained. Luminaire is suitable for operating temperature (Ta) from -20 to 50c. Driver can withstand 320V AC for 48 hours and 360V AC for 2 hours. Make: Surya SLE PT 40W VEGA				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.04 (2nd R.A Bill Qty)	50.000			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.09 (3rd R.A Bill Qty)	15.000			
	Total	**65.000**	**Nos**	**Rs. 33,500.00**	**Rs. 21,77,500.00**
2.04	Providing of XLPE (IS:7098) (I)-88 ISI armoured cable multistrand Aluminium conductor for 1.1 KV. to be laid on wall with necessary clamps or in existing trench/ pipe of 4 core 16 Sq.mm cable.				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.04 (2nd R.A Bill Qty)	1500.000		1500 × 275 = 412500.00	
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.09 (3rd R.A Bill Qty)	1500.000		450 × 275 = 123750.00 1050 × 206.25 = 216562.50	
	Total	**3000.000**	**Mtr**	**Rs. 275.00**	**Rs. 8,25,000.00**
2.05	Supply of 50mm DWC pipes of approved make for covering of cable.				752812.50
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.04 (2nd R.A Bill Qty)	1200.000		1200 × 230 = 276000.00	
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.10 (3rd R.A Bill Qty)	1200.000		360 × 230 = 82800.00 840 × 172.50 = 144900	
	Total	**2400.000**	**Mtr**	**Rs. 230.00**	**Rs. 5,52,000.00**
2.06	Supply of Flexible PVC insulated multistrand multicore 1.1 kv grade ISI marked copper wires of following size to be erected as directed 1.50 Sq.mm 3 core round PVC sheathed.				503240.25
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.04 (2nd R.A Bill Qty)	700.000		700 × 255 = 178500.00 210 × 255 = 53550.00	
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.10 (3rd R.A Bill Qty)	700.000		490 × 190.25 = 93272.50	
	Total	**1400.000**	**Mtr**	**Rs. 255.00**	**Rs. 3,57,000.00**

325762.50

3	**SUB HEAD : Installation, Testing and Commissioning of Streetlight System**				
3.01	Installation of 8 mtr Decorative Pole including excavation and constructing M-20/1:2:4 cement concrete foundation of size 45 x 45 x 120 cms. Deep as directed by Engineer-in-charge.				
	Qty b/f CMB No.270/EE-III/SWM/MC/2020-21 vide page no.115 (9th R.A Bill Qty)	15.000			
	Total	**15.000**	**Nos**	**Rs. 5,550.00**	**Rs. 83,250.00**
3.02	Installation, Testing and Commissioning of 75/40 watt Decorative LED Luminaries.				
	Qty b/f CMB No.270/EE-III/SWM/MC/2020-21 vide page no.115 (9th R.A Bill Qty)	30.000			
	Total	**30.000**	**Nos**	**Rs. 700.00**	**Rs. 21,000.00**
3.05	Erecting of 3 core 1.5 sqmm copper flexible cable in pole from junction box to Luminaries				
	Qty b/f CMB No.270/EE-III/SWM/MC/2020-21 vide page no.115 (9th R.A Bill Qty)	300.000			
	Total	**300.000**	**Nos**	**Rs. 42.00**	**Rs. 12,600.00**
	EXTRA ITEM				
1.00	To provide structural design analysis with strucutal reinforcement details for construction of siutable wall section for the proposed construction of sea wall in front of Girls School along with the sea coast to a height of 3.00 mtrs suggesting appropriate section, designing of section and supply of detailed working drawings in CAD format 04 sets of CD and also vetted by any reconginised engineering college by Govt of India complete.				
	Qty b/f CMB No.270/EE-III/SWM/MC/2020-21 vide page no.118 (9th R.A Bill Qty)	1.000			
	Total	**1.000**	**Nos**	**Rs. 69,620.00**	**Rs. 69,620.00**
2.00	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including getting out and disposal of excavated earth lead upto 50 m and lift upto 1.5 m, as directed by Engineer-in-charge. All kinds of soil.				
	Qty b/f CMB No.270/EE-III/SWM/MC/2020-21 vide page no.116 (9th R.A Bill Qty)	4739.630			
	Total	**4739.630**	**Cum**	**Rs. 242.00**	**Rs. 11,46,990.46**
3.00	Carriage of Materials by mechanical transport including loading, unloading and stacking of earth for a lead of 05 kms.				
	Qty b/f CMB No.270/EE-III/SWM/MC/2020-21 vide page no.116 (9th R.A Bill Qty)	4739.630			
	Total	**4739.630**	**Cum**	**Rs. 228.23**	**Rs. 10,81,725.75**
4.00	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m.				
	Qty b/f CMB No.270/EE-III/SWM/MC/2020-21 vide page no.117 (9th R.A Bill Qty)	4667.865			
	Total	**4667.865**	**Cum**	**Rs. 197.00**	**Rs. 9,19,569.41**
				Total Workdone Amount	**Rs. 5,98,98,569.77**

	Secured Advance against the materials brought at site				
1.09	**Material Laying at site - Steel** TMT bars of size 8mm, 10mm, 12mm, 16mm and 20mm restricted to 90% of element cost	**216020.00**	**Kg**	**Rs. 49.50**	**Rs. 1,06,92,990.00**
				Total Gross Value	**Rs. 7,05,91,559.77**
				Paid in 2nd RA Bill	**Rs. 1,90,24,930.00**
				Paid in 3rd RA Bill	**Rs. 1,43,69,518.00**
				Paid in 4th RA Bill	**Rs. 24,20,254.00**
				Paid in 5th RA Bill	**Rs. 24,26,735.00**
				Paid in 6th RA Bill	**Rs. 23,79,508.00**
				Paid in 7th RA Bill	**Rs. 24,34,809.00**
				Paid in 8th RA Bill	**Rs. 24,81,638.00**
				Gross Value of 9th RA Bill	**Rs. 2,50,54,172.77**
				SAY	**Rs. 2,50,54,171.00**

	RECOVERY DETAILS			
			Gross Value (A)	**Rs. 2,50,54,171.00**
(i)	Schedule B Aggregates (-)	2845961.00		
	a) Already recovered in 3rd RA Bill	1225808.00		
	b) Already recovered in 4th RA Bill	224120.00		
	c) Already recovered in 5th RA Bill	216190.00		
	d) Already recovered in 6th RA Bill	201532.00		
	e) Already recovered in 7th RA Bill	239032.00		
	f) Already recovered in 8th RA Bill	241859.00		
	g) To be recovered in this bill	Rs. 4,97,420.00		Rs. 4,97,420.00
(ii)	Material Laying at site - Steel	5491917.00		
	a) Already recovered in 3rd RA Bill	1601924.00		
	b) Already recovered in 4th RA Bill	324012.00		
	c) Already recovered in 5th RA Bill	424990.00		
	d) Already recovered in 6th RA Bill	399197.00		
	e) Already recovered in 7th RA Bill	364686.00		
	f) Already recovered in 8th RA Bill	217034.00		
	g) To be recovered in this bill	Rs. 21,60,074.00		Rs. 21,60,074.00
(iii)	Security deposit @ 2.5% on Total Gross Value	1764788.99		
	a) Already recovered in 2nd RA Bill	475623.00		
	b) Already recovered in 3rd RA Bill	359238.00		
	c) Already recovered in 4th RA Bill	60506.55		
	d) Already recovered in 5th RA Bill	60668.39		
	e) Already recovered in 6th RA Bill	59487.70		
	f) Already recovered in 7th RA Bill	60870.19		
	g) Already recovered in 8th RA Bill	62041.00		
	h) To be recovered in this bill	Rs. 6,26,354.16		Rs. 6,26,354.16

(iv)	IT @ 2% on Total Gross Value	1411831.20			
	a) Already recovered in 1st RA Bill	99751.00			
	b) Already recovered in 2nd RA Bill	380499.00			
	c) Already recovered in 3rd RA Bill	287390.00			
	d) Already recovered in 4th RA Bill	48405.08			
	e) Already recovered in 5th RA Bill	-51216.33			
	f) Already recovered in 6th RA Bill	47590.16			
	g) Already recovered in 7th RA Bill	48696.15			
	h) Already recovered in 8th RA Bill	49633.00			
	i) To be recovered in this bill	Rs. 5,01,083.14			Rs. 5,01,083.14
(v)	Labour Welfare Cess @ 1% on Total Gross Value	705915.60			
	a) Already recovered in 2nd RA Bill	190249.00			
	b) Already recovered in 3rd RA Bill	143695.00			
	c) Already recovered in 4th RA Bill	24203.02			
	d) Already recovered in 5th RA Bill	24267.35			
	e) Already recovered in 6th RA Bill	23795.09			
	f) Already recovered in 7th RA Bill	24348.07			
	g) Already recovered in 8th RA Bill	24816.00			
	h) To be recovered in this bill	Rs. 2,50,542.07			Rs. 2,50,542.07
(vi)	UGST @ 1% on Total Gross Value	705915.60			
	a) Already recovered in 1st RA Bill	49875.50			
	b) Already recovered in 2nd RA Bill	190249.50			
	c) Already recovered in 3rd RA Bill	143695.00			
	d) Already recovered in 4th RA Bill	24202.52			
	e) Already recovered in 5th RA Bill	-25608.15			
	f) Already recovered in 6th RA Bill	23795.09			
	g) Already recovered in 7th RA Bill	24348.07			
	h) Already recovered in 8th RA Bill	24816.00			
	i) To be recovered in this bill	Rs. 2,50,542.07			Rs. 2,50,542.07
(vii)	CGST @ 1% on Total Gross Value	705915.60			
	a) Already recovered in 1st RA Bill	49875.50			
	b) Already recovered in 2nd RA Bill	190249.50			
	c) Already recovered in 3rd RA Bill	143695.00			501083.00
	d) Already recovered in 4th RA Bill	24202.52			
	e) Already recovered in 5th RA Bill	-25608.15			
	f) Already recovered in 6th RA Bill	23795.09			
	g) Already recovered in 7th RA Bill	24348.07			
	h) Already recovered in 8th RA Bill	24816.00			
	i) To be recovered in this bill	Rs. 2,50,542.07			Rs. 2,50,542.07
					4536556.00
				Total Recovery (B)	Rs. 45,36,557.50
				Net Amount Payable in this Bill (A-B)	Rs. 2,05,17,613.50
				Says	Rs. 2,05,17,613.00
					2,05,17,613.00

Net Amount in words:- (Rupees Two Crore five Lakhs Seventeen Thousand Six Hundred ~~Thirteen~~ Seventeen Only)

Certified that:-

1. The work has been executed as per terms and conditions of the agreement.
2. No material and T & P has been issued from the Department.
3. Own arrangements for water has been made.
4. No Labour Complaints has been received.
5. Requisite technical staff has been employed as per agreement.
6. Up to date recoveries have been effected in this bill.
7. All Mandatory Test have been conducted.

Signature of the Contractor

Signature of the AE

Signature of the EE (Works)

Ref. Page No. 01 to 21 of TNB:

Authority :- 01 (PBSPL) of 2020-21

N.O.W :- Marine esplanade :- Marina road restructuring with uniform carriage way walking track street lighting street furniture, Service ore trenching & land scaping.

Agency :- M/s Surendra Infrastructure (P) Ltd.

Gross value of Bill up to 9th RA → 7,05,91,560/-
Already paid up to 8th RA Bill → 455,37,387/-
Gross value of 9th RA Bill → 2,50,54,173/-

Ded

(i) SD deposit @ 2.5% on GIV → 1764784/-
Already deducted upto 8th RA Bill → 1138435/-
now to be deducted → 626354/-

(ii) IT Tax @ 2% on GIV → 1411831/-
Already deducted upto 8th RA Bill → 910748/-
now to be deducted → 501083/-

(iii) Labour cess @ 1% on GIV → 705916/-
Already deducted upto 8th RA Bill → 455374/-
now to be deducted → 250542/-

(iv) TDS on GST @ 2% on GIV → 1411831/-
Already deducted upto 8th RA Bill → 910748/-
now to be deducted → 501083/-

Cont-V

THEORETICAL STATEMENT OF CEMENT UPTO 9th RA BILL

Name of Work:- Marine esplanade: Marina road restructuring with uniform carriage way, walking track, street lighting, street furniture, service core trenching and land scaping.

Agreement No :- 01 (PBSPL) of 2020-21

Agency :- M/s. Surendra Infrastructure (P) Ltd.

S.No	Sch Item No.	Description of Items	Quantity of item in cum	Coefficient	Quantity of cement used in bags
1	1.04	PCC 1:4:8	343.309		
		Cement content		3.410	1170.68
2	1.05&1.07	M-25	249.843		
		Cement content		6.860	1713.92
3	1.08	M-40	1571.095		
		Cement content		8.840	13888.48
		Total			16773.09

16773

16791

Junior Engineer-III

(v) Schedule B Aggregates (-) → 2845961/-
Already deducted upto 8th RA Bill → 2348541/=
now to be deducted → 497420/=

(vi) Material Lowing at-Site-Steel → 5491917/-
Already deducted upto 8th RA Bill → 3331843/=
now to be deducted → 2160074/=

Total deduction → 4536556/-

Net-payable Amount → 20517617/=

Asst-III

9th RA Bill in respect of M/s Surendra Infrastructure (P) Ltd. against Agr. No: 01(PBSPL) of 2020-2021 is passed for ₹ = 2,50,54,173/- (Rupees Two crores fifty lakhs five four thousand one hundred seventy three only).

Executive Engineer-III (Works/SWM)
Municipal Council
Port Blair

payment released for ₹ = 2,05,17,617/-

17/1/22

Accounts Officer
Municipal Council
Port Blair

THEORETICAL STATEMENT

MATERIAL SUPPLIED BY PBMC UPTO 14/09/2021

Name of Work:- Marine esplanade: Marina road restructuring with uniform carriage way, walking track, street lighting, street furniture, service core trenching and land scaping.

Agreement No :- 01 (PBSPL) of 2020-21

Agency :- M/s. Surendra Infrastructure (P) Ltd.

S.No	Description of Material	Quantity	Schedule B Rates in figures material will be charged	Amount
1	Pulverised Sand	749.58	1567.91	1175278.682
2	Stone aggregates 12.5mm	570.24	1544.84	880926.472
3	Stone aggregates 20mm	381.09	1516.82	578037.350
4	Stone aggregates 40mm	144.34	1466.76	211718.005
			Total Amount	**2845960.509**
			Says	**2845961.00**

Junior Engineer-III (Works)

PBMC

Secured Advance against the materials brought at site

Name of Work:- Marine esplanade: Marina road restructuring with uniform carriage way, walking track, street lighting, street furniture, service core trenching and land scaping.

Agreement No :- 01 (PBSPL) of 2020-21

Agency :- M/s. Surendra Infrastructure (P) Ltd.

Serial no of this bill :- 9th RA Bill

S.No	Sch Item No.	Description of Items	Quantity	Unit	Rate Allowed	Amount
1	1.09	Steel TMT Bars	110947.818	Kgs	49.50	5491916.991
					Total Amount	**5491916.99**
					Says	**5491917.00**

4363.669

Junior Engineer-III (Works)
PBMC

Division:- Executive Engineer-III (SWM/MC), Port Blair Municipal Council, Port Blair

(10th R.A BILL)

COMPUTERIZED MEASUREMENT BOOK

(DETAILS OF ABSTRACT)

CMB No:- 285/EE-III/SWM/MC/2021-22

Name of Work: - Marine esplanade: Marina road restructuring with uniform carriage way, walking track, street lighting, street furniture, service core trenching and land scaping.

Name of Contractor: - M/s. Surendra Infrastructure (P) Ltd.

Agreement No.: - 01 (PBSPL) of 2020-2021

Certified that this Computerized measurement book bearing no.285/EE-III/SWM/MC/2021-22 contains **14** leaves serially numbered from pages 01 to 14 and two blank pages without any damage.

Signature of
Contractor

Signature of
Assistant Engineer

Signature of
Executive Engineer

ABSTRACT OF COST

(10th R.A Bill)

Name of Work:- Marine esplanade: Marina road restructuring with uniform carriage way, walking track, street lighting, street furniture, service core trenching and land scaping.

Agreement No. :- 01 (PBSPL) of 2020-2021

Name of Agency :- M/s. Surendra Infrastructure (P) Ltd.

Date of Commencement:- 07.12.2020

Date of Completion:- In Progress

Reference to previous measurement, if any :- NIL

Serial no. of this bill :- 10th RA Bill

CMB no. of this bill :- 285/EE-III/SWM/MC/2021-22

Date of Abstract:-

Item No.	Particulars	Quantity	Unit	Rate	Amount
1	**CIVIL WORKS**				
1.01	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m. a) All kinds of soil.				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.01 (2nd R.A Bill Qty)	17.617			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.01 (3rd R.A Bill Qty)	139.362			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.01 (4th R.A Bill Qty)	54.283			
	Qty b/f CMB No.267/EE-III/SWM/MC/2020-21 vide page no.01 (8th R.A Bill Qty)	69.113			
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.01 (9th R.A Bill Qty)	2902.781			
	Total	**3183.156**	**Cum**	**Rs. 225.00**	**Rs. 716,210.10**
1.02	Excavation work by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m. Hard rock (blasting prohibited)				
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.01 (9th R.A Bill Qty)	242.226			
	Total	**242.226**	**Cum**	**Rs. 500.00**	**Rs. 121,113.00**
1.03	Filling with available pulverised sand				
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.01 (9th R.A Bill Qty)	144.052			
	Total	**144.052**	**Cum**	**Rs. 3,400.00**	**Rs. 489,776.80**

1.04	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:4:8 (1 Cement : 4 coarse sand (Zone III) : 8 graded stone aggregate 40 mm nominal size)				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.01 (2nd R.A Bill Qty)	11.242			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.02 (3rd R.A Bill Qty)	85.005			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.01 (4th R.A Bill Qty)	11.369			
	Qty b/f CMB No.235/EE-III/SWM/MC/2020-21 vide page no.01 (5th R.A Bill Qty)	8.928			
	Qty b/f CMB No.241/EE-III/SWM/MC/2020-21 vide page no.01 (6th R.A Bill Qty)	2.864			
	Qty b/f CMB No.243/EE-III/SWM/MC/2020-21 vide page no.01 (7th R.A Bill Qty)	13.392			
	Qty b/f CMB No.267/EE-III/SWM/MC/2020-21 vide page no.02 (8th R.A Bill Qty)	15.993			
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.02 (9th R.A Bill Qty)	194.516			
	Total	**343.309**	**Cum**	**Rs. 9,250.00**	**Rs. 3,175,608.25**
1.05	Providing and laying in position machine batched and machine mixed design mix M-25 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying but excluding the cost of centering, shuttering, finishing and reinforcement, including admixtures in recommended proportions as per IS: 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer-in-charge."(Note :- Cement content considered in this item is @ 330 kg/cum."Excess/ less cement used as per design mix is payable/recoverable separately). All works upto plinth level				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.01 (2nd R.A Bill Qty)	10.528			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.03 (3rd R.A Bill Qty)	320.952			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.02 (4th R.A Bill Qty)	59.176			
	Qty b/f CMB No.235/EE-III/SWM/MC/2020-21 vide page no.02 (5th R.A Bill Qty)	58.454			
	Qty b/f CMB No.241/EE-III/SWM/MC/2020-21 vide page no.02 (6th R.A Bill Qty)	16.382			
	Qty b/f CMB No.243/EE-III/SWM/MC/2020-21 vide page no.02 (7th R.A Bill Qty)	74.954			
	Qty b/f CMB No.267/EE-III/SWM/MC/2020-21 videpage no.02 (8th R.A Bill Qty)	81.964			
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.04 (9th R.A Bill Qty)	310.818			
	Total	**933.228**	**Cum**	**Rs. 11,000.00**	**Rs. 10,265,508.00**

1.06	Extra for laying RCC in or under water and/or liquid mud, including cost of pumping or bailing out water and removing slush etc., complete.				
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.03 (3rd R.A Bill Qty)	320.702			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.02 (4th R.A Bill Qty)	80.263			
	Qty b/f CMB No.235/EE-III/SWM/MC/2020-21 vide page no.2 (5th R.A Bill Qty)	89.103			
	Qty b/f CMB No.241/EE-III/SWM/MC/2020-21 vide page no.02 (6th R.A Bill Qty)	24.914			
	Qty b/f CMB No.243/EE-III/SWM/MC/2020-21 vide page no.02 (7th R.A Bill Qty)	110.070		202.80 x 650/- = 131820/-	
	Qty b/f CMB No.267/EE-III/SWM/MC/2020-21 vide page no.03 (8th R.A Bill Qty)	68.142		956.888 x 487/50 = 466482.90	
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.04 (9th R.A Bill Qty)	466.494			598302.90
	Total	**1159.688**	**Cum**	**Rs. 650.00**	**Rs. 753,797.20**
1.07	Providing and laying in position machine batched and machine mixed design mix M-25 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying but excluding the cost of centering, shuttering, finishing and reinforcement, including admixtures in recommended proportions as per IS: 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer-in-charge."(Note :- Cement contentconsidered in this item is @ 330 kg/cum."Excess/ less cement used as per design mix is payable/recoverable separately). All works above plinth level upto floor V level				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.02 (2nd R.A Bill Qty)	14.812			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.04 (3rd R.A Bill Qty)	222.185			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.03 (4th R.A Bill Qty)	52.226			
	Qty b/f CMB No.235/EE-III/SWM/MC/2020-21 vide page no.03 (5th R.A Bill Qty)	52.747			
	Qty b/f CMB No.241/EE-III/SWM/MC/2020-21 vide page no.03 (6th R.A Bill Qty)	93.837			
	Qty b/f CMB No.243/EE-III/SWM/MC/2020-21 vide page no.03 (7th R.A Bill Qty)	43.768			
	Qty b/f CMB No.267/EE-III/SWM/MC/2020-21 vide page no.03 (8th R.A Bill Qty)	45.130			
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.06 (9th R.A Bill Qty)	363.021			
	Qty b/f CMB No.284/EE-III/SWM/MC/2021-22 vide page no.04 (10th R.A Bill Qty)	10.341			
	Qty b/f CMB No.284/EE-III/SWM/MC/2021-22 vide page no.06 (10th R.A Bill Qty)	10.341			
	Qty b/f CMB No.284/EE-III/SWM/MC/2021-22 vide page no.08 (10th R.A Bill Qty)	10.341			
	Qty b/f CMB No.284/EE-III/SWM/MC/2021-22 vide page no.10 (10th R.A Bill Qty)	4.204			

	Qty b/f CMB No.284/EE-III/SWM/MC/2021-22 vide page no.11 (10th R.A Bill Qty)	3.595			
	Qty b/f CMB No.284/EE-III/SWM/MC/2021-22 vide page no.12 (10th R.A Bill Qty)	3.168			
	Qty b/f CMB No.284/EE-III/SWM/MC/2021-22 vide page no.13 (10th R.A Bill Qty)	3.064			
	Total	933.675	Cum	Rs. 11,400.00	Rs. 10,643,895.00
	Providing M-25 grade concrete. (Note : Cement content considered as per Design Mix M25 - 343 kg/cbm approved.				
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.05 (3rd R.A Bill Qty)	2003.625			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.03 (4th R.A Bill Qty)	389.337			
	Qty b/f CMB No.267/EE-III/SWM/MC/2020-21 vide page no.04 (8th R.A Bill Qty)	520.130			
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.06 (9th R.A Bill Qty)	334.867			
	Extra for providing M-25 grade concrete. (Note : Cement content considered as per Design Mix M25 - 343 kg/cbm approved. (Qty - 14.926 Cum) Cement Qty =14.926 x 343 = 5119.618 Kg = 14.926 x 330 = 4925.58 Kg Difference Qty = 194.038 Kg	194.038			
	Total	**3441.997**	**Kg**	**Rs. 10.00**	**Rs. 34,419.97**
1.08	Extra for providing richer mixes at all floor levels. Note:- Excess/less cement over the specified cement content used is payable / recoverable separately. Providing M-40 grade concrete instead of M-25 grade BMC/RMC. (Note : Cement content considered in M-40 is @ 360 kg/cum)				
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.05 (3rd R.A Bill Qty)	414.336			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.03 (4th R.A Bill Qty)	81.453			
	Qty b/f CMB No.235/EE-III/SWM/MC/2020-21 vide page no.03 (5th R.A Bill Qty)	111.201			
	Qty b/f CMB No.241/EE-III/SWM/MC/2020-21 vide page no.04 (6th R.A Bill Qty)	110.218			
	Qty b/f CMB No.243/EE-III/SWM/MC/2020-21 vide page no.04 (7th R.A Bill Qty)	118.722			
	Qty b/f CMB No.267/EE-III/SWM/MC/2020-21 vide page no.04 (8th R.A Bill Qty)	75.381			
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.07 (9th R.A Bill Qty)	659.783			
	Qty b/f CMB No.284/EE-III/SWM/MC/2021-22 vide page no.09 (10th R.A Bill Qty)	31.023			
	Total	**1602.117**	**Cum**	**Rs. 320.00**	**Rs. 512,677.44**
	Extra for providing richer mixes M-40 grade concrete. (Note : Cement content considered as per Design Mix M40 - 442 kg/cbm approved.				
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.05 (3rd R.A Bill Qty)	33975.552			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.03 (4th R.A Bill Qty)	6679.146			

	Qty b/f CMB No.235/EE-III/SWM/MC/2020-21 vide page no.03 (5th R.A Bill Qty)	9118.482			
	Qty b/f CMB No.241/EE-III/SWM/MC/2020-21 vide page no.05 (6th R.A Bill Qty)	9037.958			
	Qty b/f CMB No.243/EE-III/SWM/MC/2020-21 vide page no.04 (7th R.A Bill Qty)	9735.204			
	Qty b/f CMB No.267/EE-III/SWM/MC/2020-21 vide page no.04 (8th R.A Bill Qty)	6181.242			
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.08 (9th R.A Bill Qty)	54102.206			
	Extra for providing richer mixes M-40 grade concrete. (Note : Cement content considered as per Design Mix M40 - 442 kg/cbm approved. (Qty - 31.023 Cum) Cement Qty = 31.023 x 442 = 13712.166 Kg = 31.023 x 360 = 11168.28 Kg Difference Qty = 2543.886 Kg	2543.886			
	Total	**131373.676**	**Kg**	**Rs. 10.00**	**Rs. 1,313,736.76**
1.09	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level. A) Thermo-Mechanically Treated bars of grade Fe-500D or more.				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.02 (2nd R.A Bill Qty)	1051.813			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.05 (3rd R.A Bill Qty)	31310.281			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.04 (4th R.A Bill Qty)	6545.698			
	Qty b/f CMB No.235/EE-III/SWM/MC/2020-21 vide page no.04 (5th R.A Bill Qty)	8585.653			
	Qty b/f CMB No.241/EE-III/SWM/MC/2020-21 vide page no.06 (6th R.A Bill Qty)	8064.591			
	Qty b/f CMB No.243/EE-III/SWM/MC/2020-21 vide page no.04 (7th R.A Bill Qty)	7367.385			
	Qty b/f CMB No.267/EE-III/SWM/MC/2020-21 vide page no.05 (8th R.A Bill Qty)	4384.528			
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.10 (9th R.A Bill Qty)	43637.869			
	Qty b/f CMB No.284/EE-III/SWM/MC/2021-22 vide page no.03 (10th R.A Bill Qty)	423.385			
	Qty b/f CMB No.284/EE-III/SWM/MC/2021-22 vide page no.03 (10th R.A Bill Qty)	185.748			
	Qty b/f CMB No.284/EE-III/SWM/MC/2021-22 vide page no.05 (10th R.A Bill Qty)	423.385			
	Qty b/f CMB No.284/EE-III/SWM/MC/2021-22 vide page no.05 (10th R.A Bill Qty)	185.748			
	Qty b/f CMB No.284/EE-III/SWM/MC/2021-22 vide page no.07 (10th R.A Bill Qty)	423.385			
	Qty b/f CMB No.284/EE-III/SWM/MC/2021-22 vide page no.07 (10th R.A Bill Qty)	185.748			
	Qty b/f CMB No.284/EE-III/SWM/MC/2021-22 vide page no.14 (10th R.A Bill Qty)	2010.233			
	Qty b/f CMB No.284/EE-III/SWM/MC/2021-22 vide page no.14 (10th R.A Bill Qty)	2010.233			
	Qty b/f CMB No.284/EE-III/SWM/MC/2021-22 vide page no.15 (10th R.A Bill Qty)	833.328			
		117629.011	**Kg**	**Rs. 91.00**	**Rs. 10,704,240.00**

1.1	12 mm plaster 1:4				
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.10 (9th R.A Bill Qty)	1672.905			
		1672.905	**Sqm**	**Rs. 370.00**	**Rs. 618,974.85**
1.11	Centering and shuttering including strutting, propping etc. and removal of form work for : Foundations, footings, bases for columns				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.02 (2nd R.A Bill Qty)	50.400			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.07 (3rd R.A Bill Qty)	267.000			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.04 (4th R.A Bill Qty)	23.630			
	Qty b/f CMB No.235/EE-III/SWM/MC/2020-21 vide page no.04 (5th R.A Bill Qty)	26.800			
	Qty b/f CMB No.241/EE-III/SWM/MC/2020-21 vide page no.06 (6th R.A Bill Qty)	11.320			
	Qty b/f CMB No.243/EE-III/SWM/MC/2020-21 vide page no.05 (7th R.A Bill Qty)	40.200			
	Qty b/f CMB No.267/EE-III/SWM/MC/2020-21 vide page no.05 (8th R.A Bill Qty)	30.480			
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.11 (9th R.A Bill Qty)	149.200			
	Total	**599.030**	**Sqm**	**Rs. 340.00**	**Rs. 203,670.20**
1.12	Centering and shuttering including strutting, propping etc. and removal of form work for : Retaining walls, return walls, walls (any thickness) including attached pilasters, butteresses, plinth and string courses fillets, kerbs and steps etc.				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.02 (2nd R.A Bill Qty)	142.478			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.08 (3rd R.A Bill Qty)	1784.236			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.04 (4th R.A Bill Qty)	542.815			
	Qty b/f CMB No.235/EE-III/SWM/MC/2020-21 vide page no.05 (5th R.A Bill Qty)	234.276			
	Qty b/f CMB No.241/EE-III/SWM/MC/2020-21 vide page no.07 (6th R.A Bill Qty)	383.468			
	Qty b/f CMB No.243/EE-III/SWM/MC/2020-21 vide page no.05 (7th R.A Bill Qty)	197.338			
	Qty b/f CMB No.267/EE-III/SWM/MC/2020-21 vide page no.06 (8th R.A Bill Qty)	604.812			
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.13 (9th R.A Bill Qty)	1768.461			
	Qty b/f CMB No.284/EE-III/SWM/MC/2021-22 vide page no.04 (10th R.A Bill Qty)	41.918			
	Qty b/f CMB No.284/EE-III/SWM/MC/2021-22 vide page no.06 (10th R.A Bill Qty)	41.918			
	Qty b/f CMB No.284/EE-III/SWM/MC/2021-22 vide page no.08 (10th R.A Bill Qty)	41.918			

	Qty b/f CMB No.284/EE-III/SWM/MC/2021-22 vide page no.10 (10th R.A Bill Qty)	21.020			
	Qty b/f CMB No.284/EE-III/SWM/MC/2021-22 vide page no.11 (10th R.A Bill Qty)	17.970			
	Qty b/f CMB No.284/EE-III/SWM/MC/2021-22 vide page no.12 (10th R.A Bill Qty)	15.820			
	Qty b/f CMB No.284/EE-III/SWM/MC/2021-22 vide page no.13 (10th R.A Bill Qty)	19.820			
	Total	**5858.268**	**Sqm**	**Rs. 570.00**	**Rs. 3,339,212.76**
1.13	Centering and shuttering including strutting, propping etc. and removal of form for all heights : Extra for shuttering in circular work (20% of respective centering and shutttering items)				
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.05 (4th R.A Bill Qty)	50.597			
	Qty b/f CMB No.235/EE-III/SWM/MC/2020-21 vide page no.05 (5th R.A Bill Qty)	37.948			
	Qty b/f CMB No.241/EE-III/SWM/MC/2020-21 vide page no.07 (6th R.A Bill Qty)	59.749			
	Qty b/f CMB No.243/EE-III/SWM/MC/2020-21 vide page no.05 (7th R.A Bill Qty)	12.649			
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.13 (9th R.A Bill Qty)	138.574			
	Qty b/f CMB No.284/EE-III/SWM/MC/2021-22 vide page no.09 (10th R.A Bill Qty)	37.948			
	Total	**337.465**	**Sqm**	**Rs. 150.00**	**Rs. 50,619.75**
1.17	Providing and laying factory made chamfered edge Cement Concrete paver blocks in foot path, park & lawns driveway or light & traffic parking etc. of required strength, thickness & size/shape, made by table vibratory method using PU mould, laid in required colour & pattern over 50 mm thick compacted bed of course sand, compacting and proper embedding/laying of inter locking paver blocks unto the sand bedding layer through vibratory compaction by using plate vibrator, filling the joints with sand and cutting of paver blocks as per required size and pattern, finishing and sweeping extra sand, all complete as per manufacturer's specifications & direction of Engineer-in-Charge. 80mm thick Cement concrete paver block of M-35 grade with approved colour, design & pattern.				
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.14 (9th R.A Bill Qty)	1898.814			
	Qty b/f CMB No.284/EE-III/SWM/MC/2021-22 vide page no.02 (10th R.A Bill Qty)	428.519			
	Total	**2327.333**	**Sqm**	**Rs. 2,300.00**	**Rs. 5,352,865.90**
1.19	Demolishing R.C.C. work manually/ by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge.				
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.14 (9th R.A Bill Qty)	28.211			
	Total	**28.211**	**Cum**	**Rs. 1,100.00**	**Rs. 31,032.10**

1.2	Demolishing cement concrete manually/ by mechanical means and disposal of material within 50 metres lead as per direction of Engineerin-charge. cum Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix)				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.03 (2nd R.A Bill Qty)	2.963			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.08 (3rd R.A Bill Qty)	65.457			
	Qty b/f CMB No.267/EE-III/SWM/MC/2020-21 vide page no.07 (8th R.A Bill Qty)	21.475			
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.14 (9th R.A Bill Qty)	43.554			
	Total	**133.449**	**Cum**	**Rs. 1,100.00**	**Rs. 146,793.90**
2	**ELECTRICAL WORKS**				
2.01	Supply of 8 Mtr. height decorative Chatsworth pole having cast iron decorative base and pipe dia of 165mm dia & 1 mtr long with cast iron reducer joining with 101mm OD straight pipe. Pole shall be mounted on square base plate. Decorative Cascade bracket with 940mm height mounted on pole. Pole and two brackets at differential height shall be galvanized and painted with PU paint in closed paint chamber with heating treatment in chamber. Make: Surya				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.03 (2nd R.A Bill Qty)	50.000			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.08 (3rd R.A Bill Qty)	15.000			
	Total	**65.000**	**Nos**	**Rs. 64,000.00**	**Rs. 4,160,000.00**
2.02	Supply of Decorative Luminaires for Urban lighting, body made of painted spun aluminum, The protector is made of polycarbonate grade UVresistant (IK 08), Permanently sealed optical compartment with IP66 protection. Luminaire offers tool free access to gear compartment with IP44 protection. Luminaire can be installed as a suspended luminaire. The luminaire is equipped with the LensoFlex2® technology photometric system. PMMA lenses with wide photometry for increased pole spacing. Fixture is having a surge protection of 10KA. Electronic driver is having power factor>0.90*, THD<20*% and input voltage range from 120-227V AC at 50Hz. Luminaire efficacy is 100 im/ watt system lumen greater than 7500 lumens in CCT range of 4000 as per ANSI. System life of 50000 burning hours with 70% of initial lumens maintained. Luminaire is suitable for operating temperature (Ta) from -20 to 50c. Driver can withstand 320V AC for 48 hours and 360V AC for 2 hours. Make: Surya SLE PT 75W VEGA				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.03 (2nd R.A Bill Qty)	50.000			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.09 (3rd R.A Bill Qty)	15.000			
	Total	**65.000**	**Nos**	**Rs. 40,000.00**	**Rs. 2,600,000.00**

2.03	Supply of Decorative Luminaires for Urban lighting, body made of painted spun aluminum. The protector is made of polycarbonate grade UVresistant (IK 08). Permanently sealed optical compartment with IP66 protection. Luminaire offers tool free access to gear compartment with IP44 protection. Luminaire can be installed as a suspended luminaire. The luminaire is equipped with the LensoFlex2® technology photometric system. PMMA lenses with wide photometry for increased pole spacing. Fixture is having a surge protection of 10KA. Electronic driver is having power factor>0.90*, THD<20*% and input voltage range from 120-227V AC at 50Hz. Luminaire efficacy is 100 lm/ watt system lumen greater than 7500 lumens in CCT range of 4000 as per ANSI. System life of 50000 burning hours with 70% of initial lumens maintained. Luminaire is suitable for operating temperature (Ta) from -20 to 50c. Driver can withstand 320V AC for 48 hours and 360V AC for 2 hours. Make: Surya SLE PT 40W VEGA				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.04 (2nd R.A Bill Qty)	50.000			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.09 (3rd R.A Bill Qty)	15.000			
	Total	**65.000**	**Nos**	**Rs. 33,500.00**	**Rs. 2,177,500.00**
2.04	Providing of XLPE (IS:7098) (I)-88 ISI armoured cable multistrand Aluminium conductor for 1.1 KV. to be laid on wall with necessary clamps or in existing trench/ pipe of 4 core 16 Sq.mm cable.				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.04 (2nd R.A Bill Qty)	1500.000		1950.000 × 275/- = 536250/-	
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.09 (3rd R.A Bill Qty)	1500.000		1050.000 × 206/25 = 216562.50	752812.50
	Total	**3000.000**	**Mtr**	**Rs. 275.00**	**Rs. 825,000.00**
2.05	Supply of 50mm DWC pipes of approved make for covering of cable.				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.04 (2nd R.A Bill Qty)	1200.000		1560.000 × 230/- = 358800/-	
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.10 (3rd R.A Bill Qty)	1200.000		840.000 × 172.50 = 503700/-	
	Total	**2400.000**	**Mtr**	**Rs. 230.00**	**Rs. 552,000.00**
2.06	Supply of Flexible PVC insulated multistrand multicore 1.1 kv grade ISI marked copper wires of following size to be erected as directed 1.50 Sq.mm 3 core round PVC sheathed.				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.04 (2nd R.A Bill Qty)	700.000		910.000 × 255/- = 232050/-	
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.10 (3rd R.A Bill Qty)	700.000		490.000 × 191.25 = 93712.50	325762.50
	Total	**1400.000**	**Mtr**	**Rs. 255.00**	**Rs. 357,000.00**

3	**SUB HEAD : Installation, Testing and Commissioning of Streetlight System**				
3.01	Installation of 8 mtr Decorative Pole including excavation and constructing M-20/1:2:4 cement concrete foundation of size 45 x 45 x 120 cms. Deep as directed by Engineer-in-charge.				
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.17 (9th R.A Bill Qty)	15.000			
	Qty b/f CMB No.284/EE-III/SWM/MC/2021-22 vide page no.15 (10th R.A Bill Qty)	1.000			
	Total	**16.000**	**Nos**	**Rs. 5,550.00**	**Rs. 88,800.00**
3.02	Installation, Testing and Commissioning of 75/40 watt Decorative LED Luminaries.				
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.17 (9th R.A Bill Qty)	30.000			
	Total	**30.000**	**Nos**	**Rs. 700.00**	**Rs. 21,000.00**
3.03	Excavation and laying of DWC pipe at a 90 mm below the ground level/level below PCC in Jogging trek. Item includes refilling of the same trench.				
	Qty b/f CMB No.284/EE-III/SWM/MC/2021-22 vide page no.15 (10th R.A Bill Qty)	540.500			
	Total	**540.500**	**Mtr**	**Rs. 325.00**	**Rs. 175,662.50**
3.04	Laying of 4x16 Sqmm Aluminium armoured cable in existing laid DWC pipe/on wall.				
	Qty b/f CMB No.284/EE-III/SWM/MC/2021-22 vide page no.15 (10th R.A Bill Qty)	500.460			
	Total	**500.460**	**Mtr**	**Rs. 60.00**	**Rs. 30,027.60**
3.05	Erecting of 3 core 1.5 sqmm copper flexible cable in pole from junction box to Luminaries				
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.17 (9th R.A Bill Qty)	300.000			
	Total	**300.000**	**Nos**	**Rs. 42.00**	**Rs. 12,600.00**
	EXTRA ITEM				
1.00	To provide structural design analysis with strucutal reinforcement details for construction of siutable wall section for the proposed construction of sea wall in front of Girls School along with the sea coast to a height of 3.00 mtrs suggesting appropriate section, designing of section and supply of detailed working drawings in CAD format 04 sets of CD and also vetted by any reconginised engineering college by Govt of India complete.				
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.17 (9th R.A Bill Qty)	1.000			
	Total	**1.000**	**Nos**	**Rs. 69,620.00**	**Rs. 69,620.00**
2.00	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including getting out and disposal of excavated earth lead upto 50 m and lift upto 1.5 m, as directed by Engineer-in-charge. All kinds of soil.				
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.17 (9th R.A Bill Qty)	4739.630			
	Total	**4739.630**	**Cum**	**Rs. 242.00**	**Rs. 1,146,990.46**

3.00	Carriage of Materials by mechanical transport including loading, unloading and stacking of earth for a lead of 05 kms.				
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.17 (9th R.A Bill Qty)	4739.630			
	Total	**4739.630**	**Cum**	**Rs. 228.23**	**Rs. 1,081,725.75**
4.00	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m.				
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.17 (9th R.A Bill Qty)	4667.865			
	Total	**4667.865**	**Cum**	**Rs. 197.00**	**Rs. 919,569.41**
				Total Workdone Amount	**Rs. 62,691,647.70**
	Secured Advance against the materials brought at site				-6,238,427.90
1.09	**Material Laying at site - Steel** TMT bars of size 8mm, 10mm, 12mm, 16mm and 20mm restricted to 90% of element cost	**216020.00**	**Kg**	**Rs. 49.50**	**Rs. 10,692,990.00** 7307417.90
		73077418		**Total Gross Value**	**Rs. 73,384,637.70**
				Paid in 2nd RA Bill	**Rs. 19,024,930.00**
				Paid in 3rd RA Bill	**Rs. 14,369,518.00**
				Paid in 4th RA Bill	**Rs. 2,420,254.00**
				Paid in 5th RA Bill	**Rs. 2,426,735.00**
				Paid in 6th RA Bill	**Rs. 2,379,508.00**
				Paid in 7th RA Bill	**Rs. 2,434,809.00**
				Paid in 8th RA Bill	**Rs. 2,481,635.00**
		25054173		**Paid in 9th RA Bill**	**Rs. 25,068,308.00**
		24858581		**Gross Value of 10th RA Bill**	**Rs. 2,778,940.70**
				SAY	**Rs. 2,778,941.00**

2

24,71,721
24,85,858
24,71,721

RECOVERY DETAILS

			Gross Value (A) **Rs. 2,778,941.00**
(i)	Schedule B Aggregates (-)	2777387.00	
	a) Already recovered in 3rd RA Bill	1225808.00	
	b) Already recovered in 4th RA Bill	224120.00	
	c) Already recovered in 5th RA Bill	216190.00	
	d) Already recovered in 6th RA Bill	201532.00	
	e) Already recovered in 7th RA Bill	239032.00	
	f) Already recovered in 8th RA Bill	241859.00	
	g) Already recovered in 9th RA Bill	428846.00	
	h) To be recovered in this bill	Rs. 0.00	Rs. 0.00

(ii)	Material Laying at site - Steel		
	a) Already recovered in 3rd RA Bill	5822636.00	
	b) Already recovered in 4th RA Bill	1601924.00	
	c) Already recovered in 5th RA Bill	324012.00	
	d) Already recovered in 6th RA Bill	424990.00	
	e) Already recovered in 7th RA Bill	399197.00	
	f) Already recovered in 8th RA Bill	364686.00	
	g) Already recovered in 9th RA Bill	217034.00	
	h) To be recovered in this bill	2160074.00	
		Rs. 330.719.00	Rs. 330.719.00
(iii)	Security deposit @ 2.5% on Total Gross Value	4834615.94 1826935/-	
	a) Already recovered in 2nd RA Bill	475623.00	
	b) Already recovered in 3rd RA Bill	359238.00	
	c) Already recovered in 4th RA Bill	60506.55	
	d) Already recovered in 5th RA Bill	60668.39	
	e) Already recovered in 6th RA Bill	59487.70	
	f) Already recovered in 7th RA Bill	60870.19	
	g) Already recovered in 8th RA Bill	62041.00	621460/-
	h) Already recovered in 9th RA Bill	626707.61 626354	61393/-
	i) To be recovered in this bill	Rs. 69.473.50	Rs. 69.473.50
(iv)	IT @ 2% on Total Gross Value	1467692.75 1461548/-	
	a) Already recovered in 1st RA Bill	99751.00	
	b) Already recovered in 2nd RA Bill	380499.00	
	c) Already recovered in 3rd RA Bill	287390.00	
	d) Already recovered in 4th RA Bill	48405.08	
	e) Already recovered in 5th RA Bill	-51216.33	
	f) Already recovered in 6th RA Bill	47590.16	
	g) Already recovered in 7th RA Bill	48696.15	49717/-
	h) Already recovered in 8th RA Bill	49633.00	49434/-
	i) Already recovered in 9th RA Bill	501365.89 501083	
	j) To be recovered in this bill	Rs. 55.578.80	Rs. 55.578.80
(v)	Labour Welfare Cess @ 1% on Total Gross Value	733846.38 730774/-	
	a) Already recovered in 2nd RA Bill	190249.00	
	b) Already recovered in 3rd RA Bill	143695.00	
	c) Already recovered in 4th RA Bill	24203.02	
	d) Already recovered in 5th RA Bill	24267.35	
	e) Already recovered in 6th RA Bill	23795.09	
	f) Already recovered in 7th RA Bill	24348.07	
	g) Already recovered in 8th RA Bill	24816.00	24859/-
	h) Already recovered in 9th RA Bill	250683.44 250542/-	24717/-
	i) To be recovered in this bill	Rs. 27.789.41	Rs. 27.789.41
(vi)	UGST @ 1% on Total Gross Value	733846.38 730774/-	
	a) Already recovered in 1st RA Bill	49875.50	
	b) Already recovered in 2nd RA Bill	190249.50	
	c) Already recovered in 3rd RA Bill	143695.00	
	d) Already recovered in 4th RA Bill	24202.52	

	e) Already recovered in 5th RA Bill	-25608.15	
	f) Already recovered in 6th RA Bill	23795.09	
	g) Already recovered in 7th RA Bill	24348.07	
	h) Already recovered in 8th RA Bill	24816.00	
	i) Already recovered in 9th RA Bill	250683.44	2505421-
	j) To be recovered in this bill	Rs. 27,789.41	24859/- 24717/- 26477/- Rs. 27,789.41
(vii)	CGST @ 1% on Total Gross Value	713816.38	730774/-
	a) Already recovered in 1st RA Bill	49875.50	
	b) Already recovered in 2nd RA Bill	190249.50	
	c) Already recovered in 3rd RA Bill	143695.00	
	d) Already recovered in 4th RA Bill	24202.52	
	e) Already recovered in 5th RA Bill	-25608.15	
	f) Already recovered in 6th RA Bill	23795.09	
	g) Already recovered in 7th RA Bill	24348.07	
	h) Already recovered in 8th RA Bill	24816.00	
	i) Already recovered in 9th RA Bill	250683.44	2505421-
	j) To be recovered in this bill	Rs. 27,789.41	24859/- 24717/- 26477/- Rs. 27,789.41
		Total Recovery (B)	517158/- 516097/- Rs. 539,139.53
		Net Amount Payable in this Bill (A-B)	Rs. 2,239,801.47
		Says	1968,800/- Rs. 2,239,801.00

Net Amount in words:- (Rupees ~~Twenty Two~~ Lakhs ~~Thirty Nine~~ Thousand ~~Eight Hundred One~~ Only) 1955624/-

Certified that:-

1. The work has been executed as per terms and conditions of the agreement.
2. No material and T & P has been issued from the Department.
3. Own arrangements for water has been made.
4. No Labour Complaints has been received.
5. Requisite technical staff has been employed as per agreement.
6. Up to date recoveries have been effected in this bill.
7. All Mandatory Test have been conducted.

Signature of the Contractor

Signature of the AE

Signature of the EE (Works)

Ref. Page No. 01 to 14 of TNB

Authority :- 01 (PBSPL) of 2020-2021

N.O.W :- Marina esplanade : Marina road restructuring with Uniform carriage way, walking track, street lighting street furniture, service core trenching & land scaping.

Agency :- M/s Surendra Infrasture (P) Ltd.

Total Gross value of work done → 7,30,77,418/-
Already paid up to 9th RA Bill → 7,05,91,560/-
Gross value of 10th RA Bill → 24,85,858/-

Ded

(i) SI deposit @ 2.5% on GRV → 1826935/-
Already deducted up to 9th RA Bill → 1764789/-
now to be deducted. → 62146/-

(ii) ITax @ 2% on GRV → 1461548/-
Already deducted up to 9th RA Bill → 1411831/-
now to be deducted. → 49717/-

(iii) Labour cess @ 1% on GRV → 730775/-
Already deducted up to 9th RA Bill → 705916/-
now to be deducted. → 24859/-

(iv) TDS on GST @ 2% on GRV → 1461548/-
Already deducted up to 9th RA Bill → 1411831/-
now to be deducted → 49717/-

(v) Material laying at site-Steel → 5822636/-
Already deducted up to 9th RA Bill → 5491917/-
now to be deducted. → 330719/-

Contd...

Secured Advance against the materials brought at site

Name of Work:- **Marine esplanade: Marina road restructuring with uniform carriage way, walking track, street lighting, street furniture, service core trenching and land scaping.**

Agreement No :- 01 (PBSPL) of 2020-21

Agency :- M/s. Surendra Infrastructure (P) Ltd.

Serial no of this bill :- 10th RA Bill

S.No	Sch Item No.	Description of Items	Quantity	Unit	Rate Allowed	Amount
1	1.09	Steel TMT Bars	117629.011	Kgs	49.50	5822636.045
					Total Amount	**5822636.04**
					Says	**5822636.00**

Junior Engineer-III (Works)
PBMC

Total deduction → 5,17,158/-
net payable Amount → 19,68,700/-

10th RA Bill in respect of M/s Surendra Infra-structure (P) Ltd against Agr no: 01(PBSPL) of 2020-2021 is passed for ₹= 24,85,858/- (Rupees Twenty four lakhs eighty five thousand eight hundred fifty eight only).

Executive Engineer III (Works)
Municipal Council
Port Blair

payment released for ₹- 19,68,700/-

लेखा अधिकारी
ACCOUNTS OFFICER
नगरपालिका परिषद
Municipal Council

THEORETICAL STATEMENT

Name of Work:- Marine esplanade: Marina road restructuring with uniform carriage way, walking track, street lighting, street furniture, service core trenching and land scaping.

Agreement No :- 01 (PBSPL) of 2020-21

Agency :- M/s. Surendra Infrastructure (P) Ltd.

Serial no of this bill :- 10th RA Bill

S.No	Sch Item No.	Description of Items	Quantity	Unit	Coefficient	Quantity
1	1.07	**M-25 (above Plinth)**	14.926	Cum		
		Cement		Bags	6.860	102.392
		Pulverised Sand		Cum	0.486	7.254
		Stone aggregates 20mm		Cum	0.285	4.254
		Stone aggregates 12.5mm		Cum	0.426	6.358
2	1.08	**M-40**	31.023	Cum		
		Cement		Bags	8.840	274.243
		Pulverised Sand		Cum	0.454	14.084
		Stone aggregates 20mm		Cum	0.277	8.593
		Stone aggregates 12.5mm		Cum	0.415	12.875

Assistant Engineer-III (R/Works)
PBMC

Division:- Executive Engineer-III (SWM/MC), Port Blair Municipal Council, Port Blair

(11th R.A BILL)

COMPUTERIZED MEASUREMENT BOOK

(DETAILS OF ABSTRACT)

CMB No:- 287/EE-III/SWM/MC/2021-22

Name of Work: - Marine esplanade: Marina road restructuring with uniform carriage way, walking track, street lighting, street furniture, service core trenching and land scaping.

Name of Contractor: - M/s. Surendra Infrastructure (P) Ltd.

Agreement No.: - 01 (PBSPL) of 2020-2021

Certified that this Computerized measurement book bearing no.287/EE-III/SWM/MC/2021-22 contains **14** leaves serially numbered from pages 01 to 14 and two blank pages without any damage.

Signature of
Contractor

Signature of
Assistant Engineer

Signature of
Executive Engineer

ABSTRACT OF COST

(11th R.A Bill)

Name of Work:- Marine esplanade: Marina road restructuring with uniform carriage way, walking track, street lighting, street furniture, service core trenching and land scaping.

Agreement No. :- 01 (PBSPL) of 2020-2021

Name of Agency :- M/s. Surendra Infrastructure (P) Ltd.

Date of Commencement:- 07.12.2020

Date of Completion:- In Progress

Reference to previous measurement, if any :- NIL.

Serial no. of this bill :- 11th RA Bill

CMB no. of this bill :- 287/EE-III/SWM/MC/2021-22

Date of Abstract:-

Item No.	Particulars	Quantity	Unit	Rate	Amount
1	**CIVIL WORKS**				
1.01	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m. a) All kinds of soil.				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.01 (2nd R.A Bill Qty)	17.617			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.01 (3rd R.A Bill Qty)	139.362			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.01 (4th R.A Bill Qty)	54.283			
	Qty b/f CMB No.267/EE-III/SWM/MC/2020-21 vide page no.01 (8th R.A Bill Qty)	69.113			
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.01 (9th R.A Bill Qty)	2902.781			
	Total	**3183.156**	**Cum**	**Rs. 225.00**	**Rs. 716,210.10**
1.02	Excavation work by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m. Hard rock (blasting prohibited)				
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.01 (9th R.A Bill Qty)	242.226			
	Total	**242.226**	**Cum**	**Rs. 500.00**	**Rs. 121,113.00**
1.03	Filling with available pulverised sand				
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.01 (9th R.A Bill Qty)	144.052			
	Qty b/f CMB No.286/EE-III/SWM/MC/2021-22 vide page no.01 (11th R.A Bill Qty)	15.969			
	Total	**160.021**	**Cum**	**Rs. 3,400.00**	**Rs. 544,071.40**

1.04	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:4:8 (1 Cement : 4 coarse sand (Zone III) : 8 graded stone aggregate 40 mm nominal size)				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.01 (2nd R.A Bill Qty)	11.242			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.02 (3rd R.A Bill Qty)	85.005			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.01 (4th R.A Bill Qty)	11.369			
	Qty b/f CMB No.235/EE-III/SWM/MC/2020-21 vide page no.01 (5th R.A Bill Qty)	8.928			
	Qty b/f CMB No.241/EE-III/SWM/MC/2020-21 vide page no.01 (6th R.A Bill Qty)	2.864			
	Qty b/f CMB No.243/EE-III/SWM/MC/2020-21 vide page no.01 (7th R.A Bill Qty)	13.392			
	Qty b/f CMB No.267/EE-III/SWM/MC/2020-21 vide page no.02 (8th R.A Bill Qty)	15.993			
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.02 (9th R.A Bill Qty)	194.516			
	Qty b/f CMB No.286/EE-III/SWM/MC/2021-22 vide page no.01 (11th R.A Bill Qty)	15.969			
	Total	**359.278**	**Cum**	**Rs. 9,250.00**	**Rs. 3,323,321.50**
1.05	Providing and laying in position machine batched and machine mixed design mix M-25 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying but excluding the cost of centering, shuttering, finishing and reinforcement, including admixtures in recommended proportions as per IS: 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer-in-charge."(Note :- Cement content considered in this item is @ 330 kg/cum."Excess/ less cement used as per design mix is payable/recoverable separately). All works upto plinth level				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.01 (2nd R.A Bill Qty)	10.528			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.03 (3rd R.A Bill Qty)	320.952			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.02 (4th R.A Bill Qty)	59.176			
	Qty b/f CMB No.235/EE-III/SWM/MC/2020-21 vide page no.02 (5th R.A Bill Qty)	58.454			
	Qty b/f CMB No.241/EE-III/SWM/MC/2020-21 vide page no.02 (6th R.A Bill Qty)	16.382			
	Qty b/f CMB No.243/EE-III/SWM/MC/2020-21 vide page no.02 (7th R.A Bill Qty)	74.954			
	Qty b/f CMB No.267/EE-III/SWM/MC/2020-21 videpage no.02 (8th R.A Bill Qty)	81.964			
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.04 (9th R.A Bill Qty)	310.818			
	Total	**933.228**	**Cum**	**Rs. 11,000.00**	**Rs. 10,265,508.00**

1.06	Extra for laying RCC in or under water and/or liquid mud, including cost of pumping or bailing out water and removing slush etc., complete.				
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.03 (3rd R.A Bill Qty)	320.702			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.02 (4th R.A Bill Qty)	80.263			
	Qty b/f CMB No.235/EE-III/SWM/MC/2020-21 vide page no.2 (5th R.A Bill Qty)	89.103			
	Qty b/f CMB No.241/EE-III/SWM/MC/2020-21 vide page no.02 (6th R.A Bill Qty)	24.914			
	Qty b/f CMB No.243/EE-III/SWM/MC/2020-21 vide page no.02 (7th R.A Bill Qty)	110.070		202.8 x	650/- 131820/-
	Qty b/f CMB No.267/EE-III/SWM/MC/2020-21 vide page no.03 (8th R.A Bill Qty)	68.142		956.888 x	487/50.- 466482.9
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.04 (9th R.A Bill Qty)	466.494		P.R.	598302.90
	Total	**1159.688**	**Cum**	**Rs. 650.00**	**Rs. 753,797.20**
1.07	Providing and laying in position machine batched and machine mixed design mix M-25 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying but excluding the cost of centering, shuttering, finishing and reinforcement, including admixtures in recommended proportions as per IS: 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer-in-charge."(Note :- Cement contentconsidered in this item is @ 330 kg/cum."Excess/ less cement used as per design mix is payable/recoverable separately). All works above plinth level upto floor V level				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.02 (2nd R.A Bill Qty)	14.812			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.04 (3rd R.A Bill Qty)	222.185			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.03 (4th R.A Bill Qty)	52.226			
	Qty b/f CMB No.235/EE-III/SWM/MC/2020-21 vide page no.03 (5th R.A Bill Qty)	52.747			
	Qty b/f CMB No.241/EE-III/SWM/MC/2020-21 vide page no.03 (6th R.A Bill Qty)	93.837			
	Qty b/f CMB No.243/EE-III/SWM/MC/2020-21 vide page no.03 (7th R.A Bill Qty)	43.768			
	Qty b/f CMB No.267/EE-III/SWM/MC/2020-21 vide page no.03 (8th R.A Bill Qty)	45.130			
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.06 (9th R.A Bill Qty)	363.021			
	Qty b/f CMB No.285/EE-III/SWM/MC/2021-22 vide page no.04 (10th R.A Bill Qty)	45.949			
	Qty b/f CMB No.286/EE-III/SWM/MC/2021-22 vide page no.05 (11th R.A Bill Qty)	110.903			
	Qty b/f CMB No.286/EE-III/SWM/MC/2021-22 vide page no.06 (11th R.A Bill Qty)	6.846			
	Qty b/f CMB No.286/EE-III/SWM/MC/2021-22 vide page no.07 (11th R.A Bill Qty)	10.714			
	Qty b/f CMB No.286/EE-III/SWM/MC/2021-22 vide page no.08 (11th R.A Bill Qty)	3.098			
	Total	**1065.236**	**Cum**	**Rs. 11,400.00**	**Rs. 12,143,690.40**

	Providing M-25 grade concrete. (Note : Cement content considered as per Design Mix M25 - 343 kg/cbm approved.				
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.05 (3rd R.A Bill Qty)	2003.625			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.03 (4th R.A Bill Qty)	389.337			
	Qty b/f CMB No.267/EE-III/SWM/MC/2020-21 vide page no.04 (8th R.A Bill Qty)	520.130			
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.06 (9th R.A Bill Qty)	334.867			
	Qty b/f CMB No.285/EE-III/SWM/MC/2020-21 vide page no.04 (10th R.A Bill Qty)	194.038			
	Extra for providing M-25 grade concrete. (Note : Cement content considered as per Design Mix M25 - 343 kg/cbm approved. (Qty - 131.561 Cum) Cement Qty =131.561 x 343 = 45125.423 Kg = 131.561 x 330 = 43415.13 Kg Difference Qty = 1710.293 Kg	1710.293			
	Total	**5152.290**	**Kg**	**Rs. 10.00**	**Rs. 51,522.90**
1.08	Extra for providing richer mixes at all floor levels. Note: Excess/less cement over the specified cement content used is payable / recoverable separately. Providing M-40 grade concrete instead of M-25 grade BMC/RMC. (Note : Cement content considered in M-40 is @ 360 kg/cum)				
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.05 (3rd R.A Bill Qty)	414.336			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.03 (4th R.A Bill Qty)	81.453			
	Qty b/f CMB No.235/EE-III/SWM/MC/2020-21 vide page no.03 (5th R.A Bill Qty)	111.201			
	Qty b/f CMB No.241/EE-III/SWM/MC/2020-21 vide page no.04 (6th R.A Bill Qty)	110.218			
	Qty b/f CMB No.243/EE-III/SWM/MC/2020-21 vide page no.04 (7th R.A Bill Qty)	118.722			
	Qty b/f CMB No.267/EE-III/SWM/MC/2020-21 vide page no.04 (8th R.A Bill Qty)	75.381			
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.07 (9th R.A Bill Qty)	659.783			
	Qty b/f CMB No.285/EE-III/SWM/MC/2020-21 vide page no.04 (10th R.A Bill Qty)	31.023			
	Total	**1602.117**	**Cum**	**Rs. 320.00**	**Rs. 512,677.44**
	Extra for providing richer mixes M-40 grade concrete. (Note : Cement content considered as per Design Mix M40 - 442 kg/cbm approved.				
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.05 (3rd R.A Bill Qty)	33975.552			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.03 (4th R.A Bill Qty)	6679.146			
	Qty b/f CMB No.235/EE-III/SWM/MC/2020-21 vide page no.03 (5th R.A Bill Qty)	9118.482			
	Qty b/f CMB No.241/EE-III/SWM/MC/2020-21 vide page no.05 (6th R.A Bill Qty)	9037.958			
	Qty b/f CMB No.243/EE-III/SWM/MC/2020-21 vide page no.04 (7th R.A Bill Qty)	9735.204			

	Qty b/f CMB No.267/EE-III/SWM/MC/2020-21 vide page no.04 (8th R.A Bill Qty)	6181.242			
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.08 (9th R.A Bill Qty)	54102.206			
	Qty b/f CMB No.285/EE-III/SWM/MC/2020-21 vide page no.05 (10th R.A Bill Qty)	2543.886			
	Total	**131373.676**	**Kg**	**Rs. 10.00**	**Rs. 1,313,736.76**
1.09	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level. A) Thermo-Mechanically Treated bars of grade Fe-500D or more.				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.02 (2nd R.A Bill Qty)	1051.813			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.05 (3rd R.A Bill Qty)	31310.281			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.04 (4th R.A Bill Qty)	6545.698			
	Qty b/f CMB No.235/EE-III/SWM/MC/2020-21 vide page no.04 (5th R.A Bill Qty)	8585.653			
	Qty b/f CMB No.241/EE-III/SWM/MC/2020-21 vide page no.06 (6th R.A Bill Qty)	8064.591			
	Qty b/f CMB No.243/EE-III/SWM/MC/2020-21 vide page no.04 (7th R.A Bill Qty)	7367.385			
	Qty b/f CMB No.267/EE-III/SWM/MC/2020-21 vide page no.05 (8th R.A Bill Qty)	4384.528			
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.10 (9th R.A Bill Qty)	43637.869			
	Qty b/f CMB No.285/EE-III/SWM/MC/2020-21 vide page no.05 (10th R.A Bill Qty)	6681.193			
	Qty b/f CMB No.286/EE-III/SWM/MC/2021-22 vide page no.02 (11th R.A Bill Qty)	2427.482			
	Qty b/f CMB No.286/EE-III/SWM/MC/2021-22 vide page no.02 (11th R.A Bill Qty)	2323.084			
	Qty b/f CMB No.286/EE-III/SWM/MC/2021-22 vide page no.03 (11th R.A Bill Qty)	1755.785			
	Qty b/f CMB No.286/EE-III/SWM/MC/2021-22 vide page no.04 (11th R.A Bill Qty)	789.409			
	Qty b/f CMB No.286/EE-III/SWM/MC/2021-22 vide page no.04 (11th R.A Bill Qty)	789.409			
		125714.180	**Kg**	**Rs. 91.00**	**Rs. 11,439,990.38**
1.1	12 mm plaster 1:4				
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.10 (9th R.A Bill Qty)	1672.905			
		1672.905	**Sqm**	**Rs. 370.00**	**Rs. 618,974.85**
1.11	Centering and shuttering including strutting, propping etc. and removal of form work for : Foundations, footings, bases for columns				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.02 (2nd R.A Bill Qty)	50.400			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.07 (3rd R.A Bill Qty)	267.000			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.04 (4th R.A Bill Qty)	23.630			
	Qty b/f CMB No.235/EE-III/SWM/MC/2020-21 vide page no.04 (5th R.A Bill Qty)	26.800			

	Qty b/f CMB No.241/EE-III/SWM/MC/2020-21 vide page no.06 (6th R.A Bill Qty)	11.320			
	Qty b/f CMB No.243/EE-III/SWM/MC/2020-21 vide page no.05 (7th R.A Bill Qty)	40.200			
	Qty b/f CMB No.267/EE-III/SWM/MC/2020-21 vide page no.05 (8th R.A Bill Qty)	30.480			
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.11 (9th R.A Bill Qty)	149.200			
	Total	**599.030**	**Sqm**	**Rs. 340.00**	**Rs. 203,670.20**
1.12	Centering and shuttering including strutting, propping etc. and removal of form work for : Retaining walls, return walls, walls (any thickness) including attached pilasters, butteresses, plinth and string courses fillets, kerbs and steps etc.				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.02 (2nd R.A Bill Qty)	142.478			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.08 (3rd R.A Bill Qty)	1784.236			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.04 (4th R.A Bill Qty)	542.815			
	Qty b/f CMB No.235/EE-III/SWM/MC/2020-21 vide page no.05 (5th R.A Bill Qty)	234.276			
	Qty b/f CMB No.241/EE-III/SWM/MC/2020-21 vide page no.07 (6th R.A Bill Qty)	383.468			
	Qty b/f CMB No.243/EE-III/SWM/MC/2020-21 vide page no.05 (7th R.A Bill Qty)	197.338			
	Qty b/f CMB No.267/EE-III/SWM/MC/2020-21 vide page no.06 (8th R.A Bill Qty)	604.812			
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.13 (9th R.A Bill Qty)	1768.461			
	Qty b/f CMB No.285/EE-III/SWM/MC/2020-21 vide page no.07 (10th R.A Bill Qty)	200.384			
	Qty b/f CMB No.286/EE-III/SWM/MC/2021-22 vide page no.05 (11th R.A Bill Qty)	16.208			
	Qty b/f CMB No.286/EE-III/SWM/MC/2021-22 vide page no.06 (11th R.A Bill Qty)	2.803			
	Qty b/f CMB No.286/EE-III/SWM/MC/2021-22 vide page no.07 (11th R.A Bill Qty)	4.500			
	Qty b/f CMB No.286/EE-III/SWM/MC/2021-22 vide page no.08 (11th R.A Bill Qty)	17.815			
	Total	**5899.594**	**Sqm**	**Rs. 570.00**	**Rs. 3,362,768.58**
1.13	Centering and shuttering including strutting, propping etc. and removal of form for all heights : Extra for shuttering in circular work (20% of respective centering and shutttering items)				
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.05 (4th R.A Bill Qty)	50.597			
	Qty b/f CMB No.235/EE-III/SWM/MC/2020-21 vide page no.05 (5th R.A Bill Qty)	37.948			
	Qty b/f CMB No.241/EE-III/SWM/MC/2020-21 vide page no.07 (6th R.A Bill Qty)	59.749			
	Qty b/f CMB No.243/EE-III/SWM/MC/2020-21 vide page no.05 (7th R.A Bill Qty)	12.649			
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.13 (9th R.A Bill Qty)	138.574			
	Qty b/f CMB No.285/EE-III/SWM/MC/2020-21 vide page no.07 (10th R.A Bill Qty)	37.948			
	Total	**337.465**	**Sqm**	**Rs. 150.00**	**Rs. 50,619.75**

1.17	Providing and laying factory made chamfered edge Cement Concrete paver blocks in foot path, park & lawns driveway or light & traffic parking etc. of required strength, thickness & size/shape, made by table vibratory method using PU mould, laid in required colour & pattern over 50 mm thick compacted bed of course sand, compacting and proper embedding/laying of inter locking paver blocks unto the sand bedding layer through vibratory compaction by using plate vibrator, filling the joints with sand and cutting of paver blocks as per required size and pattern, finishing and sweeping extra sand, all complete as per manufacturer's specifications & direction of Engineer-in-Charge. 80mm thick Cement concrete paver block of M-35 grade with approved colour, design & pattern.				
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.14 (9th R.A Bill Qty)	1898.814			
	Qty b/f CMB No.285/EE-III/SWM/MC/2020-21 vide page no.07 (10th R.A Bill Qty)	428.519			
	Total	**2327.333**	**Sqm**	**Rs. 2,300.00**	**Rs. 5,352,865.90**
1.19	Demolishing R.C.C. work manually/ by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge.				
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.14 (9th R.A Bill Qty)	28.211			
	Total	**28.211**	**Cum**	**Rs. 1,100.00**	**Rs. 31,032.10**
1.2	Demolishing cement concrete manually/ by mechanical means and disposal of material within 50 metres lead as per direction of Engineerin-charge. cum Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix)				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.03 (2nd R.A Bill Qty)	2.963			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.08 (3rd R.A Bill Qty)	65.457			
	Qty b/f CMB No.267/EE-III/SWM/MC/2020-21 vide page no.07 (8th R.A Bill Qty)	21.475			
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.14 (9th R.A Bill Qty)	43.554			
	Total	**133.449**	**Cum**	**Rs. 1,100.00**	**Rs. 146,793.90**
2	**ELECTRICAL WORKS**				
2.01	Supply of 8 Mtr. height decorative Chatsworth pole having cast iron decorative base and pipe dia of 165mm dia & 1 mtr long with cast iron reducer joining with 101mm OD straight pipe. Pole shall be mounted on square base plate. Decorative Cascade bracket with 940mm height mounted on pole. Pole and two brackets at differential height shall be galvanized and painted with PU paint in closed paint chamber with heating treatment in chamber, Make: Surya				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.03 (2nd R.A Bill Qty)	50.000			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.08 (3rd R.A Bill Qty)	15.000			
	Total	**65.000**	**Nos**	**Rs. 64,000.00**	**Rs. 4,160,000.00**

2.02	Supply of Decorative Luminaires for Urban lighting, body made of painted spun aluminum, The protector is made of polycarbonate grade UVresistant (IK 08), Permanently sealed optical compartment with IP66 protection. Luminaire offers tool free access to gear compartment with IP44 protection. Luminaire can be installed as a suspended luminaire. The luminaire is equipped with the LensoFlex2® technology photometric system. PMMA lenses with wide photometry for increased pole spacing. Fixture is having a surge protection of 10KA. Electronic driver is having power factor>0.90*, THD<20*% and input voltage range from 120-227V AC at 50Hz. Luminaire efficacy is 100 im/ watt system lumen greater than 7500 lumens in CCT range of 4000 as per ANSI. System life of 50000 burning hours with 70% of initial lumens maintained. Luminaire is suitable for operating temperature (Ta) from -20 to 50c. Driver can withstand 320V AC for 48 hours and 360V AC for 2 hours. Make: Surya SLE PT 75W VEGA				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.03 (2nd R.A Bill Qty)	50.000			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.09 (3rd R.A Bill Qty)	15.000			
	Total	**65.000**	**Nos**	**Rs. 40,000.00**	**Rs. 2,600,000.00**
2.03	Supply of Decorative Luminaires for Urban lighting, body made of painted spun aluminum, The protector is made of polycarbonate grade UVresistant (IK 08), Permanently sealed optical compartment with IP66 protection. Luminaire offers tool free access to gear compartment with IP44 protection. Luminaire can be installed as a suspended luminaire. The luminaire is equipped with the LensoFlex2® technology photometric system. PMMA lenses with wide photometry for increased pole spacing. Fixture is having a surge protection of 10KA. Electronic driver is having power factor>0.90*, THD<20*% and input voltage range from 120-227V AC at 50Hz. Luminaire efficacy is 100 im/ watt system lumen greater than 7500 lumens in CCT range of 4000 as per ANSI. System life of 50000 burning hours with 70% of initial lumens maintained. Luminaire is suitable for operating temperature (Ta) from -20 to 50c. Driver can withstand 320V AC for 48 hours and 360V AC for 2 hours. Make: Surya SLE PT 40W VEGA				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.04 (2nd R.A Bill Qty)	50.000			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.09 (3rd R.A Bill Qty)	15.000			
	Total	**65.000**	**Nos**	**Rs. 33,500.00**	**Rs. 2,177,500.00**
2.04	Providing of XLPE (IS:7098) (I)-88 ISI armoured cable multistrand Aluminium conductor for 1.1 KV. to be laid on wall with necessary clamps or in existing trench/ pipe of 4 core 16 Sq mm cable.				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.04 (2nd R.A Bill Qty)	1500.000		1950 x 275 = 536250/-	
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.09 (3rd R.A Bill Qty)	1500.000		1050 x 206/25 = 216562.50	752812.50
	Total	**3000.000**	**Mtr**	**Rs. 275.00**	**Rs. 825,000.00**

2.05	Supply of 50mm DWC pipes of approved make for covering of cable.				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.04 (2nd R.A Bill Qty)	1200.000		1560 x 230 840 x 122.50	503700/-
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.10 (3rd R.A Bill Qty)	1200.000			
	Total	**2400.000**	**Mtr**	**Rs. 230.00**	**Rs. 552,000.00**
2.06	Supply of Flexible PVC insulated multistrand multicore 1.1 kv grade ISI marked copper wires of following size to be erected as directed 1.50 Sq.mm 3 core round PVC sheathed.				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.04 (2nd R.A Bill Qty)	700.000		910 x 255 490 x 191.25	325762/-
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.10 (3rd R.A Bill Qty)	700.000			
	Total	**1400.000**	**Mtr**	**Rs. 255.00**	**Rs. 357,000.00**
3	**SUB HEAD : Installation, Testing and Commissioning of Streetlight System**				
3.01	Installation of 8 mtr Decorative Pole including excavation and constructing M-20/1:2:4 cement concrete foundation of size 45 x 45 x 120 cms. Deep as directed by Engineer-in-charge.				
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.17 (9th R.A Bill Qty)	15.000			
	Qty b/f CMB No.285/EE-III/SWM/MC/2020-21 vide page no.10 (10th R.A Bill Qty)	1.000			
	Total	**16.000**	**Nos**	**Rs. 5,550.00**	**Rs. 88,800.00**
3.02	Installation, Testing and Commissioning of 75/40 watt Decorative LED Luminaries.				
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.17 (9th R.A Bill Qty)	30.000			
	Total	**30.000**	**Nos**	**Rs. 700.00**	**Rs. 21,000.00**
3.03	Excavation and laying of DWC pipe at a 90 mm below the ground level/level below PCC in Jogging trek. Item includes refilling of the same trench.				
	Qty b/f CMB No.285/EE-III/SWM/MC/2020-21 vide page no.10 (10th R.A Bill Qty)	540.500			
	Total	**540.500**	**Mtr**	**Rs. 325.00**	**Rs. 175,662.50**
3.04	Laying of 4x16 Sqmm Aluminium armoured cable in existing laid DWC pipe/on wall.				
	Qty b/f CMB No.285/EE-III/SWM/MC/2020-21 vide page no.10 (10th R.A Bill Qty)	500.460			
	Total	**500.460**	**Mtr**	**Rs. 60.00**	**Rs. 30,027.60**
3.05	Erecting of 3 core 1.5 sqmm copper flexible cable in pole from junction box to Luminaries				
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.17 (9th R.A Bill Qty)	300.000			
	Total	**300.000**	**Nos**	**Rs. 42.00**	**Rs. 12,600.00**

	EXTRA ITEM				
1.00	To provide structural design analysis with strucutal reinforcement details for construction of siutable wall section for the proposed construction of sea wall in front of Girls School along with the sea coast to a height of 3.00 mtrs suggesting appropriate section, designing of section and supply of detailed working drawings in CAD format 04 sets of CD and also vetted by any recongimised engineering college by Govt of India complete.				
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.17 (9th R.A Bill Qty)	1.000			
	Total	**1.000**	**Nos**	**Rs. 69,620.00**	**Rs. 69,620.00**
2.00	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including getting out and disposal of excavated earth lead upto 50 m and lift upto 1.5 m, as directed by Engineer-in-charge. All kinds of soil.				
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.17 (9th R.A Bill Qty)	4739.630			
	Total	**4739.630**	**Cum**	**Rs. 242.00**	**Rs. 1,146,990.46**
3.00	Carriage of Materials by mechanical transport including loading, unloading and stacking of earth for a lead of 05 kms.				
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.17 (9th R.A Bill Qty)	4739.630			
	Total	**4739.630**	**Cum**	**Rs. 228.23**	**Rs. 1,081,725.75**
4.00	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m.				
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.17 (9th R.A Bill Qty)	4667.865			
	Total	**4667.865**	**Cum**	**Rs. 197.00**	**Rs. 919,569.41**
				Total Workdone Amount	**Rs. 65,169,860.08**
	Secured Advance against the materials brought at site				6486260.28
1.09	**Material Laying at site - Steel** TMT bars of size 8mm, 10mm, 12mm, 16mm and 20mm restricted to 90% of element cost	**216020.00**	**Kg**	**Rs. 49.50**	**Rs. 10,692,990.00**
	75555631			**Total Gross Value**	**Rs. 75,862,850.08**
				Paid in 2nd RA Bill	**Rs. 19,024,930.00**
				Paid in 3rd RA Bill	**Rs. 14,369,518.00**
				Paid in 4th RA Bill	**Rs. 2,420,254.00**
				Paid in 5th RA Bill	**Rs. 2,426,735.00**
				Paid in 6th RA Bill	**Rs. 2,379,508.00**
				Paid in 7th RA Bill	**Rs. 2,434,809.00**
				Paid in 8th RA Bill	**Rs. 2,481,635.00**
	25054173			**Paid in 9th RA Bill**	**Rs. 25,068,308.00**
	2485858			**Paid in 10th RA Bill**	**Rs. 2,778,941.00**
	2478213			**Gross Value of 11th RA Bill**	**Rs. 2,478,212.08**
				SAY	**Rs. 2,478,213.00**

RECOVERY DETAILS

(i)	Schedule B Aggregates (-)		Gross Value (A)	Rs. 2,478,212.00
	a) Already recovered in 3rd RA Bill	2777387.00		
	b) Already recovered in 4th RA Bill	1225808.00		
	c) Already recovered in 5th RA Bill	224120.00		
	d) Already recovered in 6th RA Bill	216190.00		
	e) Already recovered in 7th RA Bill	201532.00		
	f) Already recovered in 8th RA Bill	239032.00		
	g) Already recovered in 9th RA Bill	241859.00		
	h) Already recovered in 10th RA Bill	428846.00		
	i) To be recovered in this bill	0.00		
		Rs. 0.00		Rs. 0.00
(ii)	Material Laying at site - Steel			
	a) Already recovered in 3rd RA Bill	6222852.00		
	b) Already recovered in 4th RA Bill	1601924.00		
	c) Already recovered in 5th RA Bill	324012.00		
	d) Already recovered in 6th RA Bill	424990.00		
	e) Already recovered in 7th RA Bill	399197.00		
	f) Already recovered in 8th RA Bill	364686.00		
	g) Already recovered in 9th RA Bill	217034.00		
	h) Already recovered in 10th RA Bill	2160074.00		
	i) To be recovered in this bill	330719.00		
		Rs. 400,216.00		Rs. 400,216.00
(iii)	Security deposit @ 2.5% on Total Gross Value	1896571.25	188889/	
	a) Already recovered in 2nd RA Bill	475623.00		
	b) Already recovered in 3rd RA Bill	359238.00		
	c) Already recovered in 4th RA Bill	60506.55		
	d) Already recovered in 5th RA Bill	60668.39		
	e) Already recovered in 6th RA Bill	59487.70		
	f) Already recovered in 7th RA Bill	60870.19		
	g) Already recovered in 8th RA Bill	62041.00		
	h) Already recovered in 9th RA Bill	626707.61	626354	
	i) Already recovered in 10th RA Bill	69473.50	62146	
	j) To be recovered in this bill	Rs. 61,955.31		Rs. 61,956/-
(iv)	IT @ 2% on Total Gross Value	1517257.00	15,11,113/-	
	a) Already recovered in 1st RA Bill	99751.00		
	b) Already recovered in 2nd RA Bill	380499.00		
	c) Already recovered in 3rd RA Bill	287390.00		
	d) Already recovered in 4th RA Bill	48405.08		
	e) Already recovered in 5th RA Bill	-51216.33		
	f) Already recovered in 6th RA Bill	47590.16		
	g) Already recovered in 7th RA Bill	48696.15		
	h) Already recovered in 8th RA Bill	49633.00		
	i) Already recovered in 9th RA Bill	501365.89	501083/-	
	j) Already recovered in 10th RA Bill	55578.80	49712	
	k) To be recovered in this bill	Rs. 49,564.25		Rs. 49,565/-

(v)	Labour Welfare Cess @ 1% on Total Gross Value	758628.50	
	a) Already recovered in 2nd RA Bill	190249.00	
	b) Already recovered in 3rd RA Bill	143695.00	
	c) Already recovered in 4th RA Bill	24203.02	
	d) Already recovered in 5th RA Bill	24267.35	
	e) Already recovered in 6th RA Bill	23795.09	
	f) Already recovered in 7th RA Bill	24348.07	
	g) Already recovered in 8th RA Bill	24816.00	
	h) Already recovered in 9th RA Bill	250683.44	
	i) Already recovered in 10th RA Bill	27789.41	
	j) To be recovered in this bill	Rs. 24,782.12	Rs. 24,782.12
(vi)	UGST @ 1% on Total Gross Value	758628.50	
	a) Already recovered in 1st RA Bill	49875.50	
	b) Already recovered in 2nd RA Bill	190249.50	
	c) Already recovered in 3rd RA Bill	143695.00	
	d) Already recovered in 4th RA Bill	24202.52	
	e) Already recovered in 5th RA Bill	-25608.15	
	f) Already recovered in 6th RA Bill	23795.09	
	g) Already recovered in 7th RA Bill	24348.07	
	h) Already recovered in 8th RA Bill	24816.00	
	i) Already recovered in 9th RA Bill	250683.44	
	j) Already recovered in 10th RA Bill	27789.41	
	k) To be recovered in this bill	Rs. 24,782.12	Rs. 24,782.12
(vii)	CGST @ 1% on Total Gross Value	758628.50	
	a) Already recovered in 1st RA Bill	49875.50	
	b) Already recovered in 2nd RA Bill	190249.50	
	c) Already recovered in 3rd RA Bill	143695.00	
	d) Already recovered in 4th RA Bill	24202.52	
	e) Already recovered in 5th RA Bill	-25608.15	
	f) Already recovered in 6th RA Bill	23795.09	
	g) Already recovered in 7th RA Bill	24348.07	
	h) Already recovered in 8th RA Bill	24816.00	
	i) Already recovered in 9th RA Bill	250683.44	
	j) Already recovered in 10th RA Bill	27789.41	
	k) To be recovered in this bill	Rs. 24,782.12	Rs. 24,782.12
		Total Recovery (B)	**Rs. 586,081.93**
		Net Amount Payable in this Bill (A-B)	**Rs. 1,892,130.07**
		Says	**Rs. 1,892,130.00**

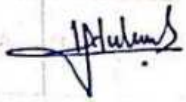
Net Amount in words:- (Rupees Eighteen Lakhs Ninety Two Thousand One Hundred ~~Thirty~~ Only)

Certified that:-

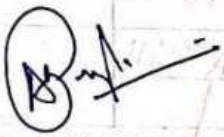
1. The work has been executed as per terms and conditions of the agreement.
2. No material and T & P has been issued from the Department.
3. Own arrangements for water has been made.
4. No Labour Complaints has been received.
5. Requisite technical staff has been employed as per agreement.
6. Up to date recoveries have been effected in this bill.
7. All Mandatory Test have been conducted.



Signature of the Contractor



Signature of the AE



Signature of the EE (Works)

Ref. page no. 01 to 14 of this.

Authority :- 01 (PBSPL) of 2020-2021

N.O.W :- Marine esplanade : marina road restructuring with uniform carriage way, walking track, Street lighting, Street furniture service core trenching & land scaping.

Agency :- M/S Surendra Infrastructure (P) Ltd.

Total Gross value of work done	→	7,5555631/-
Already paid upto 10th RA Bill	→	7,3077,418/-
Gross value of 11th RA Bill	→	2478,213/-

Ded

(i) SD deposit @ 2.5% on GIV	→	1888891/-
Already deducted upto 10th RA Bill	→	1826935/-
now to be deducted.	→	61956/-
(ii) I/Tax @ 2% on GIV	→	1511113/-
Already deducted upto 10th RA Bill	→	1461548/-
now to be deducted.	→	49565/-
(iii) Labour cess @ 1% on GIV	→	755557/-
Already deducted upto 10th RA Bill	→	730775/-
now to be deducted.	→	24782/-
(iv) TDS on GST @ 2% on GIV	→	1511113/-
Already deducted upto 10th RA Bill	→	1461548/-
now to be deducted.	→	49565/-
(v) Material laying at site - Steel	→	6222852/-
Already deducted upto 10th RA Bill	→	5822636/-
now to be deducted.	→	400216/-
Total Deduction	→	586084/-
Net payable Amount	→	18,92,129/-

Secured Advance against the materials brought at site

Name of Work:- Marine esplanade: Marina road restructuring with uniform carriage way, walking track, street lighting, street furniture, service core trenching and land scaping.

Agreement No :- 01 (PBSPL) of 2020-21

Agency :- M/s. Surendra Infrastructure (P) Ltd.

Serial no of this bill :- 11th RA Bill

S.No	Sch Item No.	Description of Items	Quantity	Unit	Rate Allowed	Amount
1	1.09	Steel TMT Bars	125714.180	Kgs	49.50	6222851.910
					Total Amount	**6222851.91**
					Says	**6222852.00**

Junior Engineer-III (Works)
PBMC

11th RA Bill in respect of M/s Surendra Infrastructure (P) Ltd against Agt. No. 01(PBSPL) of 2020-2021 is passed for ₹ = 24,78,213/- (Rupees Twenty four lakhs seventy eight thousand two hundred thirteen only).

Executive Engineer-III (PWD)
Municipal Council
Port Blair

Payment released for ₹ = 18,92,129/-

ACCOUNTS OFFICER-III
Municipal Council
Port Blair

THEORETICAL STATEMENT

Name of Work:- Marine esplanade: Marina road restructuring with uniform carriage way, walking track, street lighting, street furniture, service core trenching and land scaping.

Agreement No :- 01 (PBSPL) of 2020-21

Agency :- M/s. Surendra Infrastructure (P) Ltd.

Serial no of this bill :- 11th RA Bill

S.No	Sch Item No.	Description of Items	Quantity	Unit	Coefficient	Quantity
1	1.04	**PCC 1:4:8**	15.969	Cum		
		Cement		Bags	3.410	54.454
		Pulverised Sand		Cum	0.470	7.505
		Stone aggregates 40mm		Cum	0.950	15.171
2	1.07	**M-25 (above Plinth)**	131.561	Cum		
		Cement		Bags	6.860	902.508
		Pulverised Sand		Cum	0.486	63.938
		Stone aggregates 20mm		Cum	0.285	37.495
		Stone aggregates 12.5mm		Cum	0.426	56.045

Assistant Engineer-III (R/Works)
PBMC

Division:- Executive Engineer-III (SWM/MC), Port Blair Municipal Council, Port Blair

(12th R.A BILL)

COMPUTERIZED MEASUREMENT BOOK

(DETAILS OF ABSTRACT)

CMB No:- 302/EE-III/SWM/MC/2021-22

Name of Work: - Marine esplanade: Marina road restructuring with uniform carriage way, walking track, street lighting, street furniture, service core trenching and land scaping.

Name of Contractor: - M/s. Surendra Infrastructure (P) Ltd.

Agreement No.: - 01 (PBSPL) of 2020-2021

Certified that this Computerized measurement book bearing no.302/EE-III/SWM/MC/2021-22 contains **16** leaves serially numbered from pages 01 to 16 and two blank pages without any damage.

Signature of
Contractor

Signature of
Assistant Engineer

Signature of
Executive Engineer

ABSTRACT OF COST

(12th R.A Bill)

Name of Work:- Marine esplanade: Marina road restructuring with uniform carriage way, walking track, street lighting, street furniture, service core trenching and land scaping.

Agreement No. :- 01 (PBSPL) of 2020-2021

Name of Agency :- M/s. Surendra Infrastructure (P) Ltd.

Date of Commencement:- 07.12.2020

Date of Completion:- In Progress

Reference to previous measurement, if any :- NIL

Serial no. of this bill :- 12th RA Bill

CMB no. of this bill :- 302/EE-III/SWM/MC/2021-22

Date of Abstract:-

Item No.	Particulars	Quantity	Unit	Rate	Amount
1	**CIVIL WORKS**				
1.01	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m. a) All kinds of soil.				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.01 (2nd R.A Bill Qty)	17.617			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.01 (3rd R.A Bill Qty)	139.362			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.01 (4th R.A Bill Qty)	54.283			
	Qty b/f CMB No.267/EE-III/SWM/MC/2020-21 vide page no.01 (8th R.A Bill Qty)	69.113			
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.01 (9th R.A Bill Qty)	2902.781			
	Total	**3183.156**	**Cum**	**Rs. 225.00**	**Rs. 716,210.10**
1.02	Excavation work by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m. Hard rock (blasting prohibited)				
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.01 (9th R.A Bill Qty)	242.226			
	Total	**242.226**	**Cum**	**Rs. 500.00**	**Rs. 121,113.00**
1.03	Filling with available pulverised sand				
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.01 (9th R.A Bill Qty)	144.052			
	Qty b/f CMB No.287/EE-III/SWM/MC/2020-21 vide page no.01 (11th R.A Bill Qty)	15.969			
	Total	**160.021**	**Cum**	**Rs. 3,400.00**	**Rs. 544,071.40**

1.04	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:4:8 (1 Cement : 4 coarse sand (Zone III) : 8 graded stone aggregate 40 mm nominal size)				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.01 (2nd R.A Bill Qty)	11.242			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.02 (3rd R.A Bill Qty)	85.005			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.01 (4th R.A Bill Qty)	11.369			
	Qty b/f CMB No.235/EE-III/SWM/MC/2020-21 vide page no.01 (5th R.A Bill Qty)	8.928			
	Qty b/f CMB No.241/EE-III/SWM/MC/2020-21 vide page no.01 (6th R.A Bill Qty)	2.864			
	Qty b/f CMB No.243/EE-III/SWM/MC/2020-21 vide page no.01 (7th R.A Bill Qty)	13.392			
	Qty b/f CMB No.267/EE-III/SWM/MC/2020-21 vide page no.02 (8th R.A Bill Qty)	15.993			
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.02 (9th R.A Bill Qty)	194.516			
	Qty b/f CMB No.287/EE-III/SWM/MC/2020-21 vide page no.02 (11th R.A Bill Qty)	15.969			
	Total	**359.278**	**Cum**	**Rs. 9,250.00**	**Rs. 3,323,321.50**
1.05	Providing and laying in position machine batched and machine mixed design mix M-25 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying but excluding the cost of centering, shuttering, finishing and reinforcement, including admixtures in recommended proportions as per IS: 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer-in-charge."(Note :- Cement content considered in this item is @ 330 kg/cum."Excess/ less cement used as per design mix is payable/recoverable separately). All works upto plinth level				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.01 (2nd R.A Bill Qty)	10.528			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.03 (3rd R.A Bill Qty)	320.952			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.02 (4th R.A Bill Qty)	59.176			
	Qty b/f CMB No.235/EE-III/SWM/MC/2020-21 vide page no.02 (5th R.A Bill Qty)	58.454			
	Qty b/f CMB No.241/EE-III/SWM/MC/2020-21 vide page no.02 (6th R.A Bill Qty)	16.382			
	Qty b/f CMB No.243/EE-III/SWM/MC/2020-21 vide page no.02 (7th R.A Bill Qty)	74.954			
	Qty b/f CMB No.267/EE-III/SWM/MC/2020-21 videpage no.02 (8th R.A Bill Qty)	81.964			
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.04 (9th R.A Bill Qty)	310.818			
	Qty b/f CMB No.301/EE-III/SWM/MC/2021-22 vide page no.08 (12th R.A Bill Qty)	11.773			
	Total	**945.001**	**Cum**	**Rs. 11,000.00**	**Rs. 10,395,011.00**

1.06	Extra for laying RCC in or under water and/or liquid mud, including cost of pumping or bailing out water and removing slush etc., complete.				
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.03 (3rd R.A Bill Qty)	320.702			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.02 (4th R.A Bill Qty)	80.263			
	Qty b/f CMB No.235/EE-III/SWM/MC/2020-21 vide page no.2 (5th R.A Bill Qty)	89.103			
	Qty b/f CMB No.241/EE-III/SWM/MC/2020-21 vide page no.02 (6th R.A Bill Qty)	24.914			
	Qty b/f CMB No.243/EE-III/SWM/MC/2020-21 vide page no.02 (7th R.A Bill Qty)	110.070			
	Qty b/f CMB No.267/EE-III/SWM/MC/2020-21 vide page no.03 (8th R.A Bill Qty)	68.142			
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.04 (9th R.A Bill Qty)	466.494		202.8 × 650 = 131820/- 974.153 × 487/50 474879/59 606719.59	
	Qty b/f CMB No.301/EE-III/SWM/MC/2021-22 vide page no.09 (12th R.A Bill Qty)	17.265			
	Total	**1176.953**	**Cum**	**Rs. 650.00**	**Rs. 765,019.31**
1.07	Providing and laying in position machine batched and machine mixed design mix M-25 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying but excluding the cost of centering, shuttering, finishing and reinforcement, including admixtures in recommended proportions as per IS: 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer-in-charge."(Note :- Cement contentconsidered in this item is @ 330 kg/cum."Excess/ less cement used as per design mix is payable/recoverable separately). All works above plinth level upto floor V level				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.02 (2nd R.A Bill Qty)	14.812			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.04 (3rd R.A Bill Qty)	222.185			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.03 (4th R.A Bill Qty)	52.226			
	Qty b/f CMB No.235/EE-III/SWM/MC/2020-21 vide page no.03 (5th R.A Bill Qty)	52.747			
	Qty b/f CMB No.241/EE-III/SWM/MC/2020-21 vide page no.03 (6th R.A Bill Qty)	93.837			
	Qty b/f CMB No.243/EE-III/SWM/MC/2020-21 vide page no.03 (7th R.A Bill Qty)	43.768			
	Qty b/f CMB No.267/EE-III/SWM/MC/2020-21 vide page no.03 (8th R.A Bill Qty)	45.130			
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.06 (9th R.A Bill Qty)	363.021			
	Qty b/f CMB No.285/EE-III/SWM/MC/2020-21 vide page no.04 (10th R.A Bill Qty)	45.949			
	Qty b/f CMB No.287/EE-III/SWM/MC/2020-21 vide page no.03 (11th R.A Bill Qty)	131.561			
	Qty b/f CMB No.301/EE-III/SWM/MC/2021-22 vide page no.01 (12th R.A Bill Qty)	10.440			
	Qty b/f CMB No.301/EE-III/SWM/MC/2021-22 vide page no.02 (12th R.A Bill Qty)	13.838			
	Qty b/f CMB No.301/EE-III/SWM/MC/2021-22 vide page no.04 (12th R.A Bill Qty)	8.514			

	Qty b/f CMB No.301/EE-III/SWM/MC/2021-22 vide page no.05 (12th R.A Bill Qty)	11.868			
	Qty b/f CMB No.301/EE-III/SWM/MC/2021-22 vide page no.09 (12th R.A Bill Qty)	5.492			
	Qty b/f CMB No.301/EE-III/SWM/MC/2021-22 vide page no.10 (12th R.A Bill Qty)	5.878			
	Qty b/f CMB No.301/EE-III/SWM/MC/2021-22 vide page no.12 (12th R.A Bill Qty)	6.961			
	Qty b/f CMB No.301/EE-III/SWM/MC/2021-22 vide page no.16 (12th R.A Bill Qty)	27.414			
	Qty b/f CMB No.301/EE-III/SWM/MC/2021-22 vide page no.19 (12th R.A Bill Qty)	21.076			
	Total	**1176.717**	**Cum**	**Rs. 11,400.00**	**Rs. 13,414,573.80**
	Providing M-25 grade concrete. (Note : Cement content considered as per Design Mix M25 - 343 kg/cbm approved.				
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.05 (3rd R.A Bill Qty)	2003.625			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.03 (4th R.A Bill Qty)	389.337			
	Qty b/f CMB No.267/EE-III/SWM/MC/2020-21 vide page no.04 (8th R.A Bill Qty)	520.130			
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.06 (9th R.A Bill Qty)	334.867			
	Qty b/f CMB No.285/EE-III/SWM/MC/2020-21 vide page no.04 (10th R.A Bill Qty)	194.038			
	Qty b/f CMB No.287/EE-III/SWM/MC/2020-21 vide page no.04 (11th R.A Bill Qty)	1710.293			
	Extra for providing M-25 grade concrete. (Note : Cement content considered as per Design Mix M25 - 343 kg/cbm approved. (Qty - 93.150 Cum) Cement Qty = 93.150 x 343 = 31950.450 Kg = 93.150 x 330 = 30739.50 Kg Difference Qty = 1210.950 Kg	1210.950			
	Total	**6363.240**	**Kg**	**Rs. 10.00**	**Rs. 63,632.40**
1.08	Extra for providing richer mixes at all floor levels. Note: Excess/less cement over the specified cement content used is payable / recoverable separately. Providing M-40 grade concrete instead of M-25 grade BMC/RMC. (Note : Cement content considered in M-40 is @ 360 kg/cum)				
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.05 (3rd R.A Bill Qty)	414.336			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.03 (4th R.A Bill Qty)	81.453			
	Qty b/f CMB No.235/EE-III/SWM/MC/2020-21 vide page no.03 (5th R.A Bill Qty)	111.201			
	Qty b/f CMB No.241/EE-III/SWM/MC/2020-21 vide page no.04 (6th R.A Bill Qty)	110.218			
	Qty b/f CMB No.243/EE-III/SWM/MC/2020-21 vide page no.04 (7th R.A Bill Qty)	118.722			
	Qty b/f CMB No.267/EE-III/SWM/MC/2020-21 vide page no.04 (8th R.A Bill Qty)	75.381			
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.07 (9th R.A Bill Qty)	659.783			
	Qty b/f CMB No.285/EE-III/SWM/MC/2020-21 vide page no.04 (10th R.A Bill Qty)	31.023			
	Qty b/f CMB No.301/EE-III/SWM/MC/2021-22 vide page no.13 (12th R.A Bill Qty)	30.102			
	Total	**1632.219**	**Cum**	**Rs. 320.00**	**Rs. 522,310.08**

	Extra for providing richer mixes M-40 grade concrete. (Note : Cement content considered as per Design Mix M40 - 442 kg/cbm approved.				
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.05 (3rd R.A Bill Qty)	33975.552			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.03 (4th R.A Bill Qty)	6679.146			
	Qty b/f CMB No.235/EE-III/SWM/MC/2020-21 vide page no.03 (5th R.A Bill Qty)	9118.482			
	Qty b/f CMB No.241/EE-III/SWM/MC/2020-21 vide page no.05 (6th R.A Bill Qty)	9037.958			
	Qty b/f CMB No.243/EE-III/SWM/MC/2020-21 vide page no.04 (7th R.A Bill Qty)	9735.204			
	Qty b/f CMB No.267/EE-III/SWM/MC/2020-21 vide page no.04 (8th R.A Bill Qty)	6181.242			
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.08 (9th R.A Bill Qty)	54102.206			
	Qty b/f CMB No.285/EE-III/SWM/MC/2020-21 vide page no.05 (10th R.A Bill Qty)	2543.886			
	Extra for providing richer mixes M-40 grade concrete. (Note : Cement content considered as per Design Mix M40 - 442 kg/cbm approved. (Qty - 30.102 Cum) Cement Qty = 30.102 x 442 = 13305.084 Kg = 30.102 x 360 = 10836.720 Kg Difference Qty = 2468.364 Kg	2468.364			
	Total	**133842.040**	**Kg**	**Rs. 10.00**	**Rs. 1,338,420.40**
1.09	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level. A) Thermo-Mechanically Treated bars of grade Fe-500D or more.				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.02 (2nd R.A Bill Qty)	1051.813			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.05 (3rd R.A Bill Qty)	31310.281			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.04 (4th R.A Bill Qty)	6545.698			
	Qty b/f CMB No.235/EE-III/SWM/MC/2020-21 vide page no.04 (5th R.A Bill Qty)	8585.653			
	Qty b/f CMB No.241/EE-III/SWM/MC/2020-21 vide page no.06 (6th R.A Bill Qty)	8064.591			
	Qty b/f CMB No.243/EE-III/SWM/MC/2020-21 vide page no.04 (7th R.A Bill Qty)	7367.385			
	Qty b/f CMB No.267/EE-III/SWM/MC/2020-21 vide page no.05 (8th R.A Bill Qty)	4384.528			
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.10 (9th R.A Bill Qty)	43637.869			
	Qty b/f CMB No.285/EE-III/SWM/MC/2020-21 vide page no.05 (10th R.A Bill Qty)	6681.193			
	Qty b/f CMB No.287/EE-III/SWM/MC/2020-21 vide page no.05 (11th R.A Bill Qty)	8085.169			
	Qty b/f CMB No.301/EE-III/SWM/MC/2021-22 vide page no.03 (12th R.A Bill Qty)	1534.520			
	Qty b/f CMB No.301/EE-III/SWM/MC/2021-22 vide page no.06 (12th R.A Bill Qty)	988.389			
	Qty b/f CMB No.301/EE-III/SWM/MC/2021-22 vide page no.07 (12th R.A Bill Qty)	205.061			
	Qty b/f CMB No.301/EE-III/SWM/MC/2021-22 vide page no.11 (12th R.A Bill Qty)	245.119			
	Qty b/f CMB No.301/EE-III/SWM/MC/2021-22 vide page no.11 (12th R.A Bill Qty)	185.748			

	Qty b/f CMB No.301/EE-III/SWM/MC/2021-22 vide page no.14 (12th R.A Bill Qty)	775.628			
	Qty b/f CMB No.301/EE-III/SWM/MC/2021-22 vide page no.14 (12th R.A Bill Qty)	775.628			
	Qty b/f CMB No.301/EE-III/SWM/MC/2021-22 vide page no.15 (12th R.A Bill Qty)	782.625			
	Qty b/f CMB No.301/EE-III/SWM/MC/2021-22 vide page no.15 (12th R.A Bill Qty)	795.073			
	Qty b/f CMB No.301/EE-III/SWM/MC/2021-22 vide page no.17 (12th R.A Bill Qty)	795.073			
	Qty b/f CMB No.301/EE-III/SWM/MC/2021-22 vide page no.17 (12th R.A Bill Qty)	797.072			
	Qty b/f CMB No.301/EE-III/SWM/MC/2021-22 vide page no.18 (12th R.A Bill Qty)	819.514			
	Qty b/f CMB No.301/EE-III/SWM/MC/2021-22 vide page no.18 (12th R.A Bill Qty)	824.512			
		135238.142	**Kg**	**Rs. 91.00**	**Rs. 12,306,670.92**
1.1	12 mm plaster 1:4				
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.10 (9th R.A Bill Qty)	1672.905			
		1672.905	**Sqm**	**Rs. 370.00**	**Rs. 618,974.85**
1.11	Centering and shuttering including strutting, propping etc. and removal of form work for : Foundations, footings, bases for columns				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.02 (2nd R.A Bill Qty)	50.400			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.07 (3rd R.A Bill Qty)	267.000			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.04 (4th R.A Bill Qty)	23.630			
	Qty b/f CMB No.235/EE-III/SWM/MC/2020-21 vide page no.04 (5th R.A Bill Qty)	26.800			
	Qty b/f CMB No.241/EE-III/SWM/MC/2020-21 vide page no.06 (6th R.A Bill Qty)	11.320			
	Qty b/f CMB No.243/EE-III/SWM/MC/2020-21 vide page no.05 (7th R.A Bill Qty)	40.200			
	Qty b/f CMB No.267/EE-III/SWM/MC/2020-21 vide page no.05 (8th R.A Bill Qty)	30.480			
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.11 (9th R.A Bill Qty)	149.200			
	Total	**599.030**	**Sqm**	**Rs. 340.00**	**Rs. 203,670.20**
1.12	Centering and shuttering including strutting, propping etc. and removal of form work for : Retaining walls, return walls, walls (any thickness) including attached pilasters, butteresses, plinth and string courses fillets, kerbs and steps etc.				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.02 (2nd R.A Bill Qty)	142.478			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.08 (3rd R.A Bill Qty)	1784.236			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.04 (4th R.A Bill Qty)	542.815			
	Qty b/f CMB No.235/EE-III/SWM/MC/2020-21 vide page no.05 (5th R.A Bill Qty)	234.276			
	Qty b/f CMB No.241/EE-III/SWM/MC/2020-21 vide page no.07 (6th R.A Bill Qty)	383.468			

	Qty b/f CMB No.243/EE-III/SWM/MC/2020-21 vide page no.05 (7th R.A Bill Qty)	197.338			
	Qty b/f CMB No.267/EE-III/SWM/MC/2020-21 vide page no.06 (8th R.A Bill Qty)	604.812			
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.13 (9th R.A Bill Qty)	1768.461			
	Qty b/f CMB No.285/EE-III/SWM/MC/2020-21 vide page no.07 (10th R.A Bill Qty)	200.384			
	Qty b/f CMB No.287/EE-III/SWM/MC/2020-21 vide page no.06 (11th R.A Bill Qty)	41.326			
	Qty b/f CMB No.301/EE-III/SWM/MC/2021-22 vide page no.01 (12th R.A Bill Qty)	4.500			
	Qty b/f CMB No.301/EE-III/SWM/MC/2021-22 vide page no.02 (12th R.A Bill Qty)	6.000			
	Qty b/f CMB No.301/EE-III/SWM/MC/2021-22 vide page no.04 (12th R.A Bill Qty)	31.650			
	Qty b/f CMB No.301/EE-III/SWM/MC/2021-22 vide page no.05 (12th R.A Bill Qty)	79.516			
	Qty b/f CMB No.301/EE-III/SWM/MC/2021-22 vide page no.08 (12th R.A Bill Qty)	33.007			
	Qty b/f CMB No.301/EE-III/SWM/MC/2021-22 vide page no.10 (12th R.A Bill Qty)	25.319			
	Qty b/f CMB No.301/EE-III/SWM/MC/2021-22 vide page no.12 (12th R.A Bill Qty)	23.478			
	Qty b/f CMB No.301/EE-III/SWM/MC/2021-22 vide page no.16 (12th R.A Bill Qty)	12.000			
	Qty b/f CMB No.301/EE-III/SWM/MC/2021-22 vide page no.19 (12th R.A Bill Qty)	9.000			
	Total	**6124.064**	**Sqm**	**Rs. 570.00**	**Rs. 3,490,716.48**
1.13	Centering and shuttering including strutting, propping etc. and removal of form for all heights : Extra for shuttering in circular work (20% of respective centering and shutttering items)				
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.05 (4th R.A Bill Qty)	50.597			
	Qty b/f CMB No.235/EE-III/SWM/MC/2020-21 vide page no.05 (5th R.A Bill Qty)	37.948			
	Qty b/f CMB No.241/EE-III/SWM/MC/2020-21 vide page no.07 (6th R.A Bill Qty)	59.749			
	Qty b/f CMB No.243/EE-III/SWM/MC/2020-21 vide page no.05 (7th R.A Bill Qty)	12.649			
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.13 (9th R.A Bill Qty)	138.574			
	Qty b/f CMB No.285/EE-III/SWM/MC/2020-21 vide page no.07 (10th R.A Bill Qty)	37.948			
	Qty b/f CMB No.301/EE-III/SWM/MC/2021-22 vide page no.13 (12th R.A Bill Qty)	8.786			
	Total	**346.251**	**Sqm**	**Rs. 150.00**	**Rs. 51,937.65**

1.17	Providing and laying factory made chamfered edge Cement Concrete paver blocks in foot path, park & lawns driveway or light & traffic parking etc. of required strength, thickness & size/shape, made by table vibratory method using PU mould, laid in required colour & pattern over 50 mm thick compacted bed of course sand, compacting and proper embedding/laying of inter locking paver blocks unto the sand bedding layer through vibratory compaction by using plate vibrator, filling the joints with sand and cutting of paver blocks as per required size and pattern, finishing and sweeping extra sand, all complete as per manufacturer's specifications & direction of Engineer-in-Charge. 80mm thick Cement concrete paver block of M-35 grade with approved colour, design & pattern.				
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.14 (9th R.A Bill Qty)	1898.814			
	Qty b/f CMB No.285/EE-III/SWM/MC/2020-21 vide page no.07 (10th R.A Bill Qty)	428.519			
	Total	**2327.333**	**Sqm**	**Rs. 2,300.00**	**Rs. 5,352,865.90**
1.19	Demolishing R.C.C. work manually/ by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge.				
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.14 (9th R.A Bill Qty)	28.211			
	Total	**28.211**	**Cum**	**Rs. 1,100.00**	**Rs. 31,032.10**
1.2	Demolishing cement concrete manually/ by mechanical means and disposal of material within 50 metres lead as per direction of Engineerin-charge. cum Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix)				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.03 (2nd R.A Bill Qty)	2.963			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.08 (3rd R.A Bill Qty)	65.457			
	Qty b/f CMB No.267/EE-III/SWM/MC/2020-21 vide page no.07 (8th R.A Bill Qty)	21.475			
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.14 (9th R.A Bill Qty)	43.554			
	Total	**133.449**	**Cum**	**Rs. 1,100.00**	**Rs. 146,793.90**
2	**ELECTRICAL WORKS**				
2.01	Supply of 8 Mtr. height decorative Chatsworth pole having cast iron decorative base and pipe dia of 165mm dia & 1 mtr long with cast iron reducer joining with 101mm OD straight pipe. Pole shall be mounted on square base plate. Decorative Cascade bracket with 940mm height mounted on pole. Pole and two brackets at differential height shall be galvanized and painted with PU paint in closed paint chamber with heating treatment in chamber. Make: Surya				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.03 (2nd R.A Bill Qty)	50.000			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.08 (3rd R.A Bill Qty)	15.000			
	Total	**65.000**	**Nos**	**Rs. 64,000.00**	**Rs. 4,160,000.00**

2.02	Supply of Decorative Luminaires for Urban lighting, body made of painted spun aluminum, The protector is made of polycarbonate grade UVresistant (IK 08), Permanently sealed optical compartment with IP66 protection. Luminaire offers tool free access to gear compartment with IP44 protection. Luminaire can be installed as a suspended luminaire. The luminaire is equipped with the LensoFlex2® technology photometric system. PMMA lenses with wide photometry for increased pole spacing. Fixture is having a surge protection of 10KA. Electronic driver is having power factor>0.90*, THD<20*% and input voltage range from 120-227V AC at 50Hz. Luminaire efficacy is 100 im/ watt system lumen greater than 7500 lumens in CCT range of 4000 as per ANSI. System life of 50000 burning hours with 70% of initial lumens maintained. Luminaire is suitable for operating temperature (Ta) from -20 to 50c. Driver can withstand 320V AC for 48 hours and 360V AC for 2 hours. Make: Surya SLE PT 75W VEGA				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.03 (2nd R.A Bill Qty)	50.000			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.09 (3rd R.A Bill Qty)	15.000			
	Total	**65.000**	**Nos**	**Rs. 40,000.00**	**Rs. 2,600,000.00**
2.03	Supply of Decorative Luminaires for Urban lighting, body made of painted spun aluminum, The protector is made of polycarbonate grade UVresistant (IK 08), Permanently sealed optical compartment with IP66 protection. Luminaire offers tool free access to gear compartment with IP44 protection. Luminaire can be installed as a suspended luminaire. The luminaire is equipped with the LensoFlex2® technology photometric system. PMMA lenses with wide photometry for increased pole spacing. Fixture is having a surge protection of 10KA. Electronic driver is having power factor>0.90*, THD<20*% and input voltage range from 120-227V AC at 50Hz. Luminaire efficacy is 100 im/ watt system lumen greater than 7500 lumens in CCT range of 4000 as per ANSI. System life of 50000 burning hours with 70% of initial lumens maintained. Luminaire is suitable for operating temperature (Ta) from -20 to 50c. Driver can withstand 320V AC for 48 hours and 360V AC for 2 hours. Make: Surya SLE PT 40W VEGA				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.04 (2nd R.A Bill Qty)	50.000			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.09 (3rd R.A Bill Qty)	15.000			
	Total	**65.000**	**Nos**	**Rs. 33,500.00**	**Rs. 2,177,500.00**
2.04	Providing of XLPE (IS:7098) (1)-88 ISI armoured cable multistrand Aluminium conductor for 1.1 KV. to be laid on wall with necessary clamps or in existing trench/ pipe of 4 core 16 Sq mm cable.				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.04 (2nd R.A Bill Qty)	1500.000		1950 x 275 1050 x 206.25 } 752812/50	
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.09 (3rd R.A Bill Qty)	1500.000			
	Total	**3000.000**	**Mtr**	**Rs. 275.00**	**Rs. 825,000.00**

2.05	Supply of 50mm DWC pipes of approved make for covering of cable.				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.04 (2nd R.A Bill Qty)	1200.000		1560 x 230	503700
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.10 (3rd R.A Bill Qty)	1200.000		840 x 172.50	
	Total	**2400.000**	**Mtr**	**Rs. 230.00**	**Rs. 552,000.00**
2.06	Supply of Flexible PVC insulated multistrand multicore 1.1 kv grade ISI marked copper wires of following size to be erected as directed 1.50 Sq.mm 3 core round PVC sheathed.				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.04 (2nd R.A Bill Qty)	700.000		910 x 255	325762/-
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.10 (3rd R.A Bill Qty)	700.000		490 x 191.25	
	Total	**1400.000**	**Mtr**	**Rs. 255.00**	**Rs. 357,000.00**
3	**SUB HEAD : Installation, Testing and Commissioning of Streetlight System**				
3.01	Installation of 8 mtr Decorative Pole including excavation and constructing M-20/1:2:4 cement concrete foundation of size 45 x 45 x 120 cms. Deep as directed by Engineer-in-charge.				
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.17 (9th R.A Bill Qty)	15.000			
	Qty b/f CMB No.285/EE-III/SWM/MC/2020-21 vide page no.10 (10th R.A Bill Qty)	1.000			
	Total	**16.000**	**Nos**	**Rs. 5,550.00**	**Rs. 88,800.00**
3.02	Installation, Testing and Commissioning of 75/40 watt Decorative LED Luminaries.				
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.17 (9th R.A Bill Qty)	30.000			
	Total	**30.000**	**Nos**	**Rs. 700.00**	**Rs. 21,000.00**
3.03	Excavation and laying of DWC pipe at a 90 mm below the ground level/level below PCC in Jogging trek. Item includes refilling of the same trench.				
	Qty b/f CMB No.285/EE-III/SWM/MC/2020-21 vide page no.10 (10th R.A Bill Qty)	540.500			
	Qty b/f CMB No.301/EE-III/SWM/MC/2021-22 vide page no.19 (12th R.A Bill Qty)	80.650			
	Total	**621.150**	**Mtr**	**Rs. 325.00**	**Rs. 201,873.75**
3.04	Laying of 4x16 Sqmm Aluminium armoured cable in existing laid DWC pipe/on wall.				
	Qty b/f CMB No.285/EE-III/SWM/MC/2020-21 vide page no.10 (10th R.A Bill Qty)	500.460			
	Total	**500.460**	**Mtr**	**Rs. 60.00**	**Rs. 30,027.60**
3.05	Erecting of 3 core 1.5 sqmm copper flexible cable in pole from junction box to Luminaries				
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.17 (9th R.A Bill Qty)	300.000			
	Total	**300.000**	**Nos**	**Rs. 42.00**	**Rs. 12,600.00**

	EXTRA ITEM				
1.00	To provide structural design analysis with strucutal reinforcement details for construction of siutable wall section for the proposed construction of sea wall in front of Girls School along with the sea coast to a height of 3.00 mtrs suggesting appropriate section, designing of section and supply of detailed working drawings in CAD format 04 sets of CD and also vetted by any reconginised engineering college by Govt of India complete.				
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.17 (9th R.A Bill Qty)	1.000			
	Total	**1.000**	**Nos**	**Rs. 69,620.00**	**Rs. 69,620.00**
2.00	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including getting out and disposal of excavated earth lead upto 50 m and lift upto 1.5 m, as directed by Engineer-in-charge. All kinds of soil.				
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.17 (9th R.A Bill Qty)	4739.630			
	Total	**4739.630**	**Cum**	**Rs. 242.00**	**Rs. 1,146,990.46**
3.00	Carriage of Materials by mechanical transport including loading, unloading and stacking of earth for a lead of 05 kms.				
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.17 (9th R.A Bill Qty)	4739.630			
	Total	**4739.630**	**Cum**	**Rs. 228.23**	**Rs. 1,081,725.75**
4.00	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m.				
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.17 (9th R.A Bill Qty)	4739.630			
	Total	**4739.630**	**Cum**	**Rs. 197.00**	**Rs. 933,707.11**
				Total Workdone Amount	**Rs. 67,664,189.67**
	Secured Advance against the materials brought at site			Say	67354164.44
1.09	**Material Laying at site - Steel** TMT bars of size 8mm, 10mm, 12mm, 16mm and 20mm restricted to 90% of element cost	**216020.00**	**Kg**	**Rs. 49.50**	**Rs. 10,692,990.00**
				Total Gross Value	**Rs. 78,357,179.67**
				Paid in 2nd RA Bill	**Rs. 19,024,930.00**
				Paid in 3rd RA Bill	**Rs. 14,369,518.00**
				Paid in 4th RA Bill	**Rs. 2,420,254.00**
				Paid in 5th RA Bill	**Rs. 2,426,735.00**
				Paid in 6th RA Bill	**Rs. 2,379,508.00**
				Paid in 7th RA Bill	**Rs. 2,434,809.00**
				Paid in 8th RA Bill	**Rs. 2,481,635.00**
				Paid in 9th RA Bill	**Rs. 25,068,308.00**
				Paid in 10th RA Bill	**Rs. 2,471,721.00**
				Paid in 11th RA Bill	**Rs. 2,478,212.00**
				Gross Value of 12th RA Bill	**Rs. 2,801,549.67**
				SAY	**Rs. 2,801,550.00**

RECOVERY DETAILS

			Gross Value (A)	Rs. 2,801,550.00
(i)	Schedule B Aggregates (-)	2777387.00		
	a) Already recovered in 3rd RA Bill	1225808.00		
	b) Already recovered in 4th RA Bill	224120.00		
	c) Already recovered in 5th RA Bill	216190.00		
	d) Already recovered in 6th RA Bill	201532.00		
	e) Already recovered in 7th RA Bill	239032.00		
	f) Already recovered in 8th RA Bill	241859.00		
	g) Already recovered in 9th RA Bill	428846.00		
	h) Already recovered in 10th RA Bill	0.00		
	i) Already recovered in 11th RA Bill	0.00		
	j) To be recovered in this bill	Rs. 0.00		Rs. 0.00
(ii)	Material Laying at site - Steel	6694288.00		
	a) Already recovered in 3rd RA Bill	1601924.00		
	b) Already recovered in 4th RA Bill	324012.00		
	c) Already recovered in 5th RA Bill	424990.00		
	d) Already recovered in 6th RA Bill	399197.00		
	e) Already recovered in 7th RA Bill	364686.00		
	f) Already recovered in 8th RA Bill	217034.00		
	g) Already recovered in 9th RA Bill	2160074.00		
	h) Already recovered in 10th RA Bill	330719.00		
	i) Already recovered in 11th RA Bill	400216.00		
	j) To be recovered in this bill	Rs. 471,436.00		Rs. 471,436.00
(iii)	Security deposit @ 2.5% on Total Gross Value	1958929.49		
	a) Already recovered in 2nd RA Bill	475623.00		
	b) Already recovered in 3rd RA Bill	359238.00		
	c) Already recovered in 4th RA Bill	60506.55		
	d) Already recovered in 5th RA Bill	60668.39		
	e) Already recovered in 6th RA Bill	59487.70		
	f) Already recovered in 7th RA Bill	60870.19		
	g) Already recovered in 8th RA Bill	62041.00		
	h) Already recovered in 9th RA Bill	626707.61		
	i) Already recovered in 10th RA Bill	61793.00		
	j) Already recovered in 11th RA Bill	61955.00		
	k) To be recovered in this bill	Rs. 70,039.00		Rs. 70,039.00

(iv)	IT @ 2% on Total Gross Value	1567143.59	1560661/-	
	a) Already recovered in 1st RA Bill	99751.00		
	b) Already recovered in 2nd RA Bill	380499.00		
	c) Already recovered in 3rd RA Bill	287390.00		
	d) Already recovered in 4th RA Bill	484058		
	e) Already recovered in 5th RA Bill	-51216.33		
	f) Already recovered in 6th RA Bill	47590.16		
	g) Already recovered in 7th RA Bill	48696.15		
	h) Already recovered in 8th RA Bill	49633.00		
	i) Already recovered in 9th RA Bill	501365.89	501083/-	
	j) Already recovered in 10th RA Bill	49434.00	49717/-	49548/-
	k) Already recovered in 11th RA Bill	49564.00		49830
	l) To be recovered in this bill	Rs. 56,031.00		Rs. 56,031.00
(v)	Labour Welfare Cess @ 1% on Total Gross Value	783571.80	780331/-	
	a) Already recovered in 2nd RA Bill	190249.00		
	b) Already recovered in 3rd RA Bill	143695.00		
	c) Already recovered in 4th RA Bill	24203.02		
	d) Already recovered in 5th RA Bill	24267.35		
	e) Already recovered in 6th RA Bill	23795.09		
	f) Already recovered in 7th RA Bill	24348.07		
	g) Already recovered in 8th RA Bill	24816.00		
	h) Already recovered in 9th RA Bill	250683.44	250542/-	
	i) Already recovered in 10th RA Bill	24717.00	24859/-	24774/-
	j) Already recovered in 11th RA Bill	24782.00	-	24915
	k) To be recovered in this bill	Rs. 28,016.00		Rs. 28,016.00
(vi)	UGST @ 1% on Total Gross Value	783571.80	780330.50 780472/-	
	a) Already recovered in 1st RA Bill	49875.50		
	b) Already recovered in 2nd RA Bill	190249.50		
	c) Already recovered in 3rd RA Bill	143695.00		
	d) Already recovered in 4th RA Bill	24202.52		
	e) Already recovered in 5th RA Bill	-25608.15		
	f) Already recovered in 6th RA Bill	23795.09		
	g) Already recovered in 7th RA Bill	24348.07		
	h) Already recovered in 8th RA Bill	24816.00		
	i) Already recovered in 9th RA Bill	250683.44	250542/-	
	j) Already recovered in 10th RA Bill	24717.00	24859/-	24774/-
	k) Already recovered in 11th RA Bill	24782.00		24915
	l) To be recovered in this bill	Rs. 28,016.00		Rs. 28,016.00

(vii)	CGST @ 1% on Total Gross Value	
	a) Already recovered in 1st RA Bill	283571.80
	b) Already recovered in 2nd RA Bill	49875.50
	c) Already recovered in 3rd RA Bill	190249.50
	d) Already recovered in 4th RA Bill	143695.00
	e) Already recovered in 5th RA Bill	24202.52
	f) Already recovered in 6th RA Bill	-25608.15
	g) Already recovered in 7th RA Bill	23795.09
	h) Already recovered in 8th RA Bill	24348.07
	i) Already recovered in 9th RA Bill	24816.00
	j) Already recovered in 10th RA Bill	250683.44
	k) Already recovered in 11th RA Bill	24717.00
	l) To be recovered in this bill	24782.00
		Rs. 28,016.00
	Total Recovery (B)	**Rs. 681,554.00**
	Net Amount Payable in this Bill (A-B)	**Rs. 2,419,996.00**
	Says	**Rs. 2,419,996.00**

Net Amount in words:- (Rupees Twenty One Lakhs Nineteen Thousand Nine Hundred Ninety Six Only)

Certified that:-

1. The work has been executed as per terms and conditions of the agreement.
2. No material and T & P has been issued from the Department.
3. Own arrangements for water has been made.
4. No Labour Complaints has been received.
5. Requisite technical staff has been employed as per agreement.
6. Up to date recoveries have been effected in this bill.
7. All Mandatory Test have been conducted.

Signature of the Contractor

Signature of the AE

Signature of the EE (Works)

Ref:- Page No: 01 to 15 of TMB -

Authority :- Marine esplanade: Marina road restructuring uniform carriage way, walking track, Street lighting, Street furniture service core trenching and land scaping.

Agency:- M/s Surendra Infrastructure (P) Ltd.

Gross value work done → 7,80,33,017/-
paid up to 11th RA Bill → 7,55,55,631/-

Gross value of 12th RA Bill → 24,77,386/-

Ded

(i) Sd deposit @ 2.5% on GW → 1950826/-
Already deducted up to 11th RA Bill → 1888891/-
now to be deducted → 61935/-

(ii) I/Tax @ 2% on GW → 1560661/-
Already deducted up to 11th RA Bill → 1511113/-
now to be deducted → 49548/-

(iii) Labourcess @ 1% on GW → 780331/-
Already deducted upto 11th RA Bill → 755557/-
now to be deducted → 24774/-

(iv) TDS on GST @ 2% on GW → 1560661/-
Already deducted up to 11th RA Bill → 1511,113/-
now to be deducted → 49548/-

(v) Material laying at site-steel → 6694288/-
Already deducted up to 11th RA Bill → 6222852/-
now to be deducted → 471436/-

Total Deduction (i)+(ii)+(iii)+(iv)+(v) – Rs. 6,57,241/-
Net payable Amount – Rs 18,20,145/-

Secured Advance against the materials brought at site

Name of Work:- Marine esplanade: Marina road restructuring with uniform carriage way, walking track, street lighting, street furniture, service core trenching and land scaping.

Agreement No :- 01 (PBSPL) of 2020-21

Agency :- M/s. Surendra Infrastructure (P) Ltd.

Serial no of this bill :- 12th RA Bill

S.No	Sch Item No.	Description of Items	Quantity	Unit	Rate Allowed	Amount
1	1.09	Steel TMT Bars	135238.142	Kgs	49.50	6694288.029
					Total Amount	**6694288.03**
					Says	**6694288.00**

Junior Engineer-III (Works)
PBMC

12th RA Bill in respect of M/S Surendra Infrastructure (P) Ltd against Agr. No: 01 (PBSPL) of-2020-21 is passed for ₹= 2477,386/- (Rupees Twenty four lakhs Seventy seven thousand three hundred eighty six only).

Executive Engineer-III (Works)
Municipal Council
Port Blair

payment released for ₹= ~~2477386~~/- 1820145/-

लेखा अधिकारी
ACCOUNTS OFFICER-III
नगरपालिका परिषद
Municipal Council
पोर्ट ब्लेयर / Port Blair

THEORETICAL STATEMENT

Name of Work:- Marine esplanade: Marina road restructuring with uniform carriage way, walking track, street lighting, street furniture, service core trenching and land scaping.

Agreement No :- 01 (PBSPL) of 2020-21

Agency :- M/s. Surendra Infrastructure (P) Ltd.

Serial no of this bill :- 12th RA Bill

S.No	Sch Item No.	Description of Items	Quantity	Unit	Coefficient	Quantity
1	1.07	**M-25 (above Plinth)**	93.150	Cum		
		Cement		Bags	6.860	639.009
		Pulverised Sand		Cum	0.486	45.271
		Stone aggregates 20mm		Cum	0.285	26.547
		Stone aggregates 12.5mm		Cum	0.426	39.682
2	1.08	**M-40**	30.102	Cum		
		Cement		Bags	8.840	266.102
		Pulverised Sand		Cum	0.454	13.666
		Stone aggregates 20mm		Cum	0.277	8.338
		Stone aggregates 12.5mm		Cum	0.415	12.492

Junior Engineer-III (Works)

PBMC

Division:- Executive Engineer-III (SWM/MC), Port Blair Municipal Council, Port Blair

(13th R.A BILL)

COMPUTERIZED MEASUREMENT BOOK

(DETAILS OF ABSTRACT)

CMB No:- 304/EE-III/SWM/MC/2021-22

Name of Work: - Marine esplanade: Marina road restructuring with uniform carriage way, walking track, street lighting, street furniture, service core trenching and land scaping.

Name of Contractor: - M/s. Surendra Infrastructure (P) Ltd.

Agreement No.: - 01 (PBSPL) of 2020-2021

Certified that this Computerized measurement book bearing no.304/EE-III/SWM/MC/2021-22 contains **16** leaves serially numbered from pages 01 to 16 and two blank pages without any damage.

Signature of
Contractor

Signature of
Assistant Engineer

Signature of
Executive Engineer

ABSTRACT OF COST

(13th R.A Bill)

Name of Work:- Marine esplanade: Marina road restructuring with uniform carriage way, walking track, street lighting, street furniture, service core trenching and land scaping.

Agreement No. :- 01 (PBSPL) of 2020-2021

Name of Agency :- M/s. Surendra Infrastructure (P) Ltd.

Date of Commencement:- 07.12.2020

Date of Completion:- In Progress

Reference to previous measurement, if any :- NIL

Serial no. of this bill :- 13th RA Bill

CMB no. of this bill :- 304/EE-III/SWM/MC/2021-22

Date of Abstract:-

Item No.	Particulars	Quantity	Unit	Rate	Amount
1	**CIVIL WORKS**				
1.01	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m. a) All kinds of soil.				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.01 (2nd R.A Bill Qty)	17.617			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.01 (3rd R.A Bill Qty)	139.362			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.01 (4th R.A Bill Qty)	54.283			
	Qty b/f CMB No.267/EE-III/SWM/MC/2020-21 vide page no.01 (8th R.A Bill Qty)	69.113			
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.01 (9th R.A Bill Qty)	2902.781			
	Total	**3183.156**	**Cum**	**Rs. 225.00**	**Rs. 716,210.10**
1.02	Excavation work by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m. Hard rock (blasting prohibited)				
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.01 (9th R.A Bill Qty)	242.226			
	Total	**242.226**	**Cum**	**Rs. 500.00**	**Rs. 121,113.00**
1.03	Filling with available pulverised sand				
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.01 (9th R.A Bill Qty)	144.052			
	Qty b/f CMB No.287/EE-III/SWM/MC/2021-22 vide page no.01 (11th R.A Bill Qty)	15.969			
	Total	**160.021**	**Cum**	**Rs. 3,400.00**	**Rs. 544,071.40**

1.04	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:4:8 (1 Cement : 4 coarse sand (Zone III) : 8 graded stone aggregate 40 mm nominal size)				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.01 (2nd R.A Bill Qty)	11.242			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.02 (3rd R.A Bill Qty)	85.005			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.01 (4th R.A Bill Qty)	11.369			
	Qty b/f CMB No.235/EE-III/SWM/MC/2020-21 vide page no.01 (5th R.A Bill Qty)	8.928			
	Qty b/f CMB No.241/EE-III/SWM/MC/2020-21 vide page no.01 (6th R.A Bill Qty)	2.864			
	Qty b/f CMB No.243/EE-III/SWM/MC/2020-21 vide page no.01 (7th R.A Bill Qty)	13.392			
	Qty b/f CMB No.267/EE-III/SWM/MC/2020-21 vide page no.02 (8th R.A Bill Qty)	15.993			
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.02 (9th R.A Bill Qty)	194.516			
	Qty b/f CMB No.287/EE-III/SWM/MC/2021-22 vide page no.02 (11th R.A Bill Qty)	15.969			
	Total	**359.278**	**Cum**	**Rs. 9,250.00**	**Rs. 3,323,321.50**
1.05	Providing and laying in position machine batched and machine mixed design mix M-25 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying but excluding the cost of centering, shuttering, finishing and reinforcement, including admixtures in recommended proportions as per IS: 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer-in-charge."(Note :- Cement content considered in this item is @ 330 kg/cum."Excess/ less cement used as per design mix is payable/recoverable separately). All works upto plinth level				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.01 (2nd R.A Bill Qty)	10.528			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.03 (3rd R.A Bill Qty)	320.952			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.02 (4th R.A Bill Qty)	59.176			
	Qty b/f CMB No.235/EE-III/SWM/MC/2020-21 vide page no.02 (5th R.A Bill Qty)	58.454			
	Qty b/f CMB No.241/EE-III/SWM/MC/2020-21 vide page no.02 (6th R.A Bill Qty)	16.382			
	Qty b/f CMB No.243/EE-III/SWM/MC/2020-21 vide page no.02 (7th R.A Bill Qty)	74.954			
	Qty b/f CMB No.267/EE-III/SWM/MC/2020-21 videpage no.02 (8th R.A Bill Qty)	81.964			
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.04 (9th R.A Bill Qty)	310.818			
	Qty b/f CMB No.302/EE-III/SWM/MC/2021-22 vide page no.02 (12th R.A Bill Qty)	11.773			
	Total	**945.001**	**Cum**	**Rs. 11,000.00**	**Rs. 10,395,011.00**

1.06	Extra for laying RCC in or under water and/or liquid mud, including cost of pumping or bailing out water and removing slush etc., complete.				
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.03 (3rd R.A Bill Qty)	320.702			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.02 (4th R.A Bill Qty)	80.263			
	Qty b/f CMB No.235/EE-III/SWM/MC/2020-21 vide page no.2 (5th R.A Bill Qty)	89.103			
	Qty b/f CMB No.241/EE-III/SWM/MC/2020-21 vide page no.02 (6th R.A Bill Qty)	24.914			
	Qty b/f CMB No.243/EE-III/SWM/MC/2020-21 vide page no.02 (7th R.A Bill Qty)	110.070			
	Qty b/f CMB No.267/EE-III/SWM/MC/2020-21 vide page no.03 (8th R.A Bill Qty)	68.142			
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.04 (9th R.A Bill Qty)	466.494			
	Qty b/f CMB No.302/EE-III/SWM/MC/2021-22 vide page no.03 (12th R.A Bill Qty)	17.265		202.800×650/- 974.153×487/50	131820.00 47489.59
	Total	**1176.953**	**Cum**	**Rs. 650.00**	**Rs 765,019.31**
1.07	Providing and laying in position machine batched and machine mixed design mix M-25 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying but excluding the cost of centering, shuttering, finishing and reinforcement, including admixtures in recommended proportions as per IS: 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer-in-charge."(Note :- Cement contentconsidered in this item is @ 330 kg/cum."Excess/ less cement used as per design mix is payable/recoverable separately). All works above plinth level upto floor V level				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.02 (2nd R.A Bill Qty)	14.812			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.04 (3rd R.A Bill Qty)	222.185			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.03 (4th R.A Bill Qty)	52.226			
	Qty b/f CMB No.235/EE-III/SWM/MC/2020-21 vide page no.03 (5th R.A Bill Qty)	52.747			
	Qty b/f CMB No.241/EE-III/SWM/MC/2020-21 vide page no.03 (6th R.A Bill Qty)	93.837			
	Qty b/f CMB No.243/EE-III/SWM/MC/2020-21 vide page no.03 (7th R.A Bill Qty)	43.768			
	Qty b/f CMB No.267/EE-III/SWM/MC/2020-21 vide page no.03 (8th R.A Bill Qty)	45.130			
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.06 (9th R.A Bill Qty)	363.021			
	Qty b/f CMB No.285/EE-III/SWM/MC/2021-22 vide page no.04 (10th R.A Bill Qty)	45.949			
	Qty b/f CMB No.287/EE-III/SWM/MC/2021-22 vide page no.03 (11th R.A Bill Qty)	131.561			
	Qty b/f CMB No.302/EE-III/SWM/MC/2021-22 vide page no.04 (12th R.A Bill Qty)	111.481			
	Qty b/f CMB No.303/EE-III/SWM/MC/2021-22 vide page no.02 (13th R.A Bill Qty)	22.148			
	Qty b/f CMB No.303/EE-III/SWM/MC/2021-22 vide page no.04 (13th R.A Bill Qty)	22.950			

	Qty b/f CMB No.303/EE-III/SWM/MC/2021-22 vide page no.07 (13th R.A Bill Qty)	22.951			
	Qty b/f CMB No.303/EE-III/SWM/MC/2021-22 vide page no.08 (13th R.A Bill Qty)	15.353			
	Qty b/f CMB No.303/EE-III/SWM/MC/2021-22 vide page no.10 (13th R.A Bill Qty)	3.150			
	Qty b/f CMB No.303/EE-III/SWM/MC/2021-22 vide page no.11 (13th R.A Bill Qty)	3.486			
	Qty b/f CMB No.303/EE-III/SWM/MC/2021-22 vide page no.11 (13th R.A Bill Qty)	5.250			
	Qty b/f CMB No.303/EE-III/SWM/MC/2021-22 vide page no.12 (13th R.A Bill Qty)	5.250			
	Qty b/f CMB No.303/EE-III/SWM/MC/2021-22 vide page no.13 (13th R.A Bill Qty)	5.250			
	Qty b/f CMB No.303/EE-III/SWM/MC/2021-22 vide page no.14 (13th R.A Bill Qty)	5.250			
	Qty b/f CMB No.303/EE-III/SWM/MC/2021-22 vide page no.15 (13th R.A Bill Qty)	2.940			
	Total	**1290.695**	**Cum**	**Rs. 11,400.00**	**Rs. 14,713,923.00**
	Providing M-25 grade concrete. (Note : Cement content considered as per Design Mix M25 - 343 kg/cbm approved.				
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.05 (3rd R.A Bill Qty)	2003.625			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.03 (4th R.A Bill Qty)	389.337			
	Qty b/f CMB No.267/EE-III/SWM/MC/2020-21 vide page no.04 (8th R.A Bill Qty)	520.130			
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.06 (9th R.A Bill Qty)	334.867			
	Qty b/f CMB No.285/EE-III/SWM/MC/2021-22 vide page no.04 (10th R.A Bill Qty)	194.038			
	Qty b/f CMB No.287/EE-III/SWM/MC/2021-22 vide page no.04 (11th R.A Bill Qty)	1710.293			
	Qty b/f CMB No.302/EE-III/SWM/MC/2020-21 vide page no.04 (12th R.A Bill Qty)	1210.950			
	Extra for providing M-25 grade concrete. (Note : Cement content considered as per Design Mix M25 - 343 kg/cbm approved. (Qty - 93.150 Cum) Cement Qty = 113.978 x 343 = 39094.454 Kg = 113.978 x 330 = 37612.740 Kg Difference Qty = 1481.714 Kg	1481.714			
	Total	**7844.954**	**Kg**	**Rs. 10.00**	**Rs. 78,449.54**
1.08	Extra for providing richer mixes at all floor levels. Note:- Excess/less cement over the specified cement content used is payable / recoverable separately. Providing M-40 grade concrete instead of M-25 grade BMC/RMC. (Note : Cement content considered in M-40 is @ 360 kg/cum)				
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.05 (3rd R.A Bill Qty)	414.336			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.03 (4th R.A Bill Qty)	81.453			
	Qty b/f CMB No.235/EE-III/SWM/MC/2020-21 vide page no.03 (5th R.A Bill Qty)	111.201			
	Qty b/f CMB No.241/EE-III/SWM/MC/2020-21 vide page no.04 (6th R.A Bill Qty)	110.218			
	Qty b/f CMB No.243/EE-III/SWM/MC/2020-21 vide page no.04 (7th R.A Bill Qty)	118.722			

	Qty b/f CMB No.267/EE-III/SWM/MC/2020-21 vide page no.04 (8th R.A Bill Qty)	75.381			
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.07 (9th R.A Bill Qty)	659.783			
	Qty b/f CMB No.285/EE-III/SWM/MC/2021-22 vide page no.04 (10th R.A Bill Qty)	31.023			
	Qty b/f CMB No.302/EE-III/SWM/MC/2021-22 vide page no.04 (12th R.A Bill Qty)	30.102			
	Total	**1632.219**	**Cum**	**Rs. 320.00**	**Rs. 522,310.08**
	Extra for providing richer mixes M-40 grade concrete. (Note : Cement content considered as per Design Mix M40 - 442 kg/cbm approved.				
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.05 (3rd R.A Bill Qty)	33975.552			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.03 (4th R.A Bill Qty)	6679.146			
	Qty b/f CMB No.235/EE-III/SWM/MC/2020-21 vide page no.03 (5th R.A Bill Qty)	9118.482			
	Qty b/f CMB No.241/EE-III/SWM/MC/2020-21 vide page no.05 (6th R.A Bill Qty)	9037.958			
	Qty b/f CMB No.243/EE-III/SWM/MC/2020-21 vide page no.04 (7th R.A Bill Qty)	9735.204			
	Qty b/f CMB No.267/EE-III/SWM/MC/2020-21 vide page no.04 (8th R.A Bill Qty)	6181.242			
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.08 (9th R.A Bill Qty)	54102.206			
	Qty b/f CMB No.285/EE-III/SWM/MC/2021-22 vide page no.05 (10th R.A Bill Qty)	2543.886			
	Qty b/f CMB No.302/EE-III/SWM/MC/2020-21 vide page no.05 (12th R.A Bill Qty)	2468.364			
	Total	**133842.040**	**Kg**	**Rs. 10.00**	**Rs. 1,338,420.40**
1.09	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level. A) Thermo-Mechanically Treated bars of grade Fe-500D or more.				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.02 (2nd R.A Bill Qty)	1051.813			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.05 (3rd R.A Bill Qty)	31310.281			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.04 (4th R.A Bill Qty)	6545.698			
	Qty b/f CMB No.235/EE-III/SWM/MC/2020-21 vide page no.04 (5th R.A Bill Qty)	8585.653			
	Qty b/f CMB No.241/EE-III/SWM/MC/2020-21 vide page no.06 (6th R.A Bill Qty)	8064.591			
	Qty b/f CMB No.243/EE-III/SWM/MC/2020-21 vide page no.04 (7th R.A Bill Qty)	7367.385			
	Qty b/f CMB No.267/EE-III/SWM/MC/2020-21 vide page no.05 (8th R.A Bill Qty)	4384.528			
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.10 (9th R.A Bill Qty)	43637.869			
	Qty b/f CMB No.285/EE-III/SWM/MC/2021-22 vide page no.05 (10th R.A Bill Qty)	6681.193			
	Qty b/f CMB No.287/EE-III/SWM/MC/2021-22 vide page no.05 (11th R.A Bill Qty)	8085.169			
	Qty b/f CMB No.302/EE-III/SWM/MC/2021-22 vide page no.06 (12th R.A Bill Qty)	9523.962			

	Qty b/f CMB No.303/EE-III/SWM/MC/2021-22 vide page no.01 (13th R.A Bill Qty)	869.397			
	Qty b/f CMB No.303/EE-III/SWM/MC/2021-22 vide page no.03 (13th R.A Bill Qty)	870.396			
	Qty b/f CMB No.303/EE-III/SWM/MC/2021-22 vide page no.03 (13th R.A Bill Qty)	869.397			
	Qty b/f CMB No.303/EE-III/SWM/MC/2021-22 vide page no.05 (13th R.A Bill Qty)	870.896			
	Qty b/f CMB No.303/EE-III/SWM/MC/2021-22 vide page no.05 (13th R.A Bill Qty)	872.013			
	Qty b/f CMB No.303/EE-III/SWM/MC/2021-22 vide page no.06 (13th R.A Bill Qty)	870.396			
	Qty b/f CMB No.303/EE-III/SWM/MC/2021-22 vide page no.06 (13th R.A Bill Qty)	874.512			
		141335.149	**Kg**	**Rs. 91.00**	**Rs. 12,861,498.56**
1.1	12 mm plaster 1:4				
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.10 (9th R.A Bill Qty)	1672.905			
		1672.905	**Sqm**	**Rs. 370.00**	**Rs. 618,974.85**
1.11	Centering and shuttering including strutting, propping etc. and removal of form work for : Foundations, footings, bases for columns				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.02 (2nd R.A Bill Qty)	50.400			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.07 (3rd R.A Bill Qty)	267.000			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.04 (4th R.A Bill Qty)	23.630			
	Qty b/f CMB No.235/EE-III/SWM/MC/2020-21 vide page no.04 (5th R.A Bill Qty)	26.800			
	Qty b/f CMB No.241/EE-III/SWM/MC/2020-21 vide page no.06 (6th R.A Bill Qty)	11.320			
	Qty b/f CMB No.243/EE-III/SWM/MC/2020-21 vide page no.05 (7th R.A Bill Qty)	40.200			
	Qty b/f CMB No.267/EE-III/SWM/MC/2020-21 vide page no.05 (8th R.A Bill Qty)	30.480			
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.11 (9th R.A Bill Qty)	149.200			
	Total	**599.030**	**Sqm**	**Rs. 340.00**	**Rs. 203,670.20**
1.12	Centering and shuttering including strutting, propping etc. and removal of form work for : Retaining walls, return walls, walls (any thickness) including attached pilasters, butteresses, plinth and string courses fillets, kerbs and steps etc.				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.02 (2nd R.A Bill Qty)	142.478			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.08 (3rd R.A Bill Qty)	1784.236			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.04 (4th R.A Bill Qty)	542.815			
	Qty b/f CMB No.235/EE-III/SWM/MC/2020-21 vide page no.05 (5th R.A Bill Qty)	234.276			
	Qty b/f CMB No.241/EE-III/SWM/MC/2020-21 vide page no.07 (6th R.A Bill Qty)	383.468			
	Qty b/f CMB No.243/EE-III/SWM/MC/2020-21 vide page no.05 (7th R.A Bill Qty)	197.338			

	Qty b/f CMB No.267/EE-III/SWM/MC/2020-21 vide page no.06 (8th R.A Bill Qty)	604.812			
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.13 (9th R.A Bill Qty)	1768.461			
	Qty b/f CMB No.285/EE-III/SWM/MC/2021-22 vide page no.07 (10th R.A Bill Qty)	200.384			
	Qty b/f CMB No.287/EE-III/SWM/MC/2021-22 vide page no.06 (11th R.A Bill Qty)	41.326			
	Qty b/f CMB No.302/EE-III/SWM/MC/2021-22 vide page no.07 (12th R.A Bill Qty)	224.470			
	Qty b/f CMB No.303/EE-III/SWM/MC/2021-22 vide page no.02 (13th R.A Bill Qty)	9.000			
	Qty b/f CMB No.303/EE-III/SWM/MC/2021-22 vide page no.04 (13th R.A Bill Qty)	9.000			
	Qty b/f CMB No.303/EE-III/SWM/MC/2021-22 vide page no.07 (13th R.A Bill Qty)	9.000			
	Qty b/f CMB No.303/EE-III/SWM/MC/2021-22 vide page no.08 (13th R.A Bill Qty)	6.000			
	Qty b/f CMB No.303/EE-III/SWM/MC/2021-22 vide page no.10 (13th R.A Bill Qty)	88.480			
	Qty b/f CMB No.303/EE-III/SWM/MC/2021-22 vide page no.11 (13th R.A Bill Qty)	70.000			
	Qty b/f CMB No.303/EE-III/SWM/MC/2021-22 vide page no.12 (13th R.A Bill Qty)	70.000			
	Qty b/f CMB No.303/EE-III/SWM/MC/2021-22 vide page no.13 (13th R.A Bill Qty)	70.000			
	Qty b/f CMB No.303/EE-III/SWM/MC/2021-22 vide page no.14 (13th R.A Bill Qty)	70.000			
	Qty b/f CMB No.303/EE-III/SWM/MC/2021-22 vide page no.15 (13th R.A Bill Qty)	39.200			
	Total	**6564.744**	**Sqm**	**Rs. 570.00**	**Rs. 3,741,904.08**
1.13	Centering and shuttering including strutting, propping etc. and removal of form for all heights : Extra for shuttering in circular work (20% of respective centering and shutttering items)				
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.05 (4th R.A Bill Qty)	50.597			
	Qty b/f CMB No.235/EE-III/SWM/MC/2020-21 vide page no.05 (5th R.A Bill Qty)	37.948			
	Qty b/f CMB No.241/EE-III/SWM/MC/2020-21 vide page no.07 (6th R.A Bill Qty)	59.749			
	Qty b/f CMB No.243/EE-III/SWM/MC/2020-21 vide page no.05 (7th R.A Bill Qty)	12.649			
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.13 (9th R.A Bill Qty)	138.574			
	Qty b/f CMB No.285/EE-III/SWM/MC/2021-22 vide page no.07 (10th R.A Bill Qty)	37.948			
	Qty b/f CMB No.302/EE-III/SWM/MC/2021-22 vide page no.07 (12th R.A Bill Qty)	8.786			
	Total	**346.251**	**Sqm**	**Rs. 150.00**	**Rs. 51,937.65**
1.16	Providing and fixing FRP Pultruded hand rail with PU coating with 50x50x6mm post, top ergonomic hand rail 70x65x4mm mild omega shaped 80x4mm Toe/knee plate 80x3 mm with FRP Foot mount & SS 316 L fasterners Height 600mm AND FRP post at every 1.5 meter as per the direction of the engineer in charge.				
	Qty b/f CMB No.303/EE-III/SWM/MC/2021-22 vide page no.16 (13th R.A Bill Qty)	30.000			
	Qty b/f CMB No.303/EE-III/SWM/MC/2021-22 vide page no.16 (13th R.A Bill Qty)	33.200			
	Total	**63.200**	**meter**	**Rs. 5,600.00**	**Rs. 353,920.00**

1.17	Providing and laying factory made chamfered edge Cement Concrete paver blocks in foot path, park & lawns driveway or light & traffic parking etc. of required strength, thickness & size/shape, made by table vibratory method using PU mould, laid in required colour & pattern over 50 mm thick compacted bed of course sand, compacting and proper embedding/laying of inter locking paver blocks unto the sand bedding layer through vibratory compaction by using plate vibrator, filling the joints with sand and cutting of paver blocks as per required size and pattern, finishing and sweeping extra sand, all complete as per manufacturer's specifications & direction of Engineer-in-Charge. 80mm thick Cement concrete paver block of M-35 grade with approved colour, design & pattern.				
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.14 (9th R.A Bill Qty)	1898.814			
	Qty b/f CMB No.285/EE-III/SWM/MC/2021-22 vide page no.07 (10th R.A Bill Qty)	428.519			
	Total	**2327.333**	**Sqm**	**Rs. 2,300.00**	**Rs. 5,352,865.90**
1.19	Demolishing R.C.C. work manually/ by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge.				
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.14 (9th R.A Bill Qty)	28.211			
	Total	**28.211**	**Cum**	**Rs. 1,100.00**	**Rs. 31,032.10**
1.2	Demolishing cement concrete manually/ by mechanical means and disposal of material within 50 metres lead as per direction of Engineerin-charge. cum Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix)				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.03 (2nd R.A Bill Qty)	2.963			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.08 (3rd R.A Bill Qty)	65.457			
	Qty b/f CMB No.267/EE-III/SWM/MC/2020-21 vide page no.07 (8th R.A Bill Qty)	21.475			
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.14 (9th R.A Bill Qty)	43.554			
	Qty b/f CMB No.303/EE-III/SWM/MC/2021-22 vide page no.09 (13th R.A Bill Qty)	2.892			
	Total	**136.341**	**Cum**	**Rs. 1,100.00**	**Rs. 149,975.10**
2	**ELECTRICAL WORKS**				
2.01	Supply of 8 Mtr. height decorative Chatsworth pole having cast iron decorative base and pipe dia of 165mm dia & 1 mtr long with cast iron reducer joining with 101mm OD straight pipe. Pole shall be mounted on square base plate. Decorative Cascade bracket with 940mm height mounted on pole. Pole and two brackets at differential height shall be galvanized and painted with PU paint in closed paint chamber with heating treatment in chamber, Make: Surya				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.03 (2nd R.A Bill Qty)	50.000			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.08 (3rd R.A Bill Qty)	15.000			
	Total	**65.000**	**Nos**	**Rs. 64,000.00**	**Rs. 4,160,000.00**

2.02	Supply of Decorative Luminaires for Urban lighting, body made of painted spun aluminum, The protector is made of polycarbonate grade UVresistant (IK 08), Permanently sealed optical compartment with IP66 protection. Luminaire offers tool free access to gear compartment with IP44 protection. Luminaire can be installed as a suspended luminaire. The luminaire is equipped with the LensoFlex2® technology photometric system. PMMA lenses with wide photometry for increased pole spacing. Fixture is having a surge protection of 10KA. Electronic driver is having power factor>0.90*, THD<20*% and input voltage range from 120-227V AC at 50Hz. Luminaire efficacy is 100 im/ watt system lumen greater than 7500 lumens in CCT range of 4000 as per ANSI. System life of 50000 burning hours with 70% of initial lumens maintained. Luminaire is suitable for operating temperature (Ta) from -20 to 50c. Driver can withstand 320V AC for 48 hours and 360V AC for 2 hours. Make: Surya SLE PT 75W VEGA				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.03 (2nd R.A Bill Qty)	50.000			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.09 (3rd R.A Bill Qty)	15.000			
	Total	**65.000**	**Nos**	**Rs. 40,000.00**	**Rs. 2,600,000.00**
2.03	Supply of Decorative Luminaires for Urban lighting, body made of painted spun aluminum, The protector is made of polycarbonate grade UVresistant (IK 08), Permanently sealed optical compartment with IP66 protection. Luminaire offers tool free access to gear compartment with IP44 protection. Luminaire can be installed as a suspended luminaire. The luminaire is equipped with the LensoFlex2® technology photometric system. PMMA lenses with wide photometry for increased pole spacing. Fixture is having a surge protection of 10KA. Electronic driver is having power factor>0.90*, THD<20*% and input voltage range from 120-227V AC at 50Hz. Luminaire efficacy is 100 im/ watt system lumen greater than 7500 lumens in CCT range of 4000 as per ANSI. System life of 50000 burning hours with 70% of initial lumens maintained. Luminaire is suitable for operating temperature (Ta) from -20 to 50c. Driver can withstand 320V AC for 48 hours and 360V AC for 2 hours. Make: Surya SLE PT 40W VEGA				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.04 (2nd R.A Bill Qty)	50.000			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.09 (3rd R.A Bill Qty)	15.000			
	Total	**65.000**	**Nos**	**Rs. 33,500.00**	**Rs. 2,177,500.00**
2.04	Providing of XLPE (IS:7098) (I)-88 ISI armoured cable multistrand Aluminium conductor for 1.1 KV. to be laid on wall with necessary clamps or in existing trench/ pipe of 4 core 16 Sq.mm cable.				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.04 (2nd R.A Bill Qty)	1500.000	1950 x 275.00 1050 x 206.25	536250.00 216562.50	
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.09 (3rd R.A Bill Qty)	1500.000			
	Total	**3000.000**	**Mtr**	**Rs. 275.00**	**Rs. 825,000.00**

2.05	Supply of 50mm DWC pipes of approved make for covering of cable.				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.04 (2nd R.A Bill Qty)	1200.000	1560.00	x 230.00	358800.00
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.10 (3rd R.A Bill Qty)	1200.000	840.00	x 172.50	144900.00
	Total	**2400.000**	**Mtr**	**Rs. 230.00**	**Rs 552,000.00**
2.06	Supply of Flexible PVC insulated multistrand multicore 1.1 kv grade ISI marked copper wires of following size to be erected as directed 1.50 Sq.mm 3 core round PVC sheathed.				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.04 (2nd R.A Bill Qty)	700.000		910.00 x 255/-	= 232050.00
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.10 (3rd R.A Bill Qty)	700.000		490.00 x 191.25	= 93712.50
	Total	**1400.000**	**Mtr**	**Rs. 255.00**	**Rs. 357,000.00**
3	**SUB HEAD : Installation, Testing and Commissioning of Streetlight System**				
3.01	Installation of 8 mtr Decorative Pole including excavation and constructing M-20/1:2:4 cement concrete foundation of size 45 x 45 x 120 cms. Deep as directed by Engineer-in-charge.				
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.17 (9th R.A Bill Qty)	15.000			
	Qty b/f CMB No.285/EE-III/SWM/MC/2021-22 vide page no.10 (10th R.A Bill Qty)	1.000			
	Total	**16.000**	**Nos**	**Rs. 5,550.00**	**Rs. 88,800.00**
3.02	Installation, Testing and Commissioning of 75/40 watt Decorative LED Luminaries.				
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.17 (9th R.A Bill Qty)	30.000			
	Total	**30.000**	**Nos**	**Rs. 700.00**	**Rs. 21,000.00**
3.03	Excavation and laying of DWC pipe at a 90 mm below the ground level/level below PCC in Jogging trek. Item includes refilling of the same trench.				
	Qty b/f CMB No.285/EE-III/SWM/MC/2021-22 vide page no.10 (10th R.A Bill Qty)	540.500			
	Qty b/f CMB No.302/EE-III/SWM/MC/2021-22 vide page no.10 (12th R.A Bill Qty)	80.650			
	Total	**621.150**	**Mtr**	**Rs. 325.00**	**Rs. 201,873.75**
3.04	Laying of 4x16 Sqmm Aluminium armoured cable in existing laid DWC pipe/on wall.				
	Qty b/f CMB No.285/EE-III/SWM/MC/2021-22 vide page no.10 (10th R.A Bill Qty)	500.460			
	Total	**500.460**	**Mtr**	**Rs. 60.00**	**Rs. 30,027.60**
3.05	Erecting of 3 core 1.5 sqmm copper flexible cable in pole from junction box to Luminaries				
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.17 (9th R.A Bill Qty)	300.000			
	Total	**300.000**	**Nos**	**Rs. 42.00**	**Rs. 12,600.00**

	EXTRA ITEM				
1.00	To provide structural design analysis with strucutal reinforcement details for construction of siutable wall section for the proposed construction of sea wall in front of Girls School along with the sea coast to a height of 3.00 mtrs suggesting appropriate section, designing of section and supply of detailed working drawings in CAD format 04 sets of CD and also vetted by any reconginised engineering college by Govt of India complete.				
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.17 (9th R.A Bill Qty)	1.000			
	Total	**1.000**	**Nos**	**Rs. 69,620.00**	**Rs. 69,620.00**
2.00	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including getting out and disposal of excavated earth lead upto 50 m and lift upto 1.5 m, as directed by Engineer-in-charge. All kinds of soil.				
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.17 (9th R.A Bill Qty)	4739.630			
	Total	**4739.630**	**Cum**	**Rs. 242.00**	**Rs. 1,146,990.46**
3.00	Carriage of Materials by mechanical transport including loading, unloading and stacking of earth for a lead of 05 kms.				
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.17 (9th R.A Bill Qty)	4739.630			
	Total	**4739.630**	**Cum**	**Rs. 228.23**	**Rs. 1,081,725.75**
4.00	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m.				
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.17 (9th R.A Bill Qty)	4667.865			919569.41
	Total	~~4739.63~~	**Cum**	**Rs. 197.00**	~~Rs. 933,707.11~~
				Total Workdone Amount	~~Rs. 70,127,334.74~~
	Secured Advance against the materials brought at site				~~69817309.92~~
1.09	**Material Laying at site - Steel** TMT bars of size 8mm, 10mm, 12mm, 16mm and 20mm restricted to 90% of element cost	**216020.00**	**Kg**	**Rs. 49.50**	**Rs. 10,692,990.00**
					80510300.02
		~~80510299.92~~		**Total Gross Value**	~~Rs. 81,820,324.74~~
	~~80,524,488.40~~	~~80510300.00~~		**Paid in 2nd RA Bill**	**Rs. 19,024,930.00**
				Paid in 3rd RA Bill	**Rs. 14,369,518.00**
				Paid in 4th RA Bill	**Rs. 2,420,254.00**
				Paid in 5th RA Bill	**Rs. 2,426,737.00**
		~~78033017.00~~		**Paid in 6th RA Bill**	**Rs. 2,379,507.00**
				Paid in 7th RA Bill	**Rs. 2,434,807.00**
				Paid in 8th RA Bill	**Rs. 2,481,634.00**
				Paid in 9th RA Bill	**Rs. 25,054,173.00**
				Paid in 10th RA Bill	**Rs. 2,485,858.00**
		~~78050154~~		**Paid in 11th RA Bill**	**Rs. 2,478,212.00**
	4/16 12	~~78047154~~		**Paid in 12th RA Bill**	**Rs. 2,491,524.00**
		~~2469145.92~~		**Gross Value of 13th RA Bill**	**Rs. 2,773,170.74**
		~~2469146~~	~~2,774,284.74~~	**SAY**	**Rs. ~~2,773,171.00~~**

2477283.00

	RECOVERY DETAILS				2477283.80 (2463146.00)
				Gross Value (A)	**Rs. 2,773,171.00**
(i)	Mobilization Advance reduction for 1) BG No. 83/2020 amounting to Rs.10,97,000/- for advance of Rs.9,97,512/-				Rs. 997,512.00 M
(ii)	Schedule B Aggregates (-)	2845961.00			
	a) Already recovered in 3rd RA Bill	1225808.00			
	b) Already recovered in 4th RA Bill	224120.00			
	c) Already recovered in 5th RA Bill	216190.00			
	d) Already recovered in 6th RA Bill	201532.00			
	e) Already recovered in 7th RA Bill	239032.00			
	f) Already recovered in 8th RA Bill	241859.00			
	g) Already recovered in 9th RA Bill	497420.00			
	h) Already recovered in 10th RA Bill	0.00			
	i) Already recovered in 11th RA Bill	0.00			
	j) Already recovered in 12th RA Bill	0.00			
	k) To be recovered in this bill	Rs. 0.00			Rs. 0.00
(iii)	Material Laying at site - Steel	6996090.00			
	a) Already recovered in 3rd RA Bill	1601924.00			
	b) Already recovered in 4th RA Bill	324012.00			
	c) Already recovered in 5th RA Bill	424990.00			
	d) Already recovered in 6th RA Bill	399197.00			
	e) Already recovered in 7th RA Bill	364686.00			
	f) Already recovered in 8th RA Bill	217034.00			
	g) Already recovered in 9th RA Bill	2160074.00			
	h) Already recovered in 10th RA Bill	330719.00			
	i) Already recovered in 11th RA Bill	400216.00			
	j) Already recovered in 12th RA Bill	471436.00			
	k) To be recovered in this bill	Rs. 301,802.00			Rs. 301,802.00 M
(iv)	Security deposit @ 2.5% on Total Gross Value	2020508.12	2012758/- M		
	a) Already recovered in 2nd RA Bill	475623.00	-		
	b) Already recovered in 3rd RA Bill	359238.00	-		
	c) Already recovered in 4th RA Bill	60506.55	-		
	d) Already recovered in 5th RA Bill	60668.39	-		
	e) Already recovered in 6th RA Bill	59487.70	-		
	f) Already recovered in 7th RA Bill	60870.19	-		
	g) Already recovered in 8th RA Bill	62041.00	-		
	h) Already recovered in 9th RA Bill	626354.00	-		
	i) Already recovered in 10th RA Bill	62146.00	-		
	j) Already recovered in 11th RA Bill	61955.00	-		61932 /=
	k) Already recovered in 12th RA Bill	62288.00	-		(61579)
	l) To be recovered in this bill	Rs. 69,330.00			Rs. 69,330.00

(v)	IT @ 2% on Total Gross Value	1616406.49	1616206/-	1610207/-	
	a) Already recovered in 1st RA Bill	99751.00			
	b) Already recovered in 2nd RA Bill	380499.00			
	c) Already recovered in 3rd RA Bill	287390.00			
	d) Already recovered in 4th RA Bill	48405.08			
	e) Already recovered in 5th RA Bill	-51216.33			
	f) Already recovered in 6th RA Bill	47590.16			
	g) Already recovered in 7th RA Bill	48696.15			
	h) Already recovered in 8th RA Bill	49633.00			
	i) Already recovered in 9th RA Bill	501083.00			
	j) Already recovered in 10th RA Bill	49717.00			
	k) Already recovered in 11th RA Bill	49564.00			
	l) Already recovered in 12th RA Bill	49830.00			49263/-
	m) To be recovered in this bill	Rs. 55,464.00			Rs. 55,464.00
(vi)	Labour Welfare Cess @ 1% on Total Gross Value	808203.25	805103/-		
	a) Already recovered in 2nd RA Bill	190249.00			
	b) Already recovered in 3rd RA Bill	143695.00			
	c) Already recovered in 4th RA Bill	24203.02			
	d) Already recovered in 5th RA Bill	24267.35			
	e) Already recovered in 6th RA Bill	23795.09			
	f) Already recovered in 7th RA Bill	24348.07			
	g) Already recovered in 8th RA Bill	24816.00			
	h) Already recovered in 9th RA Bill	250542.00			
	i) Already recovered in 10th RA Bill	24859.00			
	j) Already recovered in 11th RA Bill	24782.00			29596/=
	k) Already recovered in 12th RA Bill	24915.00			(24631/-
	l) To be recovered in this bill	Rs. 27,732.00			Rs. 27,732.00
(vii)	UGST @ 1% on Total Gross Value	808203.25	805103/-		
	a) Already recovered in 1st RA Bill	49875.50			
	b) Already recovered in 2nd RA Bill	190249.50			
	c) Already recovered in 3rd RA Bill	143695.00			
	d) Already recovered in 4th RA Bill	24202.52			
	e) Already recovered in 5th RA Bill	-25608.15			
	f) Already recovered in 6th RA Bill	23795.09			
	g) Already recovered in 7th RA Bill	24348.07			
	h) Already recovered in 8th RA Bill	24816.00			
	i) Already recovered in 9th RA Bill	250542.00			
	j) Already recovered in 10th RA Bill	24859.00			
	k) Already recovered in 11th RA Bill	24782.00			24723/-
	l) Already recovered in 12th RA Bill	24915.00			(24681/-
	m) To be recovered in this bill	Rs. 27,732.00			Rs. 27,732.00

(viii)	CGST @ 1% on Total Gross Value	808203.25		
	a) Already recovered in 1st RA Bill	49875.50		
	b) Already recovered in 2nd RA Bill	190249.50		
	c) Already recovered in 3rd RA Bill	143695.00		
	d) Already recovered in 4th RA Bill	24202.52		
	e) Already recovered in 5th RA Bill	-25608.15		
	f) Already recovered in 6th RA Bill	23795.09		
	g) Already recovered in 7th RA Bill	24348.07		
	h) Already recovered in 8th RA Bill	24816.00		
	i) Already recovered in 9th RA Bill	250542.00		
	j) Already recovered in 10th RA Bill	24859.00		
	k) Already recovered in 11th RA Bill	24782.00		
	l) Already recovered in 12th RA Bill	24915.00		
	m) To be recovered in this bill	Rs. 27,732.00		Rs. 27,732.00
			Total Recovery (B)	Rs. 1,507,304.00
			Net Amount Payable in this Bill (A-B)	Rs. 1,265,867.00
			Says	Rs. 1,265,867.00

Net Amount in words:- (Rupees Twelve Lakhs Sixty Five Thousand Eight Hundred Sixty Seven Only)

Certified that:-

1. The work has been executed as per terms and conditions of the agreement.
2. No material and T & P has been issued from the Department.
3. Own arrangements for water has been made.
4. No Labour Complaints has been received.
5. Requisite technical staff has been employed as per agreement.
6. Up to date recoveries have been effected in this bill.
7. All Mandatory Test have been conducted.

Signature of the Contractor

Signature of the AE

Signature of the EE (Works)

Ref. Page No: 01 to 15 of- TMB:

Authority :- 01 (PBSPL) of 2020-21

W.O.W :- Kirana road restructuring with uniform carriage way, walking track street lighting, Street Furniture, service core trenching & landscaping.

Agency :- M/s Surendra Infrastructure (P) Ltd.

Total Gross value of work done	→	8,05,10,300/-
Already paid up to 12th RA Bill	→	7,80,33,017/-
Gross value of 13th RA Bill	→	24,77,283/-

Ded

(i) S/deposit @ 2.5% on GV	→	2012758/-
Already deducted up to 12th RA Bill	→	1950826/-
now to be deducted.	→	61932/-
(ii) I/Tax @ 2% on GV	→	1610207/-
Already deducted up to 12th RA Bill	→	1560661/-
now to be deducted	→	49546/-
I/T deduction to be adjusted less Recovery of mobilization advance of- ₹= 997512/- (Bsr No. 83/2020 amounting to ₹= 10973000/- for advance ₹=997512/-)	→	19950/-
Actual I/T to be deducted now	→	29596/-
(iii) Labour cess @ 1% on GV	→	805104/-
Already deducted up to 12th RA Bill	→	780331/-
now to be deducted.	→	24773/-
(iv) TDS on GST @ 2% on GV	→	1610207/-
Already deducted up to 12th RA Bill	→	1560661/-
now to be deducted	→	49546/-
TDS deduction to be adjusted less Recovery of mobilization advance of- ₹= 997512 - (Bsr No. 83/2020 amounting to ₹= 10973000/- for advance of ₹=997512/-)	→	19950/-
Actual TDS to be deducted now	→	29596/-

Secured Advance against the materials brought at site

Name of Work:- Marine esplanade: Marina road restructuring with uniform carriage way, walking track, street lighting, street furniture, service core trenching and land scaping.

Agreement No :- 01 (PBSPL) of 2020-21

Agency :- M/s. Surendra Infrastructure (P) Ltd.

Serial no of this bill :- 13th RA Bill

S.No	Sch Item No.	Description of Items	Quantity	Unit	Rate Allowed	Amount
1	1.09	Steel TMT Bars	141335.149	Kgs	49.50	6996089.876
					Total Amount	**6996089.88**
					Says	**6996090.00**

Junior Engineer-III (Works)

PBMC

(V) Material laying at site. Steel already deducted up to 11 RA Bill → 6996090/- → 6694288/-

Now to be deducted → 301802/-

(VI) Mobilization advance recovery for BSR No:-83/2020 amounting to Rs. 1097000/- For advance of ₹ = 997512/- → 997512/-

Total Deduction → 14,45,211/-

Net payable Amount → 10,32,072/-

Cont-III

13th RA Bill in respect of M/s Surendra Infrastructure (P) Ltd against NIT. 01(PBSPL) of 2020-21 is passed for ₹= 24,77,283/= (Rupees Twenty four lakhs Seventy seven thousand two hundred eighty three only).

Executive Engineer-III (WKs)
Municipal Council
Port Blair

payment released for ₹= 10,32,072/=

लेखा अधिकारी
ACCOUNT OFFICER-III
नगरपालिका परिषद
Municipal Council
पोर्ट ब्लेयर / Port Blair

THEORETICAL STATEMENT

Name of Work:- Marine esplanade: Marina road restructuring with uniform carriage way, walking track, street lighting, street furniture, service core trenching and land scaping.

Agreement No :- 01 (PBSPL) of 2020-21

Agency :- M/s. Surendra Infrastructure (P) Ltd.

Serial no of this bill :- 13th RA Bill

S.No	Sch Item No.	Description of Items	Quantity	Unit	Coefficient	Quantity
1	1.07	**M-25 (above Plinth)**	113.978	Cum		
		Cement		Bags	6.860	781.889
		Pulverised Sand		Cum	0.486	55.393
		Stone aggregates 20mm		Cum	0.285	32.484
		Stone aggregates 12.5mm		Cum	0.426	48.555

Junior Engineer-III (Works)

PBMC

Division:- Executive Engineer-III (SWM/MC), Port Blair Municipal Council, Port Blair

(14th R.A BILL)

COMPUTERIZED MEASUREMENT BOOK

(DETAILS OF ABSTRACT)

CMB No:- 306/EE-III/SWM/MC/2021-22

Name of Work: - Marine esplanade: Marina road restructuring with uniform carriage way, walking track, street lighting, street furniture, service core trenching and land scaping.

Name of Contractor: - M/s. Surendra Infrastructure (P) Ltd.

Agreement No.: - 01 (PBSPL) of 2020-2021

Certified that this Computerized measurement book bearing no.306/EE-III/SWM/MC/2021-22 contains **16** leaves serially numbered from pages 01 to 16 and two blank pages without any damage.

Signature of
Contractor

Signature of
Assistant Engineer

Signature of
Executive Engineer

ABSTRACT OF COST

(14th R.A Bill)

Name of Work:- Marine esplanade: Marina road restructuring with uniform carriage way, walking track, street lighting, street furniture, service core trenching and land scaping.

Agreement No. :- 01 (PBSPL) of 2020-2021

Name of Agency :- M/s. Surendra Infrastructure (P) Ltd.

Date of Commencement:- 07.12.2020

Date of Completion:- In Progress

Reference to previous measurement, if any :- NIL

Serial no. of this bill :- 14th RA Bill

CMB no. of this bill :- 306/EE-III/SWM/MC/2021-22

Date of Abstract:-

Item No.	Particulars	Quantity	Unit	Rate	Amount
1	**CIVIL WORKS**				
1.01	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m. a) All kinds of soil.				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.01 (2nd R.A Bill Qty)	17.617			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.01 (3rd R.A Bill Qty)	139.362			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.01 (4th R.A Bill Qty)	54.283			
	Qty b/f CMB No.267/EE-III/SWM/MC/2020-21 vide page no.01 (8th R.A Bill Qty)	69.113			
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.01 (9th R.A Bill Qty)	2902.781			
	Total	**3183.156**	**Cum**	**Rs. 225.00**	**Rs. 716,210.10**
1.02	Excavation work by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m. Hard rock (blasting prohibited)				
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.01 (9th R.A Bill Qty)	242.226			
	Total	**242.226**	**Cum**	**Rs. 500.00**	**Rs. 121,113.00**
1.03	Filling with available pulverised sand				
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.01 (9th R.A Bill Qty)	144.052			
	Qty b/f CMB No.287/EE-III/SWM/MC/2021-22 vide page no.01 (11th R.A Bill Qty)	15.969			
	Total	**160.021**	**Cum**	**Rs. 3,400.00**	**Rs. 544,071.40**

1.04	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:4:8 (1 Cement : 4 coarse sand (Zone III) : 8 graded stone aggregate 40 mm nominal size)				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.01 (2nd R.A Bill Qty)	11.242			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.02 (3rd R.A Bill Qty)	85.005			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.01 (4th R.A Bill Qty)	11.369			
	Qty b/f CMB No.235/EE-III/SWM/MC/2020-21 vide page no.01 (5th R.A Bill Qty)	8.928			
	Qty b/f CMB No.241/EE-III/SWM/MC/2020-21 vide page no.01 (6th R.A Bill Qty)	2.864			
	Qty b/f CMB No.243/EE-III/SWM/MC/2020-21 vide page no.01 (7th R.A Bill Qty)	13.392			
	Qty b/f CMB No.267/EE-III/SWM/MC/2020-21 vide page no.02 (8th R.A Bill Qty)	15.993			
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.02 (9th R.A Bill Qty)	194.516			
	Qty b/f CMB No.287/EE-III/SWM/MC/2021-22 vide page no.02 (11th R.A Bill Qty)	15.969			
	Total	**359.278**	**Cum**	**Rs. 9,250.00**	**Rs. 3,323,321.50**
1.05	Providing and laying in position machine batched and machine mixed design mix M-25 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying but excluding the cost of centering, shuttering, finishing and reinforcement, including admixtures in recommended proportions as per IS: 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer-in-charge."(Note :- Cement content considered in this item is @ 330 kg/cum."Excess/ less cement used as per design mix is payable/recoverable separately). All works upto plinth level				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.01 (2nd R.A Bill Qty)	10.528			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.03 (3rd R.A Bill Qty)	320.952			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.02 (4th R.A Bill Qty)	59.176			
	Qty b/f CMB No.235/EE-III/SWM/MC/2020-21 vide page no.02 (5th R.A Bill Qty)	58.454			
	Qty b/f CMB No.241/EE-III/SWM/MC/2020-21 vide page no.02 (6th R.A Bill Qty)	16.382			
	Qty b/f CMB No.243/EE-III/SWM/MC/2020-21 vide page no.02 (7th R.A Bill Qty)	74.954			
	Qty b/f CMB No.267/EE-III/SWM/MC/2020-21 videpage no.02 (8th R.A Bill Qty)	81.964			
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.04 (9th R.A Bill Qty)	310.818			
	Qty b/f CMB No.302/EE-III/SWM/MC/2021-22 vide page no.02 (12th R.A Bill Qty)	11.773			
	Total	**945.001**	**Cum**	**Rs. 11,000.00**	**Rs. 10,395,011.00**

1.06	Extra for laying RCC in or under water and/or liquid mud, including cost of pumping or bailing out water and removing slush etc., complete.				
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.03 (3rd R.A Bill Qty)	320.702			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.02 (4th R.A Bill Qty)	80.263			
	Qty b/f CMB No.235/EE-III/SWM/MC/2020-21 vide page no.2 (5th R.A Bill Qty)	89.103			
	Qty b/f CMB No.241/EE-III/SWM/MC/2020-21 vide page no.02 (6th R.A Bill Qty)	24.914			
	Qty b/f CMB No.243/EE-III/SWM/MC/2020-21 vide page no.02 (7th R.A Bill Qty)	110.070			
	Qty b/f CMB No.267/EE-III/SWM/MC/2020-21 vide page no.03 (8th R.A Bill Qty)	68.142			
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.04 (9th R.A Bill Qty)	466.494	202	·800×650/-	131820·w·
	Qty b/f CMB No.302/EE-III/SWM/MC/2021-22 vide page no.03 (12th R.A Bill Qty)	17.265	974	·153×487/50	474899·59
	Total	**1176.953**	**Cum**	**Rs. 650.00**	**Rs. 765,019.31**
1.07	Providing and laying in position machine batched and machine mixed design mix M-25 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying but excluding the cost of centering, shuttering, finishing and reinforcement, including admixtures in recommended proportions as per IS: 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer-in-charge."(Note :- Cement contentconsidered in this item is @ 330 kg/cum."Excess/ less cement used as per design mix is payable/recoverable separately). All works above plinth level upto floor V level				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.02 (2nd R.A Bill Qty)	14.812			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.04 (3rd R.A Bill Qty)	222.185			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.03 (4th R.A Bill Qty)	52.226			
	Qty b/f CMB No.235/EE-III/SWM/MC/2020-21 vide page no.03 (5th R.A Bill Qty)	52.747			
	Qty b/f CMB No.241/EE-III/SWM/MC/2020-21 vide page no.03 (6th R.A Bill Qty)	93.837			
	Qty b/f CMB No.243/EE-III/SWM/MC/2020-21 vide page no.03 (7th R.A Bill Qty)	43.768			
	Qty b/f CMB No.267/EE-III/SWM/MC/2020-21 vide page no.03 (8th R.A Bill Qty)	45.130			
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.06 (9th R.A Bill Qty)	363.021			
	Qty b/f CMB No.285/EE-III/SWM/MC/2021-22 vide page no.04 (10th R.A Bill Qty)	45.949			
	Qty b/f CMB No.287/EE-III/SWM/MC/2021-22 vide page no.03 (11th R.A Bill Qty)	131.561			
	Qty b/f CMB No.302/EE-III/SWM/MC/2021-22 vide page no.04 (12th R.A Bill Qty)	111.481			
	Qty b/f CMB No.304/EE-III/SWM/MC/2021-22 vide page no.04 (13th R.A Bill Qty)	113.978			
	Total	**1290.695**	**Cum**	**Rs. 11,400.00**	**Rs. 14,713,923.00**

	Providing M-25 grade concrete. (Note : Cement content considered as per Design Mix M25 - 343 kg/cbm approved.				
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.05 (3rd R.A Bill Qty)	2003.625			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.03 (4th R.A Bill Qty)	389.337			
	Qty b/f CMB No.267/EE-III/SWM/MC/2020-21 vide page no.04 (8th R.A Bill Qty)	520.130			
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.06 (9th R.A Bill Qty)	334.867			
	Qty b/f CMB No.285/EE-III/SWM/MC/2021-22 vide page no.04 (10th R.A Bill Qty)	194.038			
	Qty b/f CMB No.287/EE-III/SWM/MC/2021-22 vide page no.04 (11th R.A Bill Qty)	1710.293			
	Qty b/f CMB No.302/EE-III/SWM/MC/2021-22 vide page no.04 (12th R.A Bill Qty)	1210.950			
	Qty b/f CMB No.304/EE-III/SWM/MC/2021-22 vide page no.04 (13th R.A Bill Qty)	1481.714			
	Total	**7844.954**	**Kg**	**Rs. 10.00**	**Rs. 78,449.54**
1.08	Extra for providing richer mixes at all floor levels. Note:- Excess/less cement over the specified cement content used is payable / recoverable separately. Providing M-40 grade concrete instead of M-25 grade BMC/RMC. (Note : Cement content considered in M-40 is @ 360 kg/cum)				
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.05 (3rd R.A Bill Qty)	414.336			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.03 (4th R.A Bill Qty)	81.453			
	Qty b/f CMB No.235/EE-III/SWM/MC/2020-21 vide page no.03 (5th R.A Bill Qty)	111.201			
	Qty b/f CMB No.241/EE-III/SWM/MC/2020-21 vide page no.04 (6th R.A Bill Qty)	110.218			
	Qty b/f CMB No.243/EE-III/SWM/MC/2020-21 vide page no.04 (7th R.A Bill Qty)	118.722			
	Qty b/f CMB No.267/EE-III/SWM/MC/2020-21 vide page no.04 (8th R.A Bill Qty)	75.381			
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.07 (9th R.A Bill Qty)	659.783			
	Qty b/f CMB No.285/EE-III/SWM/MC/2021-22 vide page no.04 (10th R.A Bill Qty)	31.023			
	Qty b/f CMB No.302/EE-III/SWM/MC/2021-22 vide page no.04 (12th R.A Bill Qty)	30.102			
	Total	**1632.219**	**Cum**	**Rs. 320.00**	**Rs. 522,310.08**
	Extra for providing richer mixes M-40 grade concrete. (Note : Cement content considered as per Design Mix M40 - 442 kg/cbm approved.				
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.05 (3rd R.A Bill Qty)	33975.552			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.03 (4th R.A Bill Qty)	6679.146			
	Qty b/f CMB No.235/EE-III/SWM/MC/2020-21 vide page no.03 (5th R.A Bill Qty)	9118.482			
	Qty b/f CMB No.241/EE-III/SWM/MC/2020-21 vide page no.05 (6th R.A Bill Qty)	9037.958			
	Qty b/f CMB No.243/EE-III/SWM/MC/2020-21 vide page no.04 (7th R.A Bill Qty)	9735.204			

	Qty b/f CMB No.267/EE-III/SWM/MC/2020-21 vide page no.04 (8th R.A Bill Qty)	6181.242			
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.08 (9th R.A Bill Qty)	54102.206			
	Qty b/f CMB No.285/EE-III/SWM/MC/2021-22 vide page no.05 (10th R.A Bill Qty)	2543.886			
	Qty b/f CMB No.302/EE-III/SWM/MC/2021-22 vide page no.05 (12th R.A Bill Qty)	2468.364			
	Total	**133842.040**	**Kg**	**Rs. 10.00**	**Rs. 1,338,420.40**
1.09	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level. A) Thermo-Mechanically Treated bars of grade Fe-500D or more.				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.02 (2nd R.A Bill Qty)	1051.813			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.05 (3rd R.A Bill Qty)	31310.281			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.04 (4th R.A Bill Qty)	6545.698			
	Qty b/f CMB No.235/EE-III/SWM/MC/2020-21 vide page no.04 (5th R.A Bill Qty)	8585.653			
	Qty b/f CMB No.241/EE-III/SWM/MC/2020-21 vide page no.06 (6th R.A Bill Qty)	8064.591			
	Qty b/f CMB No.243/EE-III/SWM/MC/2020-21 vide page no.04 (7th R.A Bill Qty)	7367.385			
	Qty b/f CMB No.267/EE-III/SWM/MC/2020-21 vide page no.05 (8th R.A Bill Qty)	4384.528			
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.10 (9th R.A Bill Qty)	43637.869			
	Qty b/f CMB No.285/EE-III/SWM/MC/2021-22 vide page no.05 (10th R.A Bill Qty)	6681.193			
	Qty b/f CMB No.287/EE-III/SWM/MC/2021-22 vide page no.05 (11th R.A Bill Qty)	8085.169			
	Qty b/f CMB No.302/EE-III/SWM/MC/2021-22 vide page no.06 (12th R.A Bill Qty)	9523.962			
	Qty b/f CMB No.304/EE-III/SWM/MC/2021-22 vide page no.06 (13th R.A Bill Qty)	6097.007			
		141335.149	**Kg**	**Rs. 91.00**	**Rs. 12,861,498.56**
1.1	12 mm plaster 1:4				
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.10 (9th R.A Bill Qty)	1672.905			
		1672.905	**Sqm**	**Rs. 370.00**	**Rs. 618,974.85**
1.11	Centering and shuttering including strutting, propping etc. and removal of form work for : Foundations, footings, bases for columns				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.02 (2nd R.A Bill Qty)	50.400			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.07 (3rd R.A Bill Qty)	267.000			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.04 (4th R.A Bill Qty)	23.630			
	Qty b/f CMB No.235/EE-III/SWM/MC/2020-21 vide page no.04 (5th R.A Bill Qty)	26.800			
	Qty b/f CMB No.241/EE-III/SWM/MC/2020-21 vide page no.06 (6th R.A Bill Qty)	11.320			
	Qty b/f CMB No.243/EE-III/SWM/MC/2020-21 vide page no.05 (7th R.A Bill Qty)	40.200			
	Qty b/f CMB No.267/EE-III/SWM/MC/2020-21 vide page no.05 (8th R.A Bill Qty)	30.480			
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.11 (9th R.A Bill Qty)	149.200			
	Total	**599.030**	**Sqm**	**Rs. 340.00**	**Rs. 203,670.20**

1.12	Centering and shuttering including strutting, propping etc. and removal of form work for : Retaining walls, return walls, walls (any thickness) including attached pilasters, butteresses, plinth and string courses fillets, kerbs and steps etc.				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.02 (2nd R.A Bill Qty)	142.478			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.08 (3rd R.A Bill Qty)	1784.236			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.04 (4th R.A Bill Qty)	542.815			
	Qty b/f CMB No.235/EE-III/SWM/MC/2020-21 vide page no.05 (5th R.A Bill Qty)	234.276			
	Qty b/f CMB No.241/EE-III/SWM/MC/2020-21 vide page no.07 (6th R.A Bill Qty)	383.468			
	Qty b/f CMB No.243/EE-III/SWM/MC/2020-21 vide page no.05 (7th R.A Bill Qty)	197.338			
	Qty b/f CMB No.267/EE-III/SWM/MC/2020-21 vide page no.06 (8th R.A Bill Qty)	604.812			
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.13 (9th R.A Bill Qty)	1768.461			
	Qty b/f CMB No.285/EE-III/SWM/MC/2021-22 vide page no.07 (10th R.A Bill Qty)	200.384			
	Qty b/f CMB No.287/EE-III/SWM/MC/2021-22 vide page no.06 (11th R.A Bill Qty)	41.326			
	Qty b/f CMB No.302/EE-III/SWM/MC/2021-22 vide page no.07 (12th R.A Bill Qty)	224.470			
	Qty b/f CMB No.304/EE-III/SWM/MC/2021-22 vide page no.07 (13th R.A Bill Qty)	440.680			
	Total	**6564.744**	**Sqm**	**Rs. 570.00**	**Rs. 3,741,904.08**
1.13	Centering and shuttering including strutting, propping etc. and removal of form for all heights : Extra for shuttering in circular work (20% of respective centering and shutttering items)				
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.05 (4th R.A Bill Qty)	50.597			
	Qty b/f CMB No.235/EE-III/SWM/MC/2020-21 vide page no.05 (5th R.A Bill Qty)	37.948			
	Qty b/f CMB No.241/EE-III/SWM/MC/2020-21 vide page no.07 (6th R.A Bill Qty)	59.749			
	Qty b/f CMB No.243/EE-III/SWM/MC/2020-21 vide page no.05 (7th R.A Bill Qty)	12.649			
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.13 (9th R.A Bill Qty)	138.574			
	Qty b/f CMB No.285/EE-III/SWM/MC/2021-22 vide page no.07 (10th R.A Bill Qty)	37.948			
	Qty b/f CMB No.302/EE-III/SWM/MC/2021-22 vide page no.07 (12th R.A Bill Qty)	8.786			
	Total	**346.251**	**Sqm**	**Rs. 150.00**	**Rs. 51,937.65**
1.16	Providing and fixing FRP Pultruded hand rail with PU coating with 50x50x6mm post, top ergonomic hand rail 70x65x4mm mild omega shaped 80x4mm Toe/knee plate 80x3 mm with FRP Foot mount & SS 316 L fasterners Height 600mm AND FRP post at every 1.5 meter as per the direction of the engineer in charge.				
	Qty b/f CMB No.304/EE-III/SWM/MC/2021-22 vide page no.16 (13th R.A Bill Qty)	63.200			
	Qty b/f CMB No.305/EE-III/SWM/MC/2021-22 vide page no.01 (14th R.A Bill Qty)	10.000			
	Qty b/f CMB No.305/EE-III/SWM/MC/2021-22 vide page no.01 (14th R.A Bill Qty)	10.000			
	Qty b/f CMB No.305/EE-III/SWM/MC/2021-22 vide page no.02 (14th R.A Bill Qty)	10.000			

	Qty b/f CMB No.305/EE-III/SWM/MC/2021-22 vide page no.02 (14th R.A Bill Qty)	10.000			
	Qty b/f CMB No.305/EE-III/SWM/MC/2021-22 vide page no.03 (14th R.A Bill Qty)	10.000			
	Qty b/f CMB No.305/EE-III/SWM/MC/2021-22 vide page no.03 (14th R.A Bill Qty)	10.000			
	Qty b/f CMB No.305/EE-III/SWM/MC/2021-22 vide page no.04 (14th R.A Bill Qty)	10.000			
	Qty b/f CMB No.305/EE-III/SWM/MC/2021-22 vide page no.04 (14th R.A Bill Qty)	10.000			
	Qty b/f CMB No.305/EE-III/SWM/MC/2021-22 vide page no.04 (14th R.A Bill Qty)	10.000			
	Total	**153.200**	**meter**	**Rs. 5,600.00**	**Rs. 857,920.00**
1.17	Providing and laying factory made chamfered edge Cement Concrete paver blocks in foot path, park & lawns driveway or light & traffic parking etc. of required strength, thickness & size/shape, made by table vibratory method using PU mould, laid in required colour & pattern over 50 mm thick compacted bed of course sand, compacting and proper embedding/laying of inter locking paver blocks unto the sand bedding layer through vibratory compaction by using plate vibrator, filling the joints with sand and cutting of paver blocks as per required size and pattern, finishing and sweeping extra sand, all complete as per manufacturer's specifications & direction of Engineer-in-Charge. 80mm thick Cement concrete paver block of M-35 grade with approved colour, design & pattern.				
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.14 (9th R.A Bill Qty)	1898.814			
	Qty b/f CMB No.285/EE-III/SWM/MC/2020-21 vide page no.07 (10th R.A Bill Qty)	428.519			
	Qty b/f CMB No.305/EE-III/SWM/MC/2021-22 vide page no.05 (14th R.A Bill Qty)	57.669			
	Qty b/f CMB No.305/EE-III/SWM/MC/2021-22 vide page no.05 (14th R.A Bill Qty)	751.621			
	Qty b/f CMB No.305/EE-III/SWM/MC/2021-22 vide page no.06 (14th R.A Bill Qty)	47.040			
	Total	**3183.663**	**Sqm**	**Rs. 2,300.00**	**Rs. 7,322,424.90**
1.19	Demolishing R.C.C. work manually/ by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge.				
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.14 (9th R.A Bill Qty)	28.211			
	Total	**28.211**	**Cum**	**Rs. 1,100.00**	**Rs. 31,032.10**
1.2	Demolishing cement concrete manually/ by mechanical means and disposal of material within 50 metres lead as per direction of Engineerin-charge. cum Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix)				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.03 (2nd R.A Bill Qty)	2.963			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.08 (3rd R.A Bill Qty)	65.457			
	Qty b/f CMB No.267/EE-III/SWM/MC/2020-21 vide page no.07 (8th R.A Bill Qty)	21.475			
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.14 (9th R.A Bill Qty)	43.554			
	Qty b/f CMB No.304/EE-III/SWM/MC/2021-22 vide page no.09 (13th R.A Bill Qty)	2.892			
	Total	**136.341**	**Cum**	**Rs. 1,100.00**	**Rs. 149,975.10**

2	**ELECTRICAL WORKS**				
2.01	Supply of 8 Mtr. height decorative Chatsworth pole having cast iron decorative base and pipe dia of 165mm dia & 1 mtr long with cast iron reducer joining with 101mm OD straight pipe. Pole shall be mounted on square base plate. Decorative Cascade bracket with 940mm height mounted on pole. Pole and two brackets at differential height shall be galvanized and painted with PU paint in closed paint chamber with heating treatment in chamber, Make: Surya				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.03 (2nd R.A Bill Qty)	50.000			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.08 (3rd R.A Bill Qty)	15.000			
	Total	**65.000**	**Nos**	**Rs. 64,000.00**	**Rs. 4,160,000.00**
2.02	Supply of Decorative Luminaires for Urban lighting, body made of painted spun aluminum, The protector is made of polycarbonate grade UVresistant (IK 08), Permanently sealed optical compartment with IP66 protection. Luminaire offers tool free access to gear compartment with IP44 protection. Luminaire can be installed as a suspended luminaire. The luminaire is equipped with the LensoFlex2® technology photometric system. PMMA lenses with wide photometry for increased pole spacing. Fixture is having a surge protection of 10KA. Electronic driver is having power factor>0.90*, THD<20*% and input voltage range from 120-227V AC at 50Hz. Luminaire efficacy is 100 im/ watt system lumen greater than 7500 lumens in CCT range of 4000 as per ANSI. System life of 50000 burning hours with 70% of initial lumens maintained. Luminaire is suitable for operating temperature (Ta) from -20 to 50c. Driver can withstand 320V AC for 48 hours and 360V AC for 2 hours. Make: Surya SLE PT 75W VEGA				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.03 (2nd R.A Bill Qty)	50.000			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.09 (3rd R.A Bill Qty)	15.000			
	Total	**65.000**	**Nos**	**Rs. 40,000.00**	**Rs. 2,600,000.00**
2.03	Supply of Decorative Luminaires for Urban lighting, body made of painted spun aluminum, The protector is made of polycarbonate grade UVresistant (IK 08), Permanently sealed optical compartment with IP66 protection. Luminaire offers tool free access to gear compartment with IP44 protection. Luminaire can be installed as a suspended luminaire. The luminaire is equipped with the LensoFlex2® technology photometric system. PMMA lenses with wide photometry for increased pole spacing. Fixture is having a surge protection of 10KA. Electronic driver is having power factor>0.90*, THD<20*% and input voltage range from 120-227V AC at 50Hz. Luminaire efficacy is 100 im/ watt system lumen greater than 7500 lumens in CCT range of 4000 as per ANSI. System life of 50000 burning hours with 70% of initial lumens maintained. Luminaire is suitable for operating temperature (Ta) from -20 to 50c. Driver can withstand 320V AC for 48 hours and 360V AC for 2 hours. Make: Surya SLE PT 40W VEGA				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.04 (2nd R.A Bill Qty)	50.000			

	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.09 (3rd R.A Bill Qty)	15.000			
	Total	**65.000**	**Nos**	**Rs. 33,500.00**	**Rs. 2,177,500.00**
2.04	Providing of XLPE (IS:7098) (I)-88 ISI armoured cable multistrand Aluminium conductor for 1.1 KV. to be laid on wall with necessary clamps or in existing trench/ pipe of 4 core 16 Sq.mm cable.				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.04 (2nd R.A Bill Qty)	1500.000	1950.00 x 275/-	536250.00	
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.09 (3rd R.A Bill Qty)	1500.000	1050.00 206.25	216562.50	
	Total	**3000.000**	**Mtr**	**Rs. 275.00**	**Rs. 825,000.00**
2.05	Supply of 50mm DWC pipes of approved make for covering of cable.				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.04 (2nd R.A Bill Qty)	1200.000	1560.00 x 230.00	358800.00	
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.10 (3rd R.A Bill Qty)	1200.000	840.00 x 172.50	144900.00	
	Total	**2400.000**	**Mtr**	**Rs. 230.00**	**Rs. 552,000.00**
2.06	Supply of Flexible PVC insulated multistrand multicore 1.1 kv grade ISI marked copper wires of following size to be erected as directed 1.50 Sq.mm 3 core round PVC sheathed.				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.04 (2nd R.A Bill Qty)	700.000	910.00 x 255/-	232050.00	
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.10 (3rd R.A Bill Qty)	700.000	490.00 x 191.25	93712.50	
	Total	**1400.000**	**Mtr**	**Rs. 255.00**	**Rs. 357,000.00**
3	**SUB HEAD : Installation, Testing and Commissioning of Streetlight System**				
3.01	Installation of 8 mtr Decorative Pole including excavation and constructing M-20/1:2:4 cement concrete foundation of size 45 x 45 x 120 cms. Deep as directed by Engineer-in-charge.				
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.17 (9th R.A Bill Qty)	15.000			
	Qty b/f CMB No.285/EE-III/SWM/MC/2021-22 vide page no.10 (10th R.A Bill Qty)	1.000			
	Total	**16.000**	**Nos**	**Rs. 5,550.00**	**Rs. 88,800.00**
3.02	Installation, Testing and Commissioning of 75/40 watt Decorative LED Luminaries.				
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.17 (9th R.A Bill Qty)	30.000			
	Total	**30.000**	**Nos**	**Rs. 700.00**	**Rs. 21,000.00**
3.03	Excavation and laying of DWC pipe at a 90 mm below the ground level/level below PCC in Jogging trek. Item includes refilling of the same trench.				
	Qty b/f CMB No.285/EE-III/SWM/MC/2021-22 vide page no.10 (10th R.A Bill Qty)	540.500			
	Qty b/f CMB No.302/EE-III/SWM/MC/2021-22 vide page no.10 (12th R.A Bill Qty)	80.650			
	Total	**621.150**	**Mtr**	**Rs. 325.00**	**Rs. 201,873.75**

3.04	Laying of 4x16 Sqmm Aluminium armoured cable in existing laid DWC pipe/on wall.				
	Qty b/f CMB No.285/EE-III/SWM/MC/2021-22 vide page no.10 (10th R.A Bill Qty)	500.460			
	Total	**500.460**	**Mtr**	**Rs. 60.00**	**Rs. 30,027.60**
3.05	Erecting of 3 core 1.5 sqmm copper flexible cable in pole from junction box to Luminaries				
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.17 (9th R.A Bill Qty)	300.000			
	Total	**300.000**	**Nos**	**Rs. 42.00**	**Rs. 12,600.00**
	EXTRA ITEM				
1.00	To provide structural design analysis with strucutal reinforcement details for construction of siutable wall section for the proposed construction of sea wall in front of Girls School along with the sea coast to a height of 3.00 mtrs suggesting appropriate section, designing of section and supply of detailed working drawings in CAD format 04 sets of CD and also vetted by any reconginised engineering college by Govt of India complete.				
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.17 (9th R.A Bill Qty)	1.000			
	Total	**1.000**	**Nos**	**Rs. 69,620.00**	**Rs. 69,620.00**
2.00	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including getting out and disposal of excavated earth lead upto 50 m and lift upto 1.5 m, as directed by Engineer-in-charge. All kinds of soil.				
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.17 (9th R.A Bill Qty)	4739.630			
	Total	**4739.630**	**Cum**	**Rs. 242.00**	**Rs. 1,146,990.46**
3.00	Carriage of Materials by mechanical transport including loading, unloading and stacking of earth for a lead of 05 kms.				
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.17 (9th R.A Bill Qty)	4739.630			
	Total	**4739.630**	**Cum**	**Rs. 228.23**	**Rs. 1,081,725.75**
4.00	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m.				
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.17 (9th R.A Bill Qty)	4667.865			
	Total	**4667.865**	**Cum**	**Rs. 197.00**	**Rs. 919,569.41**
				Total Workdone Amount	**Rs. 72,600,893.74**
	Secured Advance against the materials brought at site				72390868-52 72390869
1.09	**Material Laying at site - Steel** TMT bars of size 8mm, 10mm, 12mm, 16mm and 20mm restricted to 90% of element cost	**216020.00**	**Kg**	**Rs. 49.50**	**Rs. 10,692,990.00** 8293059.00 8308889
				Total Gross Value	**Rs. 83,293,883.74**
				Paid in 2nd RA Bill	**Rs. 19,024,930.00**
				Paid in 3rd RA Bill	**Rs. 14,369,518.00**

			Paid in 4th RA Bill	Rs. 2,420,254.00
			Paid in 5th RA Bill	Rs. 2,426,737.00
			Paid in 6th RA Bill	Rs. 2,379,507.00
			Paid in 7th RA Bill	Rs. 2,434,807.00
			Paid in 8th RA Bill	Rs. 2,481,634.00
			Paid in 9th RA Bill	Rs. 25,054,173.00
			Paid in 10th RA Bill	Rs. 2,485,858.00
			Paid in 11th RA Bill	Rs. 2,478,212.00
			Paid in 12th RA Bill	Rs. 2,491,524.00
		805103000·W	Paid in 13th RA Bill	Rs. 2,463,148.00
		2573559/-	Gross Value of 14th RA Bill	Rs. 2,783,580.74
			SAY	Rs. 2,783,581.00

	RECOVERY DETAILS				2473559/= 2573559/-
				Gross Value (A)	Rs. 2,783,581.00
(i)	Schedule B Aggregates (-)	2845961.00			
	a) Already recovered in 3rd RA Bill	1225808.00			
	b) Already recovered in 4th RA Bill	224120.00			
	c) Already recovered in 5th RA Bill	216190.00			
	d) Already recovered in 6th RA Bill	201532.00			
	e) Already recovered in 7th RA Bill	239032.00			
	f) Already recovered in 8th RA Bill	241859.00			
	g) Already recovered in 9th RA Bill	497420.00			
	h) Already recovered in 10th RA Bill	0.00			
	i) Already recovered in 11th RA Bill	0.00			
	j) Already recovered in 12th RA Bill	0.00			
	k) Already recovered in 13th RA Bill	0.00			
	l) To be recovered in this bill	Rs. 0.00			Rs. 0.00
(ii)	Material Laying at site - Steel	6996090.00			
	a) Already recovered in 3rd RA Bill	1601924.00			
	b) Already recovered in 4th RA Bill	324012.00			
	c) Already recovered in 5th RA Bill	424990.00			
	d) Already recovered in 6th RA Bill	399197.00			
	e) Already recovered in 7th RA Bill	364686.00			
	f) Already recovered in 8th RA Bill	217034.00			
	g) Already recovered in 9th RA Bill	2160074.00			
	h) Already recovered in 10th RA Bill	330719.00			
	i) Already recovered in 11th RA Bill	400216.00			
	j) Already recovered in 12th RA Bill	471436.00			
	k) Already recovered in 13th RA Bill	301802.00			
	l) To be recovered in this bill	Rs. 0.00			Rs. 0.00

(iii)	Security deposit @ 2.5% on Total Gross Value	2082347.09	2078096/-	2074597/-		
	a) Already recovered in 2nd RA Bill	475623.00				
	b) Already recovered in 3rd RA Bill	359238.00				
	c) Already recovered in 4th RA Bill	60506.55				
	d) Already recovered in 5th RA Bill	60668.39				
	e) Already recovered in 6th RA Bill	59487.70				
	f) Already recovered in 7th RA Bill	60870.19				
	g) Already recovered in 8th RA Bill	62041.00	2012758.00			
	h) Already recovered in 9th RA Bill	626354.00				
	i) Already recovered in 10th RA Bill	62146.00				
	j) Already recovered in 11th RA Bill	61955.00				
	k) Already recovered in 12th RA Bill	62288.00				61839.00
	l) Already recovered in 13th RA Bill	61579.00				64332/-
	m) To be recovered in this bill	Rs. 69,590.00				Rs. 69,590.00
(iv)	IT @ 2% on Total Gross Value	1665877.67	1661677/-	1659678/-		
	a) Already recovered in 1st RA Bill	99751.00				
	b) Already recovered in 2nd RA Bill	380499.00				
	c) Already recovered in 3rd RA Bill	287390.00				
	d) Already recovered in 4th RA Bill	48405.08				
	e) Already recovered in 5th RA Bill	-51216.33				
	f) Already recovered in 6th RA Bill	47590.16				
	g) Already recovered in 7th RA Bill	48696.15				
	h) Already recovered in 8th RA Bill	49633.00	1610207/-			
	i) Already recovered in 9th RA Bill	501083.00				
	j) Already recovered in 10th RA Bill	49717.00				
	k) Already recovered in 11th RA Bill	49564.00				
	l) Already recovered in 12th RA Bill	49830.00				49471/-
	m) Already recovered in 13th RA Bill	49263.00				51471/-
	n) To be recovered in this bill	Rs. 55,673.00				Rs. 55,673.00
(v)	Labour Welfare Cess @ 1% on Total Gross Value	832938.84	830839/-	829840/-		
	a) Already recovered in 2nd RA Bill	190249.00				
	b) Already recovered in 3rd RA Bill	143695.00				
	c) Already recovered in 4th RA Bill	24203.02				
	d) Already recovered in 5th RA Bill	24267.35				
	e) Already recovered in 6th RA Bill	23795.09				
	f) Already recovered in 7th RA Bill	24348.07				
	g) Already recovered in 8th RA Bill	24816.00				
	h) Already recovered in 9th RA Bill	250542.00				
	i) Already recovered in 10th RA Bill	24859.00	805104/-			
	j) Already recovered in 11th RA Bill	24782.00				
	k) Already recovered in 12th RA Bill	24915.00				24736/-
	l) Already recovered in 13th RA Bill	24631.00				25736/-
	m) To be recovered in this bill	Rs. 27,836.00				Rs. 27,836.00

(vi)	UGST @ 1% on Total Gross Value	832938.84	830839/-	829839/-	
	a) Already recovered in 1st RA Bill	49875.50			
	b) Already recovered in 2nd RA Bill	190249.50			
	c) Already recovered in 3rd RA Bill	143695.00			
	d) Already recovered in 4th RA Bill	24202.52			
	e) Already recovered in 5th RA Bill	-25608.15			
	f) Already recovered in 6th RA Bill	23795.09			
	g) Already recovered in 7th RA Bill	24348.07	805103.50		
	h) Already recovered in 8th RA Bill	24816.00			
	i) Already recovered in 9th RA Bill	250542.00			
	j) Already recovered in 10th RA Bill	24859.00			
	k) Already recovered in 11th RA Bill	24782.00			
	l) Already recovered in 12th RA Bill	24915.00			
	m) Already recovered in 13th RA Bill	24631.00			24735.50
	n) To be recovered in this bill	Rs. 27,836.00			25736/- Rs. 27,836.00
(vii)	CGST @ 1% on Total Gross Value	832938.84	830839/-	829839/-	
	a) Already recovered in 1st RA Bill	49875.50			
	b) Already recovered in 2nd RA Bill	190249.50			
	c) Already recovered in 3rd RA Bill	143695.00			
	d) Already recovered in 4th RA Bill	24202.52			
	e) Already recovered in 5th RA Bill	-25608.15			
	f) Already recovered in 6th RA Bill	23795.09			
	g) Already recovered in 7th RA Bill	24348.07			
	h) Already recovered in 8th RA Bill	24816.00	805103.50		
	i) Already recovered in 9th RA Bill	250542.00			
	j) Already recovered in 10th RA Bill	24859.00			
	k) Already recovered in 11th RA Bill	24782.00			
	l) Already recovered in 12th RA Bill	24915.00			
	m) Already recovered in 13th RA Bill	24631.00			24735.50
	n) To be recovered in this bill	Rs. 27,836.00			25736/- Rs. 27,836.00
					185517/- 93018
				Total Recovery (B)	Rs. 208,771.00
				Net Amount Payable in this Bill (A-B)	2288042.50 Rs. 2,574,810.00
				Says	Rs. 2,574,810.00
					Two eighty eight and forty two 2380541/-

Net Amount in words:- (Rupees Twenty-Five-Lakhs Seventy-Four Thousand Eight-Hundred-Ten Only)

Certified that:-

1. The work has been executed as per terms and conditions of the agreement.
2. No material and T & P has been issued from the Department.
3. Own arrangements for water has been made.
4. No Labour Complaints has been received.
5. Requisite technical staff has been employed as per agreement.
6. Up to date recoveries have been effected in this bill.
7. All Mandatory Test have been conducted.

Signature of the Contractor

Signature of the AE

Signature of the EE (Works)

Ref. Page NO: 01 to 15 of TMB.

Authority :- 01 (PBSPL) of 2020-2021

N.O.W :- Marine esplanade : marina road restructing with Uniform carriage way, walking track, Street lighting Street furniture, service core trenching and land scaping.

Agency :- M/s surendra Infrastructure (P) Ltd.

Total Gross value of work done	→	8,29,83,859/-
Already paid upto 13th RA Bill	→	8,05,10,300/-
Gross value of 14th RA Bill	→	24,73,559/-

Ded

(i) S/deposit @ 2.5% on GTV	→	20745597/-
Already deducted upto 13th RA Bill	→	20127758/-
now to be deducted	→	61839/-
(ii) I/Tax @ 2% on GTV	→	1659678/-
Already deducted upto 13th RA Bill	→	1610207/-
now to be deducted	→	49471/-
(iii) Labour cess @ 1% on GTV	→	829840/-
Already deducted upto 13th RA Bill	→	805104/-
now to be deducted	→	24736/-
(iv) TDS on GST @ 2% on GTV	→	1659678/-
Already deducted upto 13th RA Bill	→	1610207/-
now to be deducted	→	49471/-
Total Deduction	→	1,85,517/-
Net payable Amount	→	22,88,042/-

Cont-II

Secured Advance against the materials brought at site

Name of Work:- Marine esplanade: Marina road restructuring with uniform carriage way, walking track, street lighting, street furniture, service core trenching and land scaping.

Agreement No :- 01 (PBSPL) of 2020-21

Agency :- M/s. Surendra Infrastructure (P) Ltd.

Serial no of this bill :- 14th RA Bill

S.No	Sch Item No.	Description of Items	Quantity	Unit	Rate Allowed	Amount
1	1.09	Steel TMT Bars	141335.149	Kgs	49.50	6996089.876
					Total Amount	**6996089.88**
					Says	**6996090.00**

Junior Engineer-III (Works)
PBMC

Passed for ₹= 2473559/= (Rupees Twenty four lakhs seventy three thousand five hundred fifty nine only)

Executive Engineer-III (Works)
Municipal Council
Port Blair

payment released for ₹= 2288042/-

लेखा अधिकारी
ACCOUNTS OFFICER -III
नगरपालिका परिषद
Municipal Council
पोर्ट ब्लेयर / Port Blair

THEORETICAL STATEMENT

Name of Work:- Marine esplanade: Marina road restructuring with uniform carriage way, walking track, street lighting, street furniture, service core trenching and land scaping.

Agreement No :- 01 (PBSPL) of 2020-21

Agency :- M/s. Surendra Infrastructure (P) Ltd.

Serial no of this bill :- 14th RA Bill

S.No	Sch Item No.	Description of Items	Quantity	Unit	Coefficient	Quantity
1	1.04	**PCC 1:4:8**	15.969	Cum		
		Cement		Bags	3.410	54.454
		Pulverised Sand		Cum	0.470	7.505
		Stone aggregates 40mm		Cum	0.950	15.171
2	1.07	**M-25 (above Plinth)**	131.561	Cum		
		Cement		Bags	6.860	902.508
		Pulverised Sand		Cum	0.486	63.972
		Stone aggregates 20mm		Cum	0.285	37.495
		Stone aggregates 12.5mm		Cum	0.426	56.104

Junior Engineer-III (Works)

PBMC

Division:- Executive Engineer-III (SWM/MC), Port Blair Municipal Council, Port Blair

(15th R.A BILL)

COMPUTERIZED MEASUREMENT BOOK

(DETAILS OF ABSTRACT)

CMB No:- 308/EE-III/SWM/MC/2021-22

Name of Work: - Marine esplanade: Marina road restructuring with uniform carriage way, walking track, street lighting, street furniture, service core trenching and land scaping.

Name of Contractor: - M/s. Surendra Infrastructure (P) Ltd.

Agreement No.: - 01 (PBSPL) of 2020-2021

Certified that this Computerized measurement book bearing no.308/EE-III/SWM/MC/2021-22 contains 16 leaves serially numbered from pages 01 to 16 and two blank pages without any damage.

Signature of
Contractor

Signature of
Assistant Engineer

Signature of
Executive Engineer

ABSTRACT OF COST
(15th R.A Bill)

Name of Work:- Marine esplanade: Marina road restructuring with uniform carriage way, walking track, street lighting, street furniture, service core trenching and land scaping.

Agreement No. :- 01 (PBSPL) of 2020-2021

Name of Agency :- M/s. Surendra Infrastructure (P) Ltd.

Date of Commencement:- 07.12.2020

Date of Completion:- In Progress

Reference to previous measurement, if any :- NIL

Serial no. of this bill :- 15th RA Bill

CMB no. of this bill :- 308/EE-III/SWM/MC/2021-22

Date of Abstract:-

Item No.	Particulars	Quantity	Unit	Rate	Amount
1	**CIVIL WORKS**				
1.01	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m. a) All kinds of soil.				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.01 (2nd R.A Bill Qty)	17.617			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.01 (3rd R.A Bill Qty)	139.362			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.01 (4th R.A Bill Qty)	54.283			
	Qty b/f CMB No.267/EE-III/SWM/MC/2020-21 vide page no.01 (8th R.A Bill Qty)	69.113			
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.01 (9th R.A Bill Qty)	2902.781			
	Total	**3183.156**	**Cum**	**Rs. 225.00**	**Rs. 716,210.10**
1.02	Excavation work by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m. Hard rock (blasting prohibited)				
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.01 (9th R.A Bill Qty)	242.226			
	Total	**242.226**	**Cum**	**Rs. 500.00**	**Rs. 121,113.00**
1.03	Filling with available pulverised sand				
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.01 (9th R.A Bill Qty)	144.052			
	Qty b/f CMB No.287/EE-III/SWM/MC/2021-22 vide page no.01 (11th R.A Bill Qty)	15.969			
	Total	**160.021**	**Cum**	**Rs. 3,400.00**	**Rs. 544,071.40**

1.04	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:4:8 (1 Cement : 4 coarse sand (Zone III) : 8 graded stone aggregate 40 mm nominal size)				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.01 (2nd R.A Bill Qty)	11.242			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.02 (3rd R.A Bill Qty)	85.005			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.01 (4th R.A Bill Qty)	11.369			
	Qty b/f CMB No.235/EE-III/SWM/MC/2020-21 vide page no.01 (5th R.A Bill Qty)	8.928			
	Qty b/f CMB No.241/EE-III/SWM/MC/2020-21 vide page no.01 (6th R.A Bill Qty)	2.864			
	Qty b/f CMB No.243/EE-III/SWM/MC/2020-21 vide page no.01 (7th R.A Bill Qty)	13.392			
	Qty b/f CMB No.267/EE-III/SWM/MC/2020-21 vide page no.02 (8th R.A Bill Qty)	15.993			
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.02 (9th R.A Bill Qty)	194.516			
	Qty b/f CMB No.287/EE-III/SWM/MC/2021-22 vide page no.02 (11th R.A Bill Qty)	15.969			
	Qty b/f CMB No.307/EE-III/SWM/MC/2021-22 vide page no.06 (15th R.A Bill Qty)	4.464			
	Total	**363.742**	**Cum**	**Rs. 9,250.00**	**Rs. 3,364,613.50**
1.05	Providing and laying in position machine batched and machine mixed design mix M-25 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying but excluding the cost of centering, shuttering, finishing and reinforcement, including admixtures in recommended proportions as per IS: 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer-in-charge."(Note :- Cement content considered in this item is @ 330 kg/cum."Excess/ less cement used as per design mix is payable/recoverable separately). All works upto plinth level				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.01 (2nd R.A Bill Qty)	10.528			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.03 (3rd R.A Bill Qty)	320.952			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.02 (4th R.A Bill Qty)	59.176			
	Qty b/f CMB No.235/EE-III/SWM/MC/2020-21 vide page no.02 (5th R.A Bill Qty)	58.454			
	Qty b/f CMB No.241/EE-III/SWM/MC/2020-21 vide page no.02 (6th R.A Bill Qty)	16.382			
	Qty b/f CMB No.243/EE-III/SWM/MC/2020-21 vide page no.02 (7th R.A Bill Qty)	74.954			
	Qty b/f CMB No.267/EE-III/SWM/MC/2020-21 videpage no.02 (8th R.A Bill Qty)	81.964			
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.04 (9th R.A Bill Qty)	310.818			
	Qty b/f CMB No.302/EE-III/SWM/MC/2021-22 vide page no.02 (12th R.A Bill Qty)	11.773			
	Qty b/f CMB No.307/EE-III/SWM/MC/2021-22 vide page no.06 (15th R.A Bill Qty)	16.500			
	Qty b/f CMB No.307/EE-III/SWM/MC/2021-22 vide page no.07 (15th R.A Bill Qty)	12.727			
	Total	**974.228**	**Cum**	**Rs. 11,000.00**	**Rs. 10,716,508.00**

1.04	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:4:8 (1 Cement : 4 coarse sand (Zone III) : 8 graded stone aggregate 40 mm nominal size)				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.01 (2nd R.A Bill Qty)	11.242			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.02 (3rd R.A Bill Qty)	85.005			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.01 (4th R.A Bill Qty)	11.369			
	Qty b/f CMB No.235/EE-III/SWM/MC/2020-21 vide page no.01 (5th R.A Bill Qty)	8.928			
	Qty b/f CMB No.241/EE-III/SWM/MC/2020-21 vide page no.01 (6th R.A Bill Qty)	2.864			
	Qty b/f CMB No.243/EE-III/SWM/MC/2020-21 vide page no.01 (7th R.A Bill Qty)	13.392			
	Qty b/f CMB No.267/EE-III/SWM/MC/2020-21 vide page no.02 (8th R.A Bill Qty)	15.993			
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.02 (9th R.A Bill Qty)	194.516			
	Qty b/f CMB No.287/EE-III/SWM/MC/2021-22 vide page no.02 (11th R.A Bill Qty)	15.969			
	Qty b/f CMB No.307/EE-III/SWM/MC/2021-22 vide page no.06 (15th R.A Bill Qty)	4.464			
	Total	**363.742**	**Cum**	**Rs. 9,250.00**	**Rs. 3,364,613.50**
1.05	Providing and laying in position machine batched and machine mixed design mix M-25 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying but excluding the cost of centering, shuttering, finishing and reinforcement, including admixtures in recommended proportions as per IS: 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer-in-charge."(Note :- Cement content considered in this item is @ 330 kg/cum."Excess/ less cement used as per design mix is payable/recoverable separately). All works upto plinth level				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.01 (2nd R.A Bill Qty)	10.528			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.03 (3rd R.A Bill Qty)	320.952			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.02 (4th R.A Bill Qty)	59.176			
	Qty b/f CMB No.235/EE-III/SWM/MC/2020-21 vide page no.02 (5th R.A Bill Qty)	58.454			
	Qty b/f CMB No.241/EE-III/SWM/MC/2020-21 vide page no.02 (6th R.A Bill Qty)	16.382			
	Qty b/f CMB No.243/EE-III/SWM/MC/2020-21 vide page no.02 (7th R.A Bill Qty)	74.954			
	Qty b/f CMB No.267/EE-III/SWM/MC/2020-21 videpage no.02 (8th R.A Bill Qty)	81.964			
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.04 (9th R.A Bill Qty)	310.818			
	Qty b/f CMB No.302/EE-III/SWM/MC/2021-22 vide page no.02 (12th R.A Bill Qty)	11.773			
	Qty b/f CMB No.307/EE-III/SWM/MC/2021-22 vide page no.06 (15th R.A Bill Qty)	16.500			
	Qty b/f CMB No.307/EE-III/SWM/MC/2021-22 vide page no.07 (15th R.A Bill Qty)	12.727			
	Total	**974.228**	**Cum**	**Rs. 11,000.00**	**Rs. 10,716,508.00**

1.06	Extra for laying RCC in or under water and/or liquid mud, including cost of pumping or bailing out water and removing slush etc., complete.				
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.03 (3rd R.A Bill Qty)	320.702			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.02 (4th R.A Bill Qty)	80.263			
	Qty b/f CMB No.235/EE-III/SWM/MC/2020-21 vide page no.2 (5th R.A Bill Qty)	89.103			
	Qty b/f CMB No.241/EE-III/SWM/MC/2020-21 vide page no.02 (6th R.A Bill Qty)	24.914			
	Qty b/f CMB No.243/EE-III/SWM/MC/2020-21 vide page no.02 (7th R.A Bill Qty)	110.070			
	Qty b/f CMB No.267/EE-III/SWM/MC/2020-21 vide page no.03 (8th R.A Bill Qty)	68.142			
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.04 (9th R.A Bill Qty)	466.494			
	Qty b/f CMB No.302/EE-III/SWM/MC/2021-22 vide page no.03 (12th R.A Bill Qty)	17.265	202.800 x 650/-	131820.00	
	Qty b/f CMB No.307/EE-III/SWM/MC/2021-22 vide page no.08 (15th R.A Bill Qty)	44.553	1018.706 x 487/50	496619.18	
	Total	**1221.506**	**Cum**	**Rs. 650.00**	**Rs. 793,978.90**
1.07	Providing and laying in position machine batched and machine mixed design mix M-25 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying but excluding the cost of centering, shuttering, finishing and reinforcement, including admixtures in recommended proportions as per IS: 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer-in-charge."(Note :- Cement contentconsidered in this item is @ 330 kg/cum."Excess/ less cement used as per design mix is payable/recoverable separately). All works above plinth level upto floor V level				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.02 (2nd R.A Bill Qty)	14.812			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.04 (3rd R.A Bill Qty)	222.185			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.03 (4th R.A Bill Qty)	52.226			
	Qty b/f CMB No.235/EE-III/SWM/MC/2020-21 vide page no.03 (5th R.A Bill Qty)	52.747			
	Qty b/f CMB No.241/EE-III/SWM/MC/2020-21 vide page no.03 (6th R.A Bill Qty)	93.837			
	Qty b/f CMB No.243/EE-III/SWM/MC/2020-21 vide page no.03 (7th R.A Bill Qty)	43.768			
	Qty b/f CMB No.267/EE-III/SWM/MC/2020-21 vide page no.03 (8th R.A Bill Qty)	45.130			
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.06 (9th R.A Bill Qty)	363.021			
	Qty b/f CMB No.285/EE-III/SWM/MC/2021-22 vide page no.04 (10th R.A Bill Qty)	45.949			
	Qty b/f CMB No.287/EE-III/SWM/MC/2021-22 vide page no.03 (11th R.A Bill Qty)	131.561			
	Qty b/f CMB No.302/EE-III/SWM/MC/2021-22 vide page no.04 (12th R.A Bill Qty)	111.481			
	Qty b/f CMB No.304/EE-III/SWM/MC/2021-22 vide page no.04 (13th R.A Bill Qty)	113.978			
	Qty b/f CMB No.307/EE-III/SWM/MC/2021-22 vide page no.08 (15th R.A Bill Qty)	10.862			
	Qty b/f CMB No.307/EE-III/SWM/MC/2021-22 vide page no.09 (15th R.A Bill Qty)	11.703			
	Total	**1313.260**	**Cum**	**Rs. 11,400.00**	**Rs. 14,971,164.00**

	Providing M-25 grade concrete. (Note : Cement content considered as per Design Mix M25 - 343 kg/cbm approved.				
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.05 (3rd R.A Bill Qty)	2003.625			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.03 (4th R.A Bill Qty)	389.337			
	Qty b/f CMB No.267/EE-III/SWM/MC/2020-21 vide page no.04 (8th R.A Bill Qty)	520.130			
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.06 (9th R.A Bill Qty)	334.867			
	Qty b/f CMB No.285/EE-III/SWM/MC/2021-22 vide page no.04 (10th R.A Bill Qty)	194.038			
	Qty b/f CMB No.287/EE-III/SWM/MC/2021-22 vide page no.04 (11th R.A Bill Qty)	1710.293			
	Qty b/f CMB No.302/EE-III/SWM/MC/2020-21 vide page no.04 (12th R.A Bill Qty)	1210.950			
	Qty b/f CMB No.304/EE-III/SWM/MC/2020-21 vide page no.04 (13th R.A Bill Qty)	1481.714			
	Total	**7844.954**	**Kg**	**Rs. 10.00**	**Rs. 78,449.54**
1.08	Extra for providing richer mixes at all floor levels. Note:- Excess/less cement over the specified cement content used is payable / recoverable separately. Providing M-40 grade concrete instead of M-25 grade BMC/RMC. (Note : Cement content considered in M-40 is @ 360 kg/cum)				
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.05 (3rd R.A Bill Qty)	414.336			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.03 (4th R.A Bill Qty)	81.453			
	Qty b/f CMB No.235/EE-III/SWM/MC/2020-21 vide page no.03 (5th R.A Bill Qty)	111.201			
	Qty b/f CMB No.241/EE-III/SWM/MC/2020-21 vide page no.04 (6th R.A Bill Qty)	110.218			
	Qty b/f CMB No.243/EE-III/SWM/MC/2020-21 vide page no.04 (7th R.A Bill Qty)	118.722			
	Qty b/f CMB No.267/EE-III/SWM/MC/2020-21 vide page no.04 (8th R.A Bill Qty)	75.381			
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.07 (9th R.A Bill Qty)	659.783			
	Qty b/f CMB No.285/EE-III/SWM/MC/2021-22 vide page no.04 (10th R.A Bill Qty)	31.023			
	Qty b/f CMB No.302/EE-III/SWM/MC/2021-22 vide page no.04 (12th R.A Bill Qty)	30.102			
	Qty b/f CMB No.307/EE-III/SWM/MC/2021-22 vide page no.10 (15th R.A Bill Qty)	51.792			
	Total	**1684.011**	**Cum**	**Rs. 320.00**	**Rs. 538,883.52**
	Extra for providing richer mixes M-40 grade concrete. (Note : Cement content considered as per Design Mix M40 - 442 kg/cbm approved.				
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.05 (3rd R.A Bill Qty)	33975.552			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.03 (4th R.A Bill Qty)	6679.146			
	Qty b/f CMB No.235/EE-III/SWM/MC/2020-21 vide page no.03 (5th R.A Bill Qty)	9118.482			
	Qty b/f CMB No.241/EE-III/SWM/MC/2020-21 vide page no.05 (6th R.A Bill Qty)	9037.958			
	Qty b/f CMB No.243/EE-III/SWM/MC/2020-21 vide page no.04 (7th R.A Bill Qty)	9735.204			
	Qty b/f CMB No.267/EE-III/SWM/MC/2020-21 vide page no.04 (8th R.A Bill Qty)	6181.242			

	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.08 (9th R.A Bill Qty)	54102.206			
	Qty b/f CMB No.285/EE-III/SWM/MC/2021-22 vide page no.05 (10th R.A Bill Qty)	2543.886			
	Qty b/f CMB No.302/EE-III/SWM/MC/2020-21 vide page no.05 (12th R.A Bill Qty)	2468.364			
	Extra for providing richer mixes M-40 grade concrete. (Note : Cement content considered as per Design Mix M40 - 442 kg/cbm approved. (Qty - 51.792 Cum) Cement Qty = 51.792 x 442 = 22892.064 Kg = 51.792 x 360 = 18645.120 Kg Difference Qty = 4246.944 Kg	4246.944			
	Total	**138088.984**	**Kg**	**Rs. 10.00**	**Rs. 1,380,889.84**
1.09	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level. A) Thermo-Mechanically Treated bars of grade Fe-500D or more.				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.02 (2nd R.A Bill Qty)	1051.813			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.05 (3rd R.A Bill Qty)	31310.281			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.04 (4th R.A Bill Qty)	6545.698			
	Qty b/f CMB No.235/EE-III/SWM/MC/2020-21 vide page no.04 (5th R.A Bill Qty)	8585.653			
	Qty b/f CMB No.241/EE-III/SWM/MC/2020-21 vide page no.06 (6th R.A Bill Qty)	8064.591			
	Qty b/f CMB No.243/EE-III/SWM/MC/2020-21 vide page no.04 (7th R.A Bill Qty)	7367.385			
	Qty b/f CMB No.267/EE-III/SWM/MC/2020-21 vide page no.05 (8th R.A Bill Qty)	4384.528			
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.10 (9th R.A Bill Qty)	43637.869			
	Qty b/f CMB No.285/EE-III/SWM/MC/2021-22 vide page no.05 (10th R.A Bill Qty)	6681.193			
	Qty b/f CMB No.287/EE-III/SWM/MC/2021-22 vide page no.05 (11th R.A Bill Qty)	8085.169			
	Qty b/f CMB No.302/EE-III/SWM/MC/2021-22 vide page no.06 (12th R.A Bill Qty)	9523.962			
	Qty b/f CMB No.304/EE-III/SWM/MC/2021-22 vide page no.06 (13th R.A Bill Qty)	6097.007			
	Qty b/f CMB No.307/EE-III/SWM/MC/2021-22 vide page no.03 (15th R.A Bill Qty)	1324.999			
	Qty b/f CMB No.307/EE-III/SWM/MC/2021-22 vide page no.04 (15th R.A Bill Qty)	1541.475			
	Qty b/f CMB No.307/EE-III/SWM/MC/2021-22 vide page no.05 (15th R.A Bill Qty)	512.653			
		144714.276	**Kg**	**Rs. 91.00**	**Rs. 13,168,999.12**
1.1	12 mm plaster 1:4				
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.10 (9th R.A Bill Qty)	1672.905			
	Qty b/f CMB No.307/EE-III/SWM/MC/2021-22 vide page no.10 (15th R.A Bill Qty)	55.500			
	Qty b/f CMB No.307/EE-III/SWM/MC/2021-22 vide page no.10 (15th R.A Bill Qty)	61.420			
	Qty b/f CMB No.307/EE-III/SWM/MC/2021-22 vide page no.11 (15th R.A Bill Qty)	74.000			
	Qty b/f CMB No.307/EE-III/SWM/MC/2021-22 vide page no.11 (15th R.A Bill Qty)	74.000			
		1937.825	**Sqm**	**Rs. 370.00**	**Rs. 716,995.25**

1.11	Centering and shuttering including strutting, propping etc. and removal of form work for : Foundations, footings, bases for columns				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.02 (2nd R.A Bill Qty)	50.400			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.07 (3rd R.A Bill Qty)	267.000			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.04 (4th R.A Bill Qty)	23.630			
	Qty b/f CMB No.235/EE-III/SWM/MC/2020-21 vide page no.04 (5th R.A Bill Qty)	26.800			
	Qty b/f CMB No.241/EE-III/SWM/MC/2020-21 vide page no.06 (6th R.A Bill Qty)	11.320			
	Qty b/f CMB No.243/EE-III/SWM/MC/2020-21 vide page no.05 (7th R.A Bill Qty)	40.200			
	Qty b/f CMB No.267/EE-III/SWM/MC/2020-21 vide page no.05 (8th R.A Bill Qty)	30.480			
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.11 (9th R.A Bill Qty)	149.200			
	Qty b/f CMB No.307/EE-III/SWM/MC/2021-22 vide page no.06 (15th R.A Bill Qty)	13.400			
	Totnl	**612.430**	**Sqm**	**Rs. 340.00**	**Rs. 208,226.20**
1.12	Centering and shuttering including strutting, propping etc. and removal of form work for : Retaining walls, return walls, walls (any thickness) including attached pilasters, butteresses, plinth and string courses fillets, kerbs and steps etc.				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.02 (2nd R.A Bill Qty)	142.478			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.08 (3rd R.A Bill Qty)	1784.236			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.04 (4th R.A Bill Qty)	542.815			
	Qty b/f CMB No.235/EE-III/SWM/MC/2020-21 vide page no.05 (5th R.A Bill Qty)	234.276			
	Qty b/f CMB No.241/EE-III/SWM/MC/2020-21 vide page no.07 (6th R.A Bill Qty)	383.468			
	Qty b/f CMB No.243/EE-III/SWM/MC/2020-21 vide page no.05 (7th R.A Bill Qty)	197.338			
	Qty b/f CMB No.267/EE-III/SWM/MC/2020-21 vide page no.06 (8th R.A Bill Qty)	604.812			
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.13 (9th R.A Bill Qty)	1768.461			
	Qty b/f CMB No.285/EE-III/SWM/MC/2021-22 vide page no.07 (10th R.A Bill Qty)	200.384			
	Qty b/f CMB No.287/EE-III/SWM/MC/2021-22 vide page no.06 (11th R.A Bill Qty)	41.326			
	Qty b/f CMB No.302/EE-III/SWM/MC/2021-22 vide page no.07 (12th R.A Bill Qty)	224.470			
	Qty b/f CMB No.304/EE-III/SWM/MC/2021-22 vide page no.07 (13th R.A Bill Qty)	440.680			
	Qty b/f CMB No.307/EE-III/SWM/MC/2021-22 vide page no.07 (15th R.A Bill Qty)	54.261			
	Qty b/f CMB No.307/EE-III/SWM/MC/2021-22 vide page no.09 (15th R.A Bill Qty)	46.898			
	Totnl	**6665.903**	**Sqm**	**Rs. 570.00**	**Rs. 3,799,564.71**

1.13	Centering and shuttering including strutting, propping etc. and removal of form for all heights : Extra for shuttering in circular work (20% of respective centering and shutttering items)				
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.05 (4th R.A Bill Qty)	50.597			
	Qty b/f CMB No.235/EE-III/SWM/MC/2020-21 vide page no.05 (5th R.A Bill Qty)	37.948			
	Qty b/f CMB No.241/EE-III/SWM/MC/2020-21 vide page no.07 (6th R.A Bill Qty)	59.749			
	Qty b/f CMB No.243/EE-III/SWM/MC/2020-21 vide page no.05 (7th R.A Bill Qty)	12.649			
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.13 (9th R.A Bill Qty)	138.574			
	Qty b/f CMB No.285/EE-III/SWM/MC/2021-22 vide page no.07 (10th R.A Bill Qty)	37.948			
	Qty b/f CMB No.302/EE-III/SWM/MC/2021-22 vide page no.07 (12th R.A Bill Qty)	8.786			
	Total	**346.251**	**Sqm**	**Rs. 150.00**	**Rs. 51,937.65**
1.16	Providing and fixing FRP Pultruded hand rail with PU coating with 50x50x6mm post, top ergonomic hand rail 70x65x4mm mild omega shaped 80x4mm Toe/knee plate 80x3 mm with FRP Foot mount & SS 316 L fasterners Height 600mm AND FRP post at every 1.5 meter as per the direction of the engineer in charge.				
	Qty b/f CMB No.304/EE-III/SWM/MC/2020-21 vide page no.16 (13th R.A Bill Qty)	63.200			
	Qty b/f CMB No.306/EE-III/SWM/MC/2021-22 vide page no.07 (14th R.A Bill Qty)	90.000			
	Qty b/f CMB No.307/EE-III/SWM/MC/2021-22 vide page no.01 (15th R.A Bill Qty)	30.000			
	Qty b/f CMB No.307/EE-III/SWM/MC/2021-22 vide page no.01 (15th R.A Bill Qty)	30.000			
	Qty b/f CMB No.307/EE-III/SWM/MC/2021-22 vide page no.02 (15th R.A Bill Qty)	30.000			
	Qty b/f CMB No.307/EE-III/SWM/MC/2021-22 vide page no.02 (15th R.A Bill Qty)	30.000			
	Qty b/f CMB No.307/EE-III/SWM/MC/2021-22 vide page no.02 (15th R.A Bill Qty)	20.000			
	Total	**293.200**	**meter**	**Rs. 5,600.00**	**Rs. 1,641,920.00**
1.17	Providing and laying factory made chamfered edge Cement Concrete paver blocks in foot path, park & lawns driveway or light & traffic parking etc. of required strength, thickness & size/shape, made by table vibratory method using PU mould, laid in required colour & pattern over 50 mm thick compacted bed of course sand, compacting and proper embedding/laying of inter locking paver blocks unto the sand bedding layer through vibratory compaction by using plate vibrator, filling the joints with sand and cutting of paver blocks as per required size and pattern, finishing and sweeping extra sand, all complete as per manufacturer's specifications & direction of Engineer-in-Charge. 80mm thick Cement concrete paver block of M-35 grade with approved colour, design & pattern.				
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.14 (9th R.A Bill Qty)	1898.814			
	Qty b/f CMB No.285/EE-III/SWM/MC/2020-21 vide page no.07 (10th R.A Bill Qty)	428.519			
	Qty b/f CMB No.306/EE-III/SWM/MC/2021-22 vide page no.07 (14th R.A Bill Qty)	856.330			

	Qty b/f CMB No.307/EE-III/SWM/MC/2021-22 vide page no.11 (15th R.A Bill Qty)	230.725			
	Total	**3414.388**	**Sqm**	**Rs. 2,300.00**	**Rs. 7,853,092.40**
1.19	Demolishing R.C.C. work manually/ by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge.				
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.14 (9th R.A Bill Qty)	28.211			
	Total	**28.211**	**Cum**	**Rs. 1,100.00**	**Rs. 31,032.10**
1.2	Demolishing cement concrete manually/ by mechanical means and disposal of material within 50 metres lead as per direction of Engineerin-charge. cum Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix)				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.03 (2nd R.A Bill Qty)	2.963			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.08 (3rd R.A Bill Qty)	65.457			
	Qty b/f CMB No.267/EE-III/SWM/MC/2020-21 vide page no.07 (8th R.A Bill Qty)	21.475			
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.14 (9th R.A Bill Qty)	43.554			
	Qty b/f CMB No.304/EE-III/SWM/MC/2020-21 vide page no.09 (13th R.A Bill Qty)	2.892			
	Total	**136.341**	**Cum**	**Rs. 1,100.00**	**Rs. 149,975.10**
2	**ELECTRICAL WORKS**				
2.01	Supply of 8 Mtr. height decorative Chatsworth pole having cast iron decorative base and pipe dia of 165mm dia & 1 mtr long with cast iron reducer joining with 101mm OD straight pipe. Pole shall be mounted on square base plate. Decorative Cascade bracket with 940mm height mounted on pole. Pole and two brackets at differential height shall be galvanized and painted with PU paint in closed paint chamber with heating treatment in chamber, Make: Surya				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.03 (2nd R.A Bill Qty)	50.000			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.08 (3rd R.A Bill Qty)	15.000			
	Total	**65.000**	**Nos**	**Rs. 64,000.00**	**Rs. 4,160,000.00**
2.02	Supply of Decorative Luminaires for Urban lighting, body made of painted spun aluminum, The protector is made of polycarbonate grade UVresistant (IK 08), Permanently sealed optical compartment with IP66 protection. Luminaire offers tool free access to gear compartment with IP44 protection. Luminaire can be installed as a suspended luminaire. The luminaire is equipped with the LensoFlex2® technology photometric system. PMMA lenses with wide photometry for increased pole spacing. Fixture is having a surge protection of 10KA. Electronic driver is having power factor>0.90*, THD<20*% and input voltage range from 120-227V AC at 50Hz. Luminaire efficacy is 100 im/ watt system lumen greater than 7500 lumens in CCT range of 4000 as per ANSI. System life of 50000 burning hours with 70% of initial lumens maintained. Luminaire is suitable for operating temperature (Ta) from -20 to 50c. Driver can withstand 320V AC for 48 hours and 360V AC for 2 hours.				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.03 (2nd R.A Bill Qty)	50.000			

	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.09 (3rd R.A Bill Qty)	15.000			
	Total	**65.000**	**Nos**	**Rs. 40,000.00**	**Rs. 2,600,000.00**
2.03	Supply of Decorative Luminaires for Urban lighting, body made of painted spun aluminum, The protector is made of polycarbonate grade UVresistant (IK 08), Permanently sealed optical compartment with IP66 protection. Luminaire offers tool free access to gear compartment with IP44 protection. Luminaire can be installed as a suspended luminaire. The luminaire is equipped with the LensoFlex2® technology photometric system. PMMA lenses with wide photometry for increased pole spacing. Fixture is having a surge protection of 10KA. Electronic driver is having power factor>0.90*, THD<20*% and input voltage range from 120-227V AC at 50Hz. Luminaire efficacy is 100 im/ watt system lumen greater than 7500 lumens in CCT range of 4000 as per ANSI. System life of 50000 burning hours with 70% of initial lumens maintained. Luminaire is suitable for operating temperature (Ta) from -20 to 50c. Driver can withstand 320V AC for 48 hours and 360V AC for 2 hours. Make: Surya SLE PT 40W VEGA				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.04 (2nd R.A Bill Qty)	50.000			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.09 (3rd R.A Bill Qty)	15.000			
	Total	**65.000**	**Nos**	**Rs. 33,500.00**	**Rs. 2,177,500.00**
2.04	Providing of XLPE (IS:7098) (I)-88 ISI armoured cable multistrand Aluminium conductor for 1.1 KV. to be				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.04 (2nd R.A Bill Qty)	1500.000	1950.mo x 275/-	= 536250/-	
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.09 (3rd R.A Bill Qty)	1500.000	1050.mx 206.25	= 216562.50	
	Total	**3000.000**	**Mtr**	**Rs. 275.00**	**Rs. 825,000.00**
2.05	Supply of 50mm DWC pipes of approved make for covering of cable.				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.04 (2nd R.A Bill Qty)	1200.000	1560.mo x 230.	358800.m.	
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.10 (3rd R.A Bill Qty)	1200.000	840.mx 172.50	144900.m.	
	Total	**2400.000**	**Mtr**	**Rs. 230.00**	**Rs. 552,000.00**
2.06	Supply of Flexible PVC insulated multistrand multicore 1.1 kv grade ISI marked copper wires of following size to be erected as directed 1.50 Sq.mm 3 core round PVC sheathed.				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.04 (2nd R.A Bill Qty)	700.000	910.mo x 255/-	232050/-	
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.10 (3rd R.A Bill Qty)	700.000	490.mx 191.25	93712.50	
	Total	**1400.000**	**Mtr**	**Rs. 255.00**	**Rs. 357,000.00**

3	**SUB HEAD : Installation, Testing and Commissioning of Streetlight System**				
3.01	Installation of 8 mtr Decorative Pole including excavation and constructing M-20/1:2:4 cement concrete foundation of size 45 x 45 x 120 cms. Deep as directed by Engineer-in-charge.				
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.17 (9th R.A Bill Qty)	15.000			
	Qty b/f CMB No.285/EE-III/SWM/MC/2021-22 vide page no.10 (10th R.A Bill Qty)	1.000			
	Total	**16.000**	**Nos**	**Rs. 5,550.00**	**Rs. 88,800.00**
3.02	Installation, Testing and Commissioning of 75/40 watt Decorative LED Luminaries.				
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.17 (9th R.A Bill Qty)	30.000			
	Total	**30.000**	**Nos**	**Rs. 700.00**	**Rs. 21,000.00**
3.03	Excavation and laying of DWC pipe at a 90 mm below the ground level/level below PCC in Jogging trek. Item includes refilling of the same trench.				
	Qty b/f CMB No.285/EE-III/SWM/MC/2021-22 vide page no.10 (10th R.A Bill Qty)	540.500			
	Qty b/f CMB No.302/EE-III/SWM/MC/2021-22 vide page no.10 (12th R.A Bill Qty)	80.650			
	Total	**621.150**	**Mtr**	**Rs. 325.00**	**Rs. 201,873.75**
3.04	Laying of 4x16 Sqmm Aluminium armoured cable in existing laid DWC pipe/on wall.				
	Qty b/f CMB No.285/EE-III/SWM/MC/2021-22 vide page no.10 (10th R.A Bill Qty)	500.460			
	Total	**500.460**	**Mtr**	**Rs. 60.00**	**Rs. 30,027.60**
3.05	Erecting of 3 core 1.5 sqmm copper flexible cable in pole from junction box to Luminaries				
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.17 (9th R.A Bill Qty)	300.000			
	Total	**300.000**	**Nos**	**Rs. 42.00**	**Rs. 12,600.00**
	EXTRA ITEM				
1.00	To provide structural design analysis with strucutal reinforcement details for construction of siutable wall section for the proposed construction of sea wall in front of Girls School along with the sea coast to a height of 3.00 mtrs suggesting appropriate section, designing of section and supply of detailed working drawings in CAD format 04 sets of CD and also vetted by any reconginised engineering college by Govt of India complete.				
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.17 (9th R.A Bill Qty)	1.000			
	Total	**1.000**	**Nos**	**Rs. 69,620.00**	**Rs. 69,620.00**
2.00	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including getting out and disposal of excavated earth lead upto 50 m and lift upto 1.5 m, as directed by Engineer-in-charge. All kinds of soil.				
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.17 (9th R.A Bill Qty)	4739.630			
	Total	**4739.630**	**Cum**	**Rs. 242.00**	**Rs. 1,146,990.46**

3.00	Carriage of Materials by mechanical transport including loading, unloading and stacking of earth for a lead of 05 kms.				
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.17 (9th R.A Bill Qty)	4739.630			
	Total	**4739.630**	**Cum**	**Rs. 228.23**	**Rs. 1,081,725.75**
4.00	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m.				
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.17 (9th R.A Bill Qty)	4667.865			
	Total	**4667.865**	**Cum**	**Rs. 197.00**	**Rs. 919,569.41**
				Total Workdone Amount	**Rs. 75,091,331.30**
	Secured Advance against the materials brought at site				74774066.00
1.09	**Material Laying at site - Steel** TMT bars of size 8mm, 10mm, 12mm, 16mm and 20mm restricted to 90% of element cost	**216020.00**	**Kg**	**Rs. 49.50**	**Rs. 10,692,990.00**
					5546705/-
				Total Gross Value	**Rs. 85,784,321.30**
				Paid in 2nd RA Bill	**Rs. 19,024,930.00**
				Paid in 3rd RA Bill	**Rs. 14,369,518.00**
				Paid in 4th RA Bill	**Rs. 2,420,254.00**
				Paid in 5th RA Bill	**Rs. 2,426,737.00**
				Paid in 6th RA Bill	**Rs. 2,379,507.00**
				Paid in 7th RA Bill	**Rs. 2,434,807.00**
				Paid in 8th RA Bill	**Rs. 2,481,634.00**
				Paid in 9th RA Bill	**Rs. 25,054,173.00**
				Paid in 10th RA Bill	**Rs. 2,485,858.00**
				Paid in 11th RA Bill	**Rs. 2,478,212.00**
				Paid in 12th RA Bill	**Rs. 2,491,524.00**
		8,2983859/-		**Paid in 13th RA Bill**	**Rs. 2,463,149.00**
		₹3083859/-		**Paid in 14th RA Bill**	**Rs. 2,473,556.00**
				Gross Value of 15th RA Bill	**Rs. 2,800,462.30**
		₹383197/-	2483198/-	**SAY**	**Rs. 2,800,462.00**
	RECOVERY DETAILS				2483198/- ₹383197/-
				Gross Value (A)	**Rs. 2,800,462.00**
(i)	Mobilization Advance reduction for 1) BG No. 85/2020 amounting to Rs.10,97,000/- for advance of Rs.9,97,512/-				Rs. 997,512.00
(ii)	Schedule B Aggregates (-)	2845961.00			
	a) Already recovered in 3rd RA Bill	1225808.00			
	b) Already recovered in 4th RA Bill	224120.00			
	c) Already recovered in 5th RA Bill	216190.00			
	d) Already recovered in 6th RA Bill	201532.00			
	e) Already recovered in 7th RA Bill	239032.00			
	f) Already recovered in 8th RA Bill	241859.00			
	g) Already recovered in 9th RA Bill	497420.00			
	h) Already recovered in 10th RA Bill	0.00			
	i) Already recovered in 11th RA Bill	0.00			
	j) Already recovered in 12th RA Bill	0.00			
	k) Already recovered in 13th RA Bill	0.00			
	l) Already recovered in 14th RA Bill	0.00			
	m) To be recovered in this bill	Rs. 0.00			Rs. 0.00

(iii)	Material Laying at site - Steel				
	a) Already recovered in 3rd RA Bill	7163357.00			
	b) Already recovered in 4th RA Bill	1601924.00			
	c) Already recovered in 5th RA Bill	324012.00			
	d) Already recovered in 6th RA Bill	424990.00			
	e) Already recovered in 7th RA Bill	399197.00			
	f) Already recovered in 8th RA Bill	364686.00			
	g) Already recovered in 9th RA Bill	217034.00			
	h) Already recovered in 10th RA Bill	2160074.00			
	i) Already recovered in 11th RA Bill	330719.00			
	j) Already recovered in 12th RA Bill	400216.00			
	k) Already recovered in 13th RA Bill	471436.00			
	l) Already recovered in 14th RA Bill	301802.00			
	m) To be recovered in this bill	0.00			
		Rs. 167,267.00			Rs. 167,267.00
(iv)	Security deposit @ 2.5% on Total Gross Value	2144608.03	2056676/- 2136677/-		
	a) Already recovered in 2nd RA Bill	475623.00			
	b) Already recovered in 3rd RA Bill	359238.00			
	c) Already recovered in 4th RA Bill	60506.55			
	d) Already recovered in 5th RA Bill	60668.39			
	e) Already recovered in 6th RA Bill	59487.70			
	f) Already recovered in 7th RA Bill	60870.19			
	g) Already recovered in 8th RA Bill	62041.00			
	h) Already recovered in 9th RA Bill	626354.00			
	i) Already recovered in 10th RA Bill	62146.00	2074597/-		
	j) Already recovered in 11th RA Bill	61955.00			
	k) Already recovered in 12th RA Bill	62288.00			
	l) Already recovered in 13th RA Bill	61579.00			62080/-
	m) Already recovered in 14th RA Bill	61839.00			59580/-
	n) To be recovered in this bill	Rs. 70,012.00			Rs. 70,012.00
(v)	IT @ 2% on Total Gross Value	1715686.43	1709347/-		
	a) Already recovered in 1st RA Bill	99751.00			
	b) Already recovered in 2nd RA Bill	380499.00			
	c) Already recovered in 3rd RA Bill	287390.00			
	d) Already recovered in 4th RA Bill	48405.08			
	e) Already recovered in 5th RA Bill	-51216.33			
	f) Already recovered in 6th RA Bill	47590.16			
	g) Already recovered in 7th RA Bill	48696.15			
	h) Already recovered in 8th RA Bill	49633.00	1659678/-		
	i) Already recovered in 9th RA Bill	501083.00	less recovery of mobilization advance(-)		49664/-
	j) Already recovered in 10th RA Bill	49717.00			19950/-
	k) Already recovered in 11th RA Bill	49564.00			
	l) Already recovered in 12th RA Bill	49830.00			
	m) Already recovered in 13th RA Bill	49263.00			29714/-
	n) Already recovered in 14th RA Bill	49471.00			47664/-
	o) To be recovered in this bill	Rs. 56,010.00			Rs. 56,010.00

(vi)	Labour Welfare Cess @ 1% on Total Gross Value	857843.21	854672/-		
	a) Already recovered in 2nd RA Bill	190249.00			
	b) Already recovered in 3rd RA Bill	143695.00			
	c) Already recovered in 4th RA Bill	24203.02			
	d) Already recovered in 5th RA Bill	24267.35			
	e) Already recovered in 6th RA Bill	23795.09			
	f) Already recovered in 7th RA Bill	24348.07			
	g) Already recovered in 8th RA Bill	24816.00			
	h) Already recovered in 9th RA Bill	250542.00	829840/-		
	i) Already recovered in 10th RA Bill	24859.00			
	j) Already recovered in 11th RA Bill	24782.00			
	k) Already recovered in 12th RA Bill	24915.00			
	l) Already recovered in 13th RA Bill	24631.00			
	m) Already recovered in 14th RA Bill	24736.00			23832/-
	n) To be recovered in this bill	Rs. 28,005.00			Rs. 28,005.00
(vii)	UGST @ 1% on Total Gross Value	857843.21	854672/-		
	a) Already recovered in 1st RA Bill	49875.50			
	b) Already recovered in 2nd RA Bill	190249.50			
	c) Already recovered in 3rd RA Bill	143695.00			
	d) Already recovered in 4th RA Bill	24202.52			
	e) Already recovered in 5th RA Bill	-25608.15			
	f) Already recovered in 6th RA Bill	23795.09			
	g) Already recovered in 7th RA Bill	24348.07	829840/-		
	h) Already recovered in 8th RA Bill	24816.00			
	i) Already recovered in 9th RA Bill	250542.00			
	j) Already recovered in 10th RA Bill	24859.00			
	k) Already recovered in 11th RA Bill	24782.00			
	l) Already recovered in 12th RA Bill	24915.00			
	m) Already recovered in 13th RA Bill	24631.00			24832/-
	n) Already recovered in 14th RA Bill	24736.00			23832/-
	o) To be recovered in this bill	Rs. 28,005.00			Rs. 28,005.00
(viii)	CGST @ 1% on Total Gross Value	857843.21	854671/- 854672/-		
	a) Already recovered in 1st RA Bill	49875.50			
	b) Already recovered in 2nd RA Bill	190249.50			
	c) Already recovered in 3rd RA Bill	143695.00			
	d) Already recovered in 4th RA Bill	24202.52			
	e) Already recovered in 5th RA Bill	-25608.15			
	f) Already recovered in 6th RA Bill	23795.09			
	g) Already recovered in 7th RA Bill	24348.07			
	h) Already recovered in 8th RA Bill	24816.00			

i) Already recovered in 9th RA Bill	250542.00			
j) Already recovered in 10th RA Bill	24859.00			
k) Already recovered in 11th RA Bill	24782.00			
l) Already recovered in 12th RA Bill	24915.00			
m) Already recovered in 13th RA Bill	24631.00			
n) Already recovered in 14th RA Bill	24736.00			
o) To be recovered in this bill	Rs. 28,005.00			Rs. 28,005.00
Now to be deducted total ₹ = → 49664/- adjusted less recovery of mobilization adv. ₹ -19950/-		→ 29714/-	Total Recovery (B)	Rs. 1,374,816.00
			Net Amount Payable in this Bill (A-B)	Rs. 1,425,646.00
			Says	Rs. 1,425,646.00

Net Amount in words:- (Rupees ~~Fourteen~~ Lakhs ~~Twenty Five~~ Thousand ~~Six Hundred Forty Six~~ Only)

Certified that:-

1. The work has been executed as per terms and conditions of the agreement.
2. No material and T & P has been issued from the Department.
3. Own arrangements for water has been made.
4. No Labour Complaints has been received.
5. Requisite technical staff has been employed as per agreement.
6. Up to date recoveries have been effected in this bill.
7. All Mandatory Test have been conducted.

Signature of the Contractor

Signature of the AE

Signature of the EE (Works)

Ref. Page No: 01 to 15 of TMB.

Authority :- 01 (PBSPL) of 2020-2021

N.O.W :- marine esplanade : marina road restructuring with uniform carriage way, walking track, street lighting street furniture, service core trenching and land scaping.

Agency → M/s Surendra Infrastructure (P) Ltd.

Total Gross value of work done	→	8,54,67,057/-
Already paid upto 14th RA Bill	→	8,29,83,859/-
~~now to be deducted~~ Gross value of 15th RA Bill	→	24,83,198/-

Deduction

(i) Security deposit @ 2.5% on GVW → 213667/-
Already deducted upto 14th RA Bill → 2074597/-
now to be deducted → 62080/-

(ii) IT Tax @ 2% on GVW → 1709342/-
Already deducted upto 14th RA Bill → 1659678/-
now to be deducted → 49664/-
IT deduction to be adjusted less → 19950/-
Recovery of mobilization advance of ₹=997512/- (BSR NO-85/2020 amounting to Rs-1097000/- for advance of ₹=997512/-)
Actual IT Tax to be deducted now → 29714/-

(iii) Labour cess @ 1% on GVW → 854672/-
Already deducted upto 14th RA Bill → 829840/-
now to be deducted → 24832/-

cont-II

Secured Advance against the materials brought at site

Name of Work:- Marine esplanade: Marina road restructuring with uniform carriage way, walking track, street lighting, street furniture, service core trenching and land scaping.

Agreement No :- 01 (PBSPL) of 2020-21

Agency :- M/s. Surendra Infrastructure (P) Ltd.

Serial no of this bill :- 15th RA Bill

S.No	Sch Item No.	Description of Items	Quantity	Unit	Rate Allowed	Amount
1	1.09	Steel TMT Bars	144714.276	Kgs	49.50	7163356.662
					Total Amount	**7163356.66**
					Says	**7163357.00**

Executive Engineer-III (Works)
Municipal Council
Port Blair

Junior Engineer-III (Works)
PBMC

(iv) TDS on GST @ 2% on GIV → 1709342/=
Already deducted upto 14th RA Bill → 1659678/=
now to be deducted → 49664/=
TDS deduction to be adjusted less → 19950/=
Recovery of mobilization advance of-
₹=997512/- (BV. No: 83/2020
amounting ₹=1097000/- towards ₹=997512/-)
Actual TDS to be deducted now → 29714/-

(v) Material laying at site-Steel → 7163357/-
Already recovered upto 13th RA Bill → 6996090/=
now to be deducted → 167267/=

cont-III

(vi) Mobilization advance Recovery. ⟶ 997512/-
Bill No. 85/2020 accounting le
₹= 1097000/- for ₹= 997512/-

Total deduction ₹ ⟶ 13,11,119/-

Net payable Amount ⟶ 1172079/-

15th RA Bill in respect of M/s Surendra Infrastructure (P) Ltd. against Agr. No: 01(PRSPL) of 2020-2021 is passed for ₹= 24,83,198/- (Rupees Twenty four lakhs eighty three thousand one hundred ninety eight only).

Executive Engineer - III (NKS)
Municipal Council
Port Blair

Payment released for ₹= 1172079/-

लेखा अधिकारी
ACCOUNTS OFFICER - III
नगरपालिका परिषद
Municipal Council
पोर्ट ब्लेयर/Port Blair

THEORETICAL STATEMENT

Name of Work:- Marine esplanade: Marina road restructuring with uniform carriage way, walking track, street lighting, street furniture, service core trenching and land scaping.

Agreement No :- 01 (PBSPL) of 2020-21

Agency :- M/s. Surendra Infrastructure (P) Ltd.

Serial no of this bill :- 15th RA Bill

S.No	Sch Item No.	Description of Items	Quantity	Unit	Coefficient	Quantity
1	1.04	PCC 1:4:8	4.464	Cum		
		Cement		Bags	3.410	15.222
		Pulverised Sand		Cum	0.470	2.098
		Stone aggregates 40mm		Cum	0.950	4.241
2	1.08	M-40	51.792	Cum		
		Cement		Bags	8.840	457.841
		Pulverised Sand		Cum	0.454	23.514
		Stone aggregates 20mm		Cum	0.277	14.346
		Stone aggregates 12.5mm		Cum	0.415	21.494

Junior Engineer-III (Works)

PBMC

Division:- Executive Engineer-III (SWM/MC), Port Blair Municipal Council, Port Blair

(16th R.A BILL)

COMPUTERIZED MEASUREMENT BOOK

(DETAILS OF ABSTRACT)

CMB No:- 312/EE-III/SWM/MC/2021-22

Name of Work: - Marine esplanade: Marina road restructuring with uniform carriage way, walking track, street lighting, street furniture, service core trenching and land scaping.

Name of Contractor: - M/s. Surendra Infrastructure (P) Ltd.

Agreement No.: - 01 (PBSPL) of 2020-2021

Certified that this Computerized measurement book bearing no.312/EE-III/SWM/MC/2021-22 contains 17 leaves serially numbered from pages 01 to 17 and two blank pages without any damage.

Signature of Contractor	Signature of Assistant Engineer	Signature of Executive Engineer

ABSTRACT OF COST

(16th R.A Bill)

Name of Work:- Marine esplanade: Marina road restructuring with uniform carriage way, walking track, street lighting, street furniture, service core trenching and land scaping.

Agreement No. :- 01 (PBSPL) of 2020-2021

Name of Agency :- M/s. Surendra Infrastructure (P) Ltd.

Date of Commencement:- 07.12.2020

Date of Completion:- In Progress

Reference to previous measurement, if any :- NIL

Serial no. of this bill :- 16th RA Bill

CMB no. of this bill :- 312/EE-III/SWM/MC/2021-22

Date of Abstract:-

Item No.	Particulars	Quantity	Unit	Rate	Amount
1	**CIVIL WORKS**				
1.01	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m. a) All kinds of soil.				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.01 (2nd R.A Bill Qty)	17.617			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.01 (3rd R.A Bill Qty)	139.362			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.01 (4th R.A Bill Qty)	54.283			
	Qty b/f CMB No.267/EE-III/SWM/MC/2020-21 vide page no.01 (8th R.A Bill Qty)	69.113			
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.01 (9th R.A Bill Qty)	2902.781			
	Total	**3183.156**	**Cum**	**Rs. 225.00**	**Rs. 7,16,210.10**
1.02	Excavation work by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m. Hard rock (blasting prohibited)				
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.01 (9th R.A Bill Qty)	242.226			
	Total	**242.226**	**Cum**	**Rs. 500.00**	**Rs. 1,21,113.00**
1.03	Filling with available pulverised sand				
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.01 (9th R.A Bill Qty)	144.052			
	Qty b/f CMB No.287/EE-III/SWM/MC/2021-22 vide page no.01 (11th R.A Bill Qty)	15.969			
	Total	**160.021**	**Cum**	**Rs. 3,400.00**	**Rs. 5,44,071.40**

1.04	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:4:8 (1 Cement : 4 coarse sand (Zone III) : 8 graded stone aggregate 40 mm nominal size)				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.01 (2nd R.A Bill Qty)	11.242			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.02 (3rd R.A Bill Qty)	85.005			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.01 (4th R.A Bill Qty)	11.369			
	Qty b/f CMB No.235/EE-III/SWM/MC/2020-21 vide page no.01 (5th R.A Bill Qty)	8.928			
	Qty b/f CMB No.241/EE-III/SWM/MC/2020-21 vide page no.01 (6th R.A Bill Qty)	2.864			
	Qty b/f CMB No.243/EE-III/SWM/MC/2020-21 vide page no.01 (7th R.A Bill Qty)	13.392			
	Qty b/f CMB No.267/EE-III/SWM/MC/2020-21 vide page no.02 (8th R.A Bill Qty)	15.993			
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.02 (9th R.A Bill Qty)	194.516			
	Qty b/f CMB No.287/EE-III/SWM/MC/2021-22 vide page no.02 (11th R.A Bill Qty)	15.969			
	Qty b/f CMB No.308/EE-III/SWM/MC/2021-22 vide page no.06 (15th R.A Bill Qty)	4.464			
	Qty b/f CMB No.311/EE-III/SWM/MC/2021-22 vide page no.04 (16th R.A Bill Qty)	2.320			
	Qty b/f CMB No.311/EE-III/SWM/MC/2021-22 vide page no.11 (16th R.A Bill Qty)	2.320		292.318 x 9250.00	
	Qty b/f CMB No.311/EE-III/SWM/MC/2021-22 vide page no.18 (16th R.A Bill Qty)	2.320		80.704 x 9250.00 }	
	Qty b/f CMB No.311/EE-III/SWM/MC/2021-22 vide page no.24 (16th R.A Bill Qty)	2.320			
	Total	**373.022**	**Cum**	**Rs. 9,250.00**	**Rs. 34,50,453.50**
1.05	Providing and laying in position machine batched and machine mixed design mix M-25 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying but excluding the cost of centering, shuttering, finishing and reinforcement, including admixtures in recommended proportions as per IS: 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer-in-charge."(Note :- Cement content considered in this item is @ 330 kg/cum."Excess/ less cement used as per design mix is payable/recoverable separately). All works upto plinth level				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.01 (2nd R.A Bill Qty)	10.528			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.03 (3rd R.A Bill Qty)	320.952			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.02 (4th R.A Bill Qty)	59.176			
	Qty b/f CMB No.235/EE-III/SWM/MC/2020-21 vide page no.02 (5th R.A Bill Qty)	58.454			
	Qty b/f CMB No.241/EE-III/SWM/MC/2020-21 vide page no.02 (6th R.A Bill Qty)	16.382			
	Qty b/f CMB No.243/EE-III/SWM/MC/2020-21 vide page no.02 (7th R.A Bill Qty)	74.954			
	Qty b/f CMB No.267/EE-III/SWM/MC/2020-21 videpage no.02 (8th R.A Bill Qty)	81.964			

	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.04 (9th R.A Bill Qty)	310.818			
	Qty b/f CMB No.302/EE-III/SWM/MC/2021-22 vide page no.02 (12th R.A Bill Qty)	11.773			
	Qty b/f CMB No.308/EE-III/SWM/MC/2021-22 vide page no.06 (15th R.A Bill Qty)	29.227			
	Qty b/f CMB No.311/EE-III/SWM/MC/2021-22 vide page no.04 (16th R.A Bill Qty)	8.460			
	Qty b/f CMB No.311/EE-III/SWM/MC/2021-22 vide page no.05 (16th R.A Bill Qty)	6.664			
	Qty b/f CMB No.311/EE-III/SWM/MC/2021-22 vide page no.11 (16th R.A Bill Qty)	8.460			
	Qty b/f CMB No.311/EE-III/SWM/MC/2021-22 vide page no.12 (16th R.A Bill Qty)	6.664			
	Qty b/f CMB No.311/EE-III/SWM/MC/2021-22 vide page no.18 (16th R.A Bill Qty)	8.460			
	Qty b/f CMB No.311/EE-III/SWM/MC/2021-22 vide page no.19 (16th R.A Bill Qty)	6.664			
	Qty b/f CMB No.311/EE-III/SWM/MC/2021-22 vide page no.24 (16th R.A Bill Qty)	8.460			
	Qty b/f CMB No.311/EE-III/SWM/MC/2021-22 vide page no.25 (16th R.A Bill Qty)	6.664			
	Total	**1034.724**	**Cum**	**Rs. 11,000.00**	**Rs. 1,13,81,964.00**
1.06	Extra for laying RCC in or under water and/or liquid mud, including cost of pumping or bailing out water and removing slush etc., complete.				
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.03 (3rd R.A Bill Qty)	320.702			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.02 (4th R.A Bill Qty)	80.263			
	Qty b/f CMB No.235/EE-III/SWM/MC/2020-21 vide page no.2 (5th R.A Bill Qty)	89.103			
	Qty b/f CMB No.241/EE-III/SWM/MC/2020-21 vide page no.02 (6th R.A Bill Qty)	24.914			
	Qty b/f CMB No.243/EE-III/SWM/MC/2020-21 vide page no.02 (7th R.A Bill Qty)	110.070			
	Qty b/f CMB No.267/EE-III/SWM/MC/2020-21 vide page no.03 (8th R.A Bill Qty)	68.142			
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.04 (9th R.A Bill Qty)	466.494			
	Qty b/f CMB No.302/EE-III/SWM/MC/2021-22 vide page no.03 (12th R.A Bill Qty)	17.265			
	Qty b/f CMB No.308/EE-III/SWM/MC/2021-22 vide page no.08 (15th R.A Bill Qty)	44.553			
	Qty b/f CMB No.311/EE-III/SWM/MC/2021-22 vide page no.06 (16th R.A Bill Qty)	23.127			
	Qty b/f CMB No.311/EE-III/SWM/MC/2021-22 vide page no.13 (16th R.A Bill Qty)	23.127			
	Qty b/f CMB No.311/EE-III/SWM/MC/2021-22 vide page no.20 (16th R.A Bill Qty)	23.127	202.8 x 650/- 1111.24 x 487.50		131820/- 541716/83.
	Qty b/f CMB No.311/EE-III/SWM/MC/2021-22 vide page no.26 (16th R.A Bill Qty)	23.127			
	Total	**1314.014**	**Cum**	**Rs. 650.00**	**Rs. 8,54,109.10**

1.07	Providing and laying in position machine batched and machine mixed design mix M-25 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying but excluding the cost of centering, shuttering, finishing and reinforcement, including admixtures in recommended proportions as per IS: 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer-in-charge."(Note :- Cement contentconsidered in this item is @ 330 kg/cum."Excess/ less cement used as per design mix is payable/recoverable separately).				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.02 (2nd R.A Bill Qty)	14.812			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.04 (3rd R.A Bill Qty)	222.185			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.03 (4th R.A Bill Qty)	52.226			
	Qty b/f CMB No.235/EE-III/SWM/MC/2020-21 vide page no.03 (5th R.A Bill Qty)	52.747			
	Qty b/f CMB No.241/EE-III/SWM/MC/2020-21 vide page no.03 (6th R.A Bill Qty)	93.837			
	Qty b/f CMB No.243/EE-III/SWM/MC/2020-21 vide page no.03 (7th R.A Bill Qty)	43.768			
	Qty b/f CMB No.267/EE-III/SWM/MC/2020-21 vide page no.03 (8th R.A Bill Qty)	45.130			
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.06 (9th R.A Bill Qty)	363.021			
	Qty b/f CMB No.285/EE-III/SWM/MC/2021-22 vide page no.04 (10th R.A Bill Qty)	45.949			
	Qty b/f CMB No.287/EE-III/SWM/MC/2021-22 vide page no.03 (11th R.A Bill Qty)	131.561			
	Qty b/f CMB No.302/EE-III/SWM/MC/2021-22 vide page no.04 (12th R.A Bill Qty)	111.481			
	Qty b/f CMB No.304/EE-III/SWM/MC/2021-22 vide page no.04 (13th R.A Bill Qty)	113.978			
	Qty b/f CMB No.308/EE-III/SWM/MC/2021-22 vide page no.08 (15th R.A Bill Qty)	22.565			
	Qty b/f CMB No.311/EE-III/SWM/MC/2021-22 vide page no.06 (16th R.A Bill Qty)	5.683			
	Qty b/f CMB No.311/EE-III/SWM/MC/2021-22 vide page no.07 (16th R.A Bill Qty)	6.152			
	Qty b/f CMB No.311/EE-III/SWM/MC/2021-22 vide page no.13 (16th R.A Bill Qty)	5.683			
	Qty b/f CMB No.311/EE-III/SWM/MC/2021-22 vide page no.14 (16th R.A Bill Qty)	6.152			
	Qty b/f CMB No.311/EE-III/SWM/MC/2021-22 vide page no.20 (16th R.A Bill Qty)	5.683			
	Qty b/f CMB No.311/EE-III/SWM/MC/2021-22 vide page no.26 (16th R.A Bill Qty)	5.683			
	Total	**1348.296**	**Cum**	**Rs. 11,400.00**	**Rs. 1,53,70,574.40**
	Providing M-25 grade concrete. (Note : Cement content considered as per Design Mix M25 - 343 kg/cbm approved.				
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.05 (3rd R.A Bill Qty)	2003.625			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.03 (4th R.A Bill Qty)	389.337			
	Qty b/f CMB No.267/EE-III/SWM/MC/2020-21 vide page no.04 (8th R.A Bill Qty)	520.130			
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.06 (9th R.A Bill Qty)	334.867			

	Qty b/f CMB No.285/EE-III/SWM/MC/2021-22 vide page no.04 (10th R.A Bill Qty)	194.038			
	Qty b/f CMB No.287/EE-III/SWM/MC/2021-22 vide page no.04 (11th R.A Bill Qty)	1710.293			
	Qty b/f CMB No.302/EE-III/SWM/MC/2021-22 vide page no.04 (12th R.A Bill Qty)	1210.950			
	Qty b/f CMB No.304/EE-III/SWM/MC/2021-22 vide page no.04 (13th R.A Bill Qty)	1481.714			
	Total	**7844.954**	**Kg**	**Rs. 10.00**	**Rs. 78,449.54**
1.08	Extra for providing richer mixes at all floor levels. Note:- Excess/less cement over the specified cement content used is payable / recoverable separately. Providing M-40 grade concrete instead of M-25 grade BMC/RMC. (Note : Cement content considered in M-40 is @ 360 kg/cum)				
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.05 (3rd R.A Bill Qty)	414.336			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.03 (4th R.A Bill Qty)	81.453			
	Qty b/f CMB No.235/EE-III/SWM/MC/2020-21 vide page no.03 (5th R.A Bill Qty)	111.201			
	Qty b/f CMB No.241/EE-III/SWM/MC/2020-21 vide page no.04 (6th R.A Bill Qty)	110.218			
	Qty b/f CMB No.243/EE-III/SWM/MC/2020-21 vide page no.04 (7th R.A Bill Qty)	118.722			
	Qty b/f CMB No.267/EE-III/SWM/MC/2020-21 vide page no.04 (8th R.A Bill Qty)	75.381			
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.07 (9th R.A Bill Qty)	659.783			
	Qty b/f CMB No.285/EE-III/SWM/MC/2021-22 vide page no.04 (10th R.A Bill Qty)	31.023			
	Qty b/f CMB No.302/EE-III/SWM/MC/2021-22 vide page no.04 (12th R.A Bill Qty)	30.102			
	Qty b/f CMB No.308/EE-III/SWM/MC/2021-22 vide page no.10 (15th R.A Bill Qty)	51.792			
	Qty b/f CMB No.311/EE-III/SWM/MC/2021-22 vide page no.08 (16th R.A Bill Qty)	26.959			
	Qty b/f CMB No.311/EE-III/SWM/MC/2021-22 vide page no.15 (16th R.A Bill Qty)	26.959			
	Qty b/f CMB No.311/EE-III/SWM/MC/2021-22 vide page no.21 (16th R.A Bill Qty)	20.807		1569.690 209.853 } × 320/-	
	Qty b/f CMB No.311/EE-III/SWM/MC/2021-22 vide page no.27 (16th R.A Bill Qty)	20.807			
	Total	**1779.543**	**Cum**	**Rs. 320.00**	**Rs. 5,69,453.76**
	Extra for providing richer mixes M-40 grade concrete. (Note : Cement content considered as per Design Mix M40 - 442 kg/cbm approved.				
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.05 (3rd R.A Bill Qty)	33975.552			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.03 (4th R.A Bill Qty)	6679.146			
	Qty b/f CMB No.235/EE-III/SWM/MC/2020-21 vide page no.03 (5th R.A Bill Qty)	9118.482			
	Qty b/f CMB No.241/EE-III/SWM/MC/2020-21 vide page no.05 (6th R.A Bill Qty)	9037.958			
	Qty b/f CMB No.243/EE-III/SWM/MC/2020-21 vide page no.04 (7th R.A Bill Qty)	9735.204			
	Qty b/f CMB No.267/EE-III/SWM/MC/2020-21 vide page no.04 (8th R.A Bill Qty)	6181.242			
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.08 (9th R.A Bill Qty)	54102.206			

	Qty b/f CMB No.285/EE-III/SWM/MC/2021-22 vide page no.05 (10th R.A Bill Qty)	2543.886			
	Qty b/f CMB No.302/EE-III/SWM/MC/2021-22 vide page no.05 (12th R.A Bill Qty)	2468.364			
	Qty b/f CMB No.308/EE-III/SWM/MC/2021-22 vide page no.05 (15th R.A Bill Qty)	4246.944			
	Extra for providing richer mixes M-40 grade concrete. (Note : Cement content considered as per Design Mix M40 - 442 kg/cbm approved. (Qty - 95.532 Cum) Cement Qty = 95.532 x 442 = 42225.144 Kg = 95.532 x 360 = 34391.520 Kg Difference Qty = 7833.624 Kg	7833.624			
	Total	**145922.608**	**Kg**	**Rs. 10.00**	**Rs. 14,59,226.08**
1.09	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level. A) Thermo-Mechanically Treated bars of grade Fe-500D or more.				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.02 (2nd R.A Bill Qty)	1051.813			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.05 (3rd R.A Bill Qty)	31310.281			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.04 (4th R.A Bill Qty)	6545.698			
	Qty b/f CMB No.235/EE-III/SWM/MC/2020-21 vide page no.04 (5th R.A Bill Qty)	8585.653			
	Qty b/f CMB No.241/EE-III/SWM/MC/2020-21 vide page no.06 (6th R.A Bill Qty)	8064.591			
	Qty b/f CMB No.243/EE-III/SWM/MC/2020-21 vide page no.04 (7th R.A Bill Qty)	7367.385			
	Qty b/f CMB No.267/EE-III/SWM/MC/2020-21 vide page no.05 (8th R.A Bill Qty)	4384.528			
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.10 (9th R.A Bill Qty)	43637.869			
	Qty b/f CMB No.285/EE-III/SWM/MC/2021-22 vide page no.05 (10th R.A Bill Qty)	6681.193			
	Qty b/f CMB No.287/EE-III/SWM/MC/2021-22 vide page no. (11th R.A Bill Qty)	8085.169			
	Qty b/f CMB No.302/EE-III/SWM/MC/2021-22 vide page no.06 (12th R.A Bill Qty)	9523.962			
	Qty b/f CMB No.304/EE-III/SWM/MC/2021-22 vide page no.06 (13th R.A Bill Qty)	6097.007			
	Qty b/f CMB No.308/EE-III/SWM/MC/2021-22 vide page no.03 (15th R.A Bill Qty)	3379.127			
	Qty b/f CMB No.311/EE-III/SWM/MC/2021-22 vide page no.01 (16th R.A Bill Qty)	680.557			
	Qty b/f CMB No.311/EE-III/SWM/MC/2021-22 vide page no.02 (16th R.A Bill Qty)	811.875			
	Qty b/f CMB No.311/EE-III/SWM/MC/2021-22 vide page no.03 (16th R.A Bill Qty)	307.593			
	Qty b/f CMB No.311/EE-III/SWM/MC/2021-22 vide page no.08 (16th R.A Bill Qty)	680.557			
	Qty b/f CMB No.311/EE-III/SWM/MC/2021-22 vide page no.09 (16th R.A Bill Qty)	811.875			
	Qty b/f CMB No.311/EE-III/SWM/MC/2021-22 vide page no.10 (16th R.A Bill Qty)	307.593			
	Qty b/f CMB No.311/EE-III/SWM/MC/2021-22 vide page no.15 (16th R.A Bill Qty)	680.557			

	Qty b/f CMB No.311/EE-III/SWM/MC/2021-22 vide page no.16 (16th R.A Bill Qty)	811.875			
	Qty b/f CMB No.311/EE-III/SWM/MC/2021-22 vide page no.17 (16th R.A Bill Qty)	307.593			
	Qty b/f CMB No.311/EE-III/SWM/MC/2021-22 vide page no.21 (16th R.A Bill Qty)	680.557			
	Qty b/f CMB No.311/EE-III/SWM/MC/2021-22 vide page no.22 (16th R.A Bill Qty)	811.875			
	Qty b/f CMB No.311/EE-III/SWM/MC/2021-22 vide page no.23 (16th R.A Bill Qty)	307.593			
		151914.376	**Kg**	**Rs. 91.00**	**Rs. 1,38,24,208.22**
1.1	12 mm plaster 1:4				
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.10 (9th R.A Bill Qty)	1672.905			
	Qty b/f CMB No.308/EE-III/SWM/MC/2021-22 vide page no.10 (15th R.A Bill Qty)	264.920			
	Qty b/f CMB No.311/EE-III/SWM/MC/2021-22 vide page no.27 (16th R.A Bill Qty)	74.000			
	Qty b/f CMB No.311/EE-III/SWM/MC/2021-22 vide page no.27 (16th R.A Bill Qty)	74.000			
	Qty b/f CMB No.311/EE-III/SWM/MC/2021-22 vide page no.27 (16th R.A Bill Qty)	74.000			
	Qty b/f CMB No.311/EE-III/SWM/MC/2021-22 vide page no.28 (16th R.A Bill Qty)	55.500			
		2215.325	**Sqm**	**Rs. 370.00**	**Rs. 8,19,670.25**
1.11	Centering and shuttering including strutting, propping etc. and removal of form work for : Foundations, footings, bases for columns				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.02 (2nd R.A Bill Qty)	50.400			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.07 (3rd R.A Bill Qty)	267.000			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.04 (4th R.A Bill Qty)	23.630			
	Qty b/f CMB No.235/EE-III/SWM/MC/2020-21 vide page no.04 (5th R.A Bill Qty)	26.800			
	Qty b/f CMB No.241/EE-III/SWM/MC/2020-21 vide page no.06 (6th R.A Bill Qty)	11.320			
	Qty b/f CMB No.243/EE-III/SWM/MC/2020-21 vide page no.05 (7th R.A Bill Qty)	40.200			
	Qty b/f CMB No.267/EE-III/SWM/MC/2020-21 vide page no.05 (8th R.A Bill Qty)	30.480			
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.11 (9th R.A Bill Qty)	149.200			
	Qty b/f CMB No.308/EE-III/SWM/MC/2021-22 vide page no.06 (15th R.A Bill Qty)	13.400			
	Qty b/f CMB No.311/EE-III/SWM/MC/2021-22 vide page no.04 (16th R.A Bill Qty)	8.040			
	Qty b/f CMB No.311/EE-III/SWM/MC/2021-22 vide page no.11 (16th R.A Bill Qty)	8.040			
	Qty b/f CMB No.311/EE-III/SWM/MC/2021-22 vide page no.18 (16th R.A Bill Qty)	8.040			
	Qty b/f CMB No.311/EE-III/SWM/MC/2021-22 vide page no.24 (16th R.A Bill Qty)	8.040			
	Total	**644.590**	**Sqm**	**Rs. 340.00**	**Rs. 2,19,160.60**

1.12	Centering and shuttering including strutting, propping etc. and removal of form work for : Retaining walls, return walls, walls (any thickness) including attached pilasters, butteresses, plinth and string courses fillets, kerbs and steps etc.				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.02 (2nd R.A Bill Qty)	142.478			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.08 (3rd R.A Bill Qty)	1784.236			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.04 (4th R.A Bill Qty)	542.815			
	Qty b/f CMB No.235/EE-III/SWM/MC/2020-21 vide page no.05 (5th R.A Bill Qty)	234.276			
	Qty b/f CMB No.241/EE-III/SWM/MC/2020-21 vide page no.07 (6th R.A Bill Qty)	383.468			
	Qty b/f CMB No.243/EE-III/SWM/MC/2020-21 vide page no.05 (7th R.A Bill Qty)	197.338			
	Qty b/f CMB No.267/EE-III/SWM/MC/2020-21 vide page no.06 (8th R.A Bill Qty)	604.812			
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.13 (9th R.A Bill Qty)	1768.461			
	Qty b/f CMB No.285/EE-III/SWM/MC/2021-22 vide page no.07 (10th R.A Bill Qty)	200.384			
	Qty b/f CMB No.287/EE-III/SWM/MC/2021-22 vide page no.06 (11th R.A Bill Qty)	41.326			
	Qty b/f CMB No.302/EE-III/SWM/MC/2021-22 vide page no.07 (12th R.A Bill Qty)	224.470			
	Qty b/f CMB No.304/EE-III/SWM/MC/2021-22 vide page no.07 (13th R.A Bill Qty)	440.680			
	Qty b/f CMB No.308/EE-III/SWM/MC/2021-22 vide page no.07 (15th R.A Bill Qty)	101.159			
	Qty b/f CMB No.311/EE-III/SWM/MC/2021-22 vide page no.05 (16th R.A Bill Qty)	30.747			
	Qty b/f CMB No.311/EE-III/SWM/MC/2021-22 vide page no.07 (16th R.A Bill Qty)	25.634			
	Qty b/f CMB No.311/EE-III/SWM/MC/2021-22 vide page no.12 (16th R.A Bill Qty)	30.747			
	Qty b/f CMB No.311/EE-III/SWM/MC/2021-22 vide page no.14 (16th R.A Bill Qty)	25.634			
	Qty b/f CMB No.311/EE-III/SWM/MC/2021-22 vide page no.19 (16th R.A Bill Qty)	30.474			
	Qty b/f CMB No.311/EE-III/SWM/MC/2021-22 vide page no.25 (16th R.A Bill Qty)	30.747			
	Total	**6839.886**	**Sqm**	**Rs. 570.00**	**Rs. 38,98,735.02**
1.13	Centering and shuttering including strutting, propping etc. and removal of form for all heights : Extra for shuttering in circular work (20% of respective centering and shutttering items)				
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.05 (4th R.A Bill Qty)	50.597			
	Qty b/f CMB No.235/EE-III/SWM/MC/2020-21 vide page no.05 (5th R.A Bill Qty)	37.948			
	Qty b/f CMB No.241/EE-III/SWM/MC/2020-21 vide page no.07 (6th R.A Bill Qty)	59.749			
	Qty b/f CMB No.243/EE-III/SWM/MC/2020-21 vide page no.05 (7th R.A Bill Qty)	12.649			
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.13 (9th R.A Bill Qty)	138.574			
	Qty b/f CMB No.285/EE-III/SWM/MC/2021-22 vide page no.07 (10th R.A Bill Qty)	37.948			
	Qty b/f CMB No.302/EE-III/SWM/MC/2021-22 vide page no.07 (12th R.A Bill Qty)	8.786			
	Total	**346.251**	**Sqm**	**Rs. 150.00**	**Rs. 51,937.65**

1.16	Providing and fixing FRP Pultruded hand rail with PU coating with 50x50x6mm post, top ergonomic hand rail 70x65x4mm mild omega shaped 80x4mm Toe/knee plate 80x3 mm with FRP Foot mount & SS 316 L fasteners Height 600mm AND FRP post at every 1.5 meter as per the direction of the engineer in charge.				
	Qty b/f CMB No.304/EE-III/SWM/MC/2021-22 vide page no.16 (13th R.A Bill Qty)	63.200			
	Qty b/f CMB No.306/EE-III/SWM/MC/2021-22 vide page no.07 (14th R.A Bill Qty)	90.000			
	Qty b/f CMB No.308/EE-III/SWM/MC/2021-22 vide page no.07 (15th R.A Bill Qty)	140.000			
	Total	**293.200**	**meter**	**Rs. 5,600.00**	**Rs. 16,41,920.00**
1.17	Providing and laying factory made chamfered edge Cement Concrete paver blocks in foot path, park & lawns driveway or light & traffic parking etc. of required strength, thickness & size/shape, made by table vibratory method using PU mould, laid in required colour & pattern over 50 mm thick compacted bed of course sand, compacting and proper embedding/laying of inter locking paver blocks unto the sand bedding layer through vibratory compaction by using plate vibrator, filling the joints with sand and cutting of paver blocks as per required size and pattern, finishing and sweeping extra sand, all complete as per manufacturer's specifications & direction of Engineer-in-Charge. 80mm thick Cement concrete paver block of M-35 grade with approved colour, design & pattern				
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.14 (9th R.A Bill Qty)	1898.814			
	Qty b/f CMB No.285/EE-III/SWM/MC/2021-22 vide page no.07 (10th R.A Bill Qty)	428.519			
	Qty b/f CMB No.306/EE-III/SWM/MC/2021-22 vide page no.07 (14th R.A Bill Qty)	856.330			
	Qty b/f CMB No.308/EE-III/SWM/MC/2021-22 vide page no.11 (15th R.A Bill Qty)	230.725			
	Qty b/f CMB No.311/EE-III/SWM/MC/2021-22 vide page no.28 (16th R.A Bill Qty)	130.800			
	Total	**3545.188**	**Sqm**	**Rs. 2,300.00**	**Rs. 81,53,932.40**
1.19	Demolishing R.C.C. work manually/ by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge.				
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.14 (9th R.A Bill Qty)	28.211			
	Total	**28.211**	**Cum**	**Rs. 1,100.00**	**Rs. 31,032.10**
1.2	Demolishing cement concrete manually/ by mechanical means and disposal of material within 50 metres lead as per direction of Engineerin-charge. cum Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix)				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.03 (2nd R.A Bill Qty)	2.963			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.08 (3rd R.A Bill Qty)	65.457			
	Qty b/f CMB No.267/EE-III/SWM/MC/2020-21 vide page no.07 (8th R.A Bill Qty)	21.475			
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.14 (9th R.A Bill Qty)	43.554			
	Qty b/f CMB No.304/EE-III/SWM/MC/2021-22 vide page no.09 (13th R.A Bill Qty)	2.892			
	Total	**136.341**	**Cum**	**Rs. 1,100.00**	**Rs. 1,49,975.10**

2	ELECTRICAL WORKS				
2.01	Supply of 8 Mtr. height decorative Chatsworth pole having cast iron decorative base and pipe dia of 165mm dia & 1 mtr long with cast iron reducer joining with 101mm OD straight pipe. Pole shall be mounted on square base plate. Decorative Cascade bracket with 940mm height mounted on pole. Pole and two brackets at differential height shall be galvanized and painted with PU paint in closed paint chamber with heating treatment in chamber. Make: Surya				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.03 (2nd R.A Bill Qty)	50.000			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.08 (3rd R.A Bill Qty)	15.000			
	Total	**65.000**	**Nos**	**Rs. 64,000.00**	**Rs. 41,60,000.00**
2.02	Supply of Decorative Luminaires for Urban lighting, body made of painted spun aluminum, The protector is made of polycarbonate grade UVresistant (IK 08), Permanently sealed optical compartment with IP66 protection. Luminaire offers tool free access to gear compartment with IP44 protection. Luminaire can be installed as a suspended luminaire. The luminaire is equipped with the LensoFlex2® technology photometric system. PMMA lenses with wide photometry for increased pole spacing. Fixture is having a surge protection of 10KA. Electronic driver is having power factor>0.90*, THD<20*% and input voltage range from 120-227V AC at 50Hz. Luminaire efficacy is 100 im/ watt system lumen greater than 7500 lumens in CCT range of 4000 as per ANSI. System life of 50000 burning hours with 70% of initial lumens maintained. Luminaire is suitable for operating temperature (Ta) from -20 to 50c. Driver can withstand 320V AC for 48 hours and 360V AC for 2 hours.				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.03 (2nd R.A Bill Qty)	50.000			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.09 (3rd R.A Bill Qty)	15.000			
	Total	**65.000**	**Nos**	**Rs. 40,000.00**	**Rs. 26,00,000.00**
2.03	Supply of Decorative Luminaires for Urban lighting, body made of painted spun aluminum, The protector is made of polycarbonate grade UVresistant (IK 08), Permanently sealed optical compartment with IP66 protection. Luminaire offers tool free access to gear compartment with IP44 protection. Luminaire can be installed as a suspended luminaire. The luminaire is equipped with the LensoFlex2® technology photometric system. PMMA lenses with wide photometry for increased pole spacing. Fixture is having a surge protection of 10KA. Electronic driver is having power factor>0.90*, THD<20*% and input voltage range from 120-227V AC at 50Hz. Luminaire efficacy is 100 im/ watt system lumen greater than 7500 lumens in CCT range of 4000 as per ANSI. System life of 50000 burning hours with 70% of initial lumens maintained. Luminaire is suitable for operating temperature (Ta) from -20 to 50c. Driver can withstand 320V AC for 48 hours and 360V AC for 2 hours. Make: Surya SLE PT 40W VEGA				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.04 (2nd R.A Bill Qty)	50.000			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.09 (3rd R.A Bill Qty)	15.000			
	Total	**65.000**	**Nos**	**Rs. 33,500.00**	**Rs. 21,77,500.00**

2.04	Providing of XLPE (IS:7098) (I)-88 ISI armoured cable multistrand Aluminium conductor for 1.1 KV. to be				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.04 (2nd R.A Bill Qty)	1500.000	1950.000 x 275		536250.00
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.09 (3rd R.A Bill Qty)	1500.000	1020.00 x 206.25		216562.50
	Total	**3000.000**	**Mtr**	**Rs. 275.00**	**Rs. 8,25,000.00**
2.05	Supply of 50mm DWC pipes of approved make for covering of cable.				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.04 (2nd R.A Bill Qty)	1200.000	1560.00 x 230		358800
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.10 (3rd R.A Bill Qty)	1200.000	840.00 x 172.50		144900
	Total	**2400.000**	**Mtr**	**Rs. 230.00**	**Rs. 5,52,000.00**
2.06	Supply of Flexible PVC insulated multistrand multicore 1.1 kv grade ISI marked copper wires of following size to be erected as directed 1.50 Sq.mm 3 core round PVC sheathed.				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.04 (2nd R.A Bill Qty)	700.000		910.00 x 255/-	232050
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.10 (3rd R.A Bill Qty)	700.000		490.00 x 191.25	93712.50
	Total	**1400.000**	**Mtr**	**Rs. 255.00**	**Rs. 3,57,000.00**
3	**SUB HEAD : Installation, Testing and Commissioning of Streetlight System**				
3.01	Installation of 8 mtr Decorative Pole including excavation and constructing M-20/1:2:4 cement concrete foundation of size 45 x 45 x 120 cms. Deep as directed by Engineer-in-charge.				
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.17 (9th R.A Bill Qty)	15.000			
	Qty b/f CMB No.285/EE-III/SWM/MC/2021-22 vide page no.10 (10th R.A Bill Qty)	1.000			
	Total	**16.000**	**Nos**	**Rs. 5,550.00**	**Rs. 88,800.00**
3.02	Installation, Testing and Commissioning of 75/40 watt Decorative LED Luminaries.				
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.17 (9th R.A Bill Qty)	30.000			
	Total	**30.000**	**Nos**	**Rs. 700.00**	**Rs. 21,000.00**
3.03	Excavation and laying of DWC pipe at a 90 mm below the ground level/level below PCC in Jogging trek. Item includes refilling of the same trench.				
	Qty b/f CMB No.285/EE-III/SWM/MC/2021-22 vide page no.10 (10th R.A Bill Qty)	540.500			
	Qty b/f CMB No.302/EE-III/SWM/MC/2021-22 vide page no.10 (12th R.A Bill Qty)	80.650			
	Total	**621.150**	**Mtr**	**Rs. 325.00**	**Rs. 2,01,873.75**
3.04	Laying of 4x16 Sqmm Aluminium armoured cable in existing laid DWC pipe/on wall.				
	Qty b/f CMB No.285/EE-III/SWM/MC/2021-22 vide page no.10 (10th R.A Bill Qty)	500.460			
	Total	**500.460**	**Mtr**	**Rs. 60.00**	**Rs. 30,027.60**
3.05	Erecting of 3 core 1.5 sqmm copper flexible cable in pole from junction box to Luminaries				
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.17 (9th R.A Bill Qty)	300.000			
	Total	**300.000**	**Nos**	**Rs. 42.00**	**Rs. 12,600.00**

	EXTRA ITEM				
1.00	To provide structural design analysis with strucutal reinforcement details for construction of siutable wall section for the proposed construction of sea wall in front of Girls School along with the sea coast to a height of 3.00 mtrs suggesting appropriate section, designing of section and supply of detailed working drawings in CAD format 04 sets of CD and also vetted by any reconginised engineering college by Govt of India complete.				
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.17 (9th R.A Bill Qty)	1.000			
	Total	**1.000**	**Nos**	**Rs. 69,620.00**	**Rs. 69,620.00**
2.00	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including getting out and disposal of excavated earth lead upto 50 m and lift upto 1.5 m, as directed by Engineer-in-charge. All kinds of soil.				
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.17 (9th R.A Bill Qty)	4739.630			
	Total	**4739.630**	**Cum**	**Rs. 242.00**	**Rs. 11,46,990.46**
3.00	Carriage of Materials by mechanical transport including loading, unloading and stacking of earth for a lead of 05 kms.				
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.17 (9th R.A Bill Qty)	4739.630			
	Total	**4739.630**	**Cum**	**Rs. 228.23**	**Rs. 10,81,725.75**
4.00	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m.				
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.17 (9th R.A Bill Qty)	4667.865			
	Total	**4667.865**	**Cum**	**Rs. 197.00**	**Rs. 9,19,569.41**
				Total Workdone Amount	**Rs. 7,75,79,903.19**
	Secured Advance against the materials brought at site			332,297.9	77247606
1.09	**Material Laying at site - Steel** TMT bars of size 8mm, 10mm, 12mm, 16mm and 20mm restricted to 90% of element cost	**216020.00**	**Kg**	**Rs. 49.50**	**Rs. 1,06,92,990.00**
					87940596.00
				Total Gross Value	**Rs. 8,82,72,893.19**
				Paid in 2nd RA Bill	**Rs. 1,90,24,930.00**
				Paid in 3rd RA Bill	**Rs. 1,43,69,518.00**
				Paid in 4th RA Bill	**Rs. 24,20,254.00**
				Paid in 5th RA Bill	**Rs. 24,26,737.00**
				Paid in 6th RA Bill	**Rs. 23,79,507.00**
				Paid in 7th RA Bill	**Rs. 24,34,807.00**
				Paid in 8th RA Bill	**Rs. 24,81,634.00**
				Paid in 9th RA Bill	**Rs. 2,50,54,173.00**
				Paid in 10th RA Bill	**Rs. 24,85,858.00**
				Paid in 11th RA Bill	**Rs. 24,78,212.00**
				Paid in 12th RA Bill	**Rs. 24,91,524.00**
				Paid in 13th RA Bill	**Rs. 24,63,149.00**
				Paid in 14th RA Bill	**Rs. 24,73,556.00**
		85467057/-		**Paid in 15th RA Bill**	**Rs. 24,83,197.00**
				Gross Value of 16th RA Bill	**Rs. 28,05,837.19**
				2473580/- **SAY**	**Rs. 28,05,837.00**

	RECOVERY DETAILS				2473539/- (2473540)
				Gross Value (A)	Rs. 28,05,837.00
(i)	Mobilization Advance reduction for 5) BG No. 86/2020 amounting to Rs.10,97,000/- for advance of Rs.9,97,512/-				Rs. 9,97,512.00
(ii)	Schedule B Aggregates (-)	2845961.00			
	a) Already recovered in 3rd RA Bill	1225808.00			
	b) Already recovered in 4th RA Bill	224120.00			
	c) Already recovered in 5th RA Bill	216190.00			
	d) Already recovered in 6th RA Bill	201532.00			
	e) Already recovered in 7th RA Bill	239032.00			
	f) Already recovered in 8th RA Bill	241859.00			
	g) Already recovered in 9th RA Bill	497420.00			
	h) Already recovered in 10th RA Bill	0.00			
	i) Already recovered in 11th RA Bill	0.00			
	j) Already recovered in 12th RA Bill	0.00			
	k) Already recovered in 13th RA Bill	0.00			
	l) Already recovered in 14th RA Bill	0.00			
	m) Already recovered in 15th RA Bill	0.00			
	n) To be recovered in this bill	Rs. 0.00			Rs. 0.00
(iii)	Material Laying at site - Steel	7519762.00			
	a) Already recovered in 3rd RA Bill	1601924.00			
	b) Already recovered in 4th RA Bill	324012.00			
	c) Already recovered in 5th RA Bill	424990.00			
	d) Already recovered in 6th RA Bill	399197.00			
	e) Already recovered in 7th RA Bill	364686.00			
	f) Already recovered in 8th RA Bill	217034.00			
	g) Already recovered in 9th RA Bill	2160074.00			
	h) Already recovered in 10th RA Bill	330719.00			
	i) Already recovered in 11th RA Bill	400216.00			
	j) Already recovered in 12th RA Bill	471436.00			
	k) Already recovered in 13th RA Bill	301802.00			
	l) Already recovered in 14th RA Bill	0.00			
	m) Already recovered in 15th RA Bill	167267.00			
	n) To be recovered in this bill	Rs. 3,56,405.00			Rs. 3,56,405.00
(iv)	Security deposit @ 2.5% on Total Gross Value	2206822.33	2198515		
	a) Already recovered in 2nd RA Bill	475623.00			
	b) Already recovered in 3rd RA Bill	359238.00			
	c) Already recovered in 4th RA Bill	60506.55			
	d) Already recovered in 5th RA Bill	60668.39			
	e) Already recovered in 6th RA Bill	59487.70			
	f) Already recovered in 7th RA Bill	60870.19			
	g) Already recovered in 8th RA Bill	62041.00			
	h) Already recovered in 9th RA Bill	626354.00	2136677/-		
	i) Already recovered in 10th RA Bill	62146.00			
	j) Already recovered in 11th RA Bill	61955.00			
	k) Already recovered in 12th RA Bill	62288.00			
	l) Already recovered in 13th RA Bill	61579.00			
	m) Already recovered in 14th RA Bill	61839.00			61838/- (61839)
	n) Already recovered in 15th RA Bill	62080.00			
	o) To be recovered in this bill	Rs. 70,146.00			Rs. 70,146.00

(v)	IT @ 2% on Total Gross Value	1265457.86	17 58 813/-		
	a) Already recovered in 1st RA Bill	99751.00			
	b) Already recovered in 2nd RA Bill	380499.00			
	c) Already recovered in 3rd RA Bill	287390.00			
	d) Already recovered in 4th RA Bill	48405.08			
	e) Already recovered in 5th RA Bill	-51216.33			
	f) Already recovered in 6th RA Bill	47590.16	1709342/-		
	g) Already recovered in 7th RA Bill	48696.15			
	h) Already recovered in 8th RA Bill	49633.00			
	i) Already recovered in 9th RA Bill	501083.00			
	j) Already recovered in 10th RA Bill	49717.00			
	k) Already recovered in 11th RA Bill	49564.00			
	l) Already recovered in 12th RA Bill	49830.00			
	m) Already recovered in 13th RA Bill	49263.00			
	n) Already recovered in 14th RA Bill	49471.00			
	o) Already recovered in 15th RA Bill	49664.00			49471/-
	p) To be recovered in this bill	Rs. 56,118.00			-19950/= Rs. 56,118.00
(vi)	Labour Welfare Cess @ 1% on Total Gross Value	882728.93	879408/-		29521/=
	a) Already recovered in 2nd RA Bill	190249.00			
	b) Already recovered in 3rd RA Bill	143695.00			
	c) Already recovered in 4th RA Bill	24203.02			
	d) Already recovered in 5th RA Bill	24267.35			
	e) Already recovered in 6th RA Bill	23795.09			
	f) Already recovered in 7th RA Bill	24348.07			
	g) Already recovered in 8th RA Bill	24816.00			
	h) Already recovered in 9th RA Bill	250542.00	854672/-		
	i) Already recovered in 10th RA Bill	24859.00			
	j) Already recovered in 11th RA Bill	24782.00			
	k) Already recovered in 12th RA Bill	24915.00			
	l) Already recovered in 13th RA Bill	24631.00			
	m) Already recovered in 14th RA Bill	24736.00			
	n) Already recovered in 15th RA Bill	24832.00			24735/-
	o) To be recovered in this bill	Rs. 28,058.00			Rs. 28,058.00
(vii)	UGST @ 1% on Total Gross Value	882728.93	879406/50		
	a) Already recovered in 1st RA Bill	49875.50			
	b) Already recovered in 2nd RA Bill	190249.50			
	c) Already recovered in 3rd RA Bill	143695.00			
	d) Already recovered in 4th RA Bill	24202.52			
	e) Already recovered in 5th RA Bill	-25608.15			
	f) Already recovered in 6th RA Bill	23795.09			
	g) Already recovered in 7th RA Bill	24348.07	854671/-		
	h) Already recovered in 8th RA Bill	24816.00			
	i) Already recovered in 9th RA Bill	250542.00			
	j) Already recovered in 10th RA Bill	24859.00			
	k) Already recovered in 11th RA Bill	24782.00			
	l) Already recovered in 12th RA Bill	24915.00			24735.50
	m) Already recovered in 13th RA Bill	24631.00			9975.00
	n) Already recovered in 14th RA Bill	24736.00			14760.50
	o) Already recovered in 15th RA Bill	24832.00			24735
	p) To be recovered in this bill	Rs. 28,058.00			Rs. 28,058.00

(viii)	CGST @ 1% on Total Gross Value	882728.93		
	a) Already recovered in 1st RA Bill	49875.50		
	b) Already recovered in 2nd RA Bill	190249.50		
	c) Already recovered in 3rd RA Bill	143695.00		
	d) Already recovered in 4th RA Bill	24202.52		
	e) Already recovered in 5th RA Bill	25608.15		
	f) Already recovered in 6th RA Bill	23795.09		
	g) Already recovered in 7th RA Bill	24348.07		
	h) Already recovered in 8th RA Bill	24816.00		
	i) Already recovered in 9th RA Bill	250542.00		
	j) Already recovered in 10th RA Bill	24859.00		
	k) Already recovered in 11th RA Bill	24782.00		
	l) Already recovered in 12th RA Bill	24915.00		
	m) Already recovered in 13th RA Bill	24631.00		
	n) Already recovered in 14th RA Bill	24736.00		
	o) Already recovered in 15th RA Bill	24832.00		
	p) To be recovered in this bill	Rs. 28,058.00		
			Total Recovery (B)	Rs. 15,64,355.00
			Net Amount Payable in this Bill (A-B)	Rs. 12,41,482.00
			Says	Rs. 12,41,482.00

Net Amount in words:- (Rupees Twelve Lakhs Forty One Thousand Four Hundred Eighty-Two Only)

Certified that:-

1. The work has been executed as per terms and conditions of the agreement.
2. No material and T & P has been issued from the Department.
3. Own arrangements for water has been made.
4. No Labour Complaints has been received.
5. Requisite technical staff has been employed as per agreement.
6. Up to date recoveries have been effected in this bill.
7. All Mandatory Test have been conducted.

Signature of the Contractor

Signature of the AE

Signature of the EE (Works)

Ref. Page No. 01 to 16 of TMB:

Authority :- 01 (PBSPL) of 2020-2021

W.O.W :- Marine esplanade.- Marine road restructuring will Uniform carriage way, walking track, street lighting, street furniture, service core trenching and land scaping.

Agency :- M/s Surendra Infrastructure (P) Ltd.

Total Gross value of work done → 8,79,40,596/=
Already paid up to 15th RA Bill → 8,54,67,057/=
Gross value of 16th RA Bill → 2473539/=

Ded

(i) S/deposit @ 2.5% on GIV → 2198515/=
Already deducted up to 15th RA Bill → 2136677/=
now to be deducted → 61838/=

(ii) I/Tax @ 2% on GIV → 1758813/-
Already deducted up to 15th RA Bill → 1709342/=
now to be deducted → 49471/=
I/T deduction to be adjusted less → (-) 19950/=
Rec. of mobilization advance of -
₹=997512/-(BG No. 85/2020
amounting to ₹=1097000/- for advance
of ₹=997512/=)
Actual I/T to be deducted now → 29521/-

(iii) Labour cess @ 1% on GIV. → 879407/=
Already deducted up to 15th RA Bill → 854672/=
now to be deducted. → 24735/=

Cont-15

Secured Advance against the materials brought at site

e of Work:- **Marine esplanade: Marina road restructuring with uniform carriage way, walking k, street lighting, street furniture, service core trenching and land scaping.**

cement No :- 01 (PBSPL) of 2020-21

ctor :- M/s. Surendra Infrastructure (P) Ltd.

ial no of this bill :- 16th RA Bill

S.No	Sch Item No.	Description of Items	Quantity	Unit	Rate Allowed	Amount
1	1.09	Steel TMT Bars	151914.376	Kgs	49.50	7519761.612
					Total Amount	**7519761.61**
					Says	**7519762.00**

Junior Engineer-III (Works)
PBMC

(iv) TDS on GST @ 2% on Gr → 1758813/-
Already deducted upto 15th RA Bill → 1709342/-
Now to be deducted → 49471/-
IT deduction to be adjusted less → (-) 1950/-
Rec. of mob. adv. of ₹=997512/-
(BG No. 85/2020 amounting ₹=1097000/-
for adv. of ₹=997512/-)
Actual TDS to be deducted now → 29521/-

(v) Material laying at site-Steel → 7519762/-
Already deducted upto 15th RA Bill → 7163357/-
Now to be deducted. → 356405/-

(vi) Mobilization advance Recovery → 997512/-
BG No. 86/2020 amounting to
₹=1097000/- for ₹=997512/-

Cont-VII

Total deduction for ₹ ⟶ 1499532/=

Net payable Amount ₹ ⟶ 974007/=

passed for ₹= 24,73,539/= (Rupees Twenty four lakhs Seventy three thousand five hundred thirty nine only)

Executive Engineer – III (NOKs)
Municipal Council
Port Blair

payment released for ₹= 974007/=

लेखा अधिकारी
ACCOUNTS OFFICER – III
नगरपालिका परिषद
Municipal Council
पोर्ट ब्लेयर / Port Blair

THEORETICAL STATEMENT

Name of Work:- **Marine esplanade: Marina road restructuring with uniform carriage way, walking track, street lighting, street furniture, service core trenching and land scaping.**

Agreement No :- 01 (PBSPL) of 2020-21

Agency :- M/s. Surendra Infrastructure (P) Ltd.

Serial no of this bill :- 16th RA Bill

S.No	Sch Item No.	Description of Items	Quantity	Unit	Coefficient	Quantity
1	1.04	**PCC 1:4:8**	9.280	Cum		
		Cement		Bags	3.410	31.645
		Pulverised Sand		Cum	0.470	4.362
		Stone aggregates 40mm		Cum	0.950	8.816
2	1.08	**M-40**	95.532	Cum		
		Cement		Bags	8.840	844.503
		Pulverised Sand		Cum	0.454	43.372
		Stone aggregates 20mm		Cum	0.277	26.462
		Stone aggregates 12.5mm		Cum	0.415	39.646

Junior Engineer-III (Works)

PBMC

Division:- Executive Engineer-III (SWM/MC), Port Blair Municipal Council, Port Blair

(17th R.A BILL)

COMPUTERIZED MEASUREMENT BOOK

(DETAILS OF ABSTRACT)

CMB No:- 314/EE-III/SWM/MC/2021-22

Name of Work: - Marine esplanade: Marina road restructuring with uniform carriage way, walking track, street lighting, street furniture, service core trenching and land scaping.

Name of Contractor: - M/s. Surendra Infrastructure (P) Ltd.

Agreement No.: - 01 (PBSPL) of 2020-2021

Certified that this Computerized measurement book bearing no.314/EE-III/SWM/MC/2021-22 contains 15 leaves serially numbered from pages 01 to 15 and two blank pages without any damage.

Signature of
Contractor

Signature of
Assistant Engineer

Signature of
Executive Engineer

ABSTRACT OF COST

(17th R.A Bill)

Name of Work:- Marine esplanade: Marina road restructuring with uniform carriage way, walking track, street lighting, street furniture, service core trenching and land scaping.

Agreement No. :- 01 (PBSPL) of 2020-2021

Name of Agency :- M/s. Surendra Infrastructure (P) Ltd.

Date of Commencement:- 07.12.2020

Date of Completion:- In Progress

Reference to previous measurement, if any :- NIL

Serial no. of this bill :- 17th RA Bill

CMB no. of this bill :- 314/EE-III/SWM/MC/2021-22

Date of Abstract:-

Item No.	Particulars	Quantity	Unit	Rate	Amount
1	**CIVIL WORKS**				
1.01	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m. a) All kinds of soil.				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.01 (2nd R.A Bill Qty)	17.617			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.01 (3rd R.A Bill Qty)	139.362			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.01 (4th R.A Bill Qty)	54.283			
	Qty b/f CMB No.267/EE-III/SWM/MC/2020-21 vide page no.01 (8th R.A Bill Qty)	69.113			
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.01 (9th R.A Bill Qty)	2902.781			
	Total	**3183.156**	**Cum**	**Rs. 225.00**	**Rs. 7,16,210.10**
1.02	Excavation work by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m. Hard rock (blasting prohibited)				
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.01 (9th R.A Bill Qty)	242.226			
	Total	**242.226**	**Cum**	**Rs. 500.00**	**Rs. 1,21,113.00**
.03	Filling with available pulverised sand				
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.01 (9th R.A Bill Qty)	144.052			
	Qty b/f CMB No.287/EE-III/SWM/MC/2021-22 vide page no.01 (11th R.A Bill Qty)	15.969			
	Total	**160.021**	**Cum**	**Rs. 3,400.00**	**Rs. 5,44,071.40**

1.04	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:4:8 (1 Cement : 4 coarse sand (Zone III) : 8 graded stone aggregate 40 mm nominal size)				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.01 (2nd R.A Bill Qty)	11.242			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.02 (3rd R.A Bill Qty)	85.005			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.01 (4th R.A Bill Qty)	11.369			
	Qty b/f CMB No.235/EE-III/SWM/MC/2020-21 vide page no.01 (5th R.A Bill Qty)	8.928			
	Qty b/f CMB No.241/EE-III/SWM/MC/2020-21 vide page no.01 (6th R.A Bill Qty)	2.864			
	Qty b/f CMB No.243/EE-III/SWM/MC/2020-21 vide page no.01 (7th R.A Bill Qty)	13.392			
	Qty b/f CMB No.267/EE-III/SWM/MC/2020-21 vide page no.02 (8th R.A Bill Qty)	15.993			
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.02 (9th R.A Bill Qty)	194.516			
	Qty b/f CMB No.287/EE-III/SWM/MC/2021-22 vide page no.02 (11th R.A Bill Qty)	15.969			
	Qty b/f CMB No.308/EE-III/SWM/MC/2021-22 vide page no.06 (15th R.A Bill Qty)	4.464	292	318 × 9250/-	
	Qty b/f CMB No.312/EE-III/SWM/MC/2021-22 vide page no.02 (16th R.A Bill Qty)	9.280	80	304 × 9250/-	
	Total	**373.022**	**Cum**	**Rs. 9,250.00**	**Rs. 34,50,453.50**
1.05	Providing and laying in position machine batched and machine mixed design mix M-25 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying but excluding the cost of centering, shuttering, finishing and reinforcement, including admixtures in recommended proportions as per IS: 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer-in-charge."(Note :- Cement content considered in this item is @ 330 kg/cum."Excess/ less cement used as per design mix is payable/recoverable separately). All works upto plinth level				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.01 (2nd R.A Bill Qty)	10.528			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.03 (3rd R.A Bill Qty)	320.952			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.02 (4th R.A Bill Qty)	59.176			
	Qty b/f CMB No.235/EE-III/SWM/MC/2020-21 vide page no.02 (5th R.A Bill Qty)	58.454			
	Qty b/f CMB No.241/EE-III/SWM/MC/2020-21 vide page no.02 (6th R.A Bill Qty)	16.382			
	Qty b/f CMB No.243/EE-III/SWM/MC/2020-21 vide page no.02 (7th R.A Bill Qty)	74.954			
	Qty b/f CMB No.267/EE-III/SWM/MC/2020-21 videpage no.02 (8th R.A Bill Qty)	81.964			
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.04 (9th R.A Bill Qty)	310.818			

	Qty b/f CMB No.302/EE-III/SWM/MC/2021-22 vide page no.02 (12th R.A Bill Qty)	11.773			
	Qty b/f CMB No.308/EE-III/SWM/MC/2021-22 vide page no.06 (15th R.A Bill Qty)	29.227			
	Qty b/f CMB No.312/EE-III/SWM/MC/2021-22 vide page no.03 (16th R.A Bill Qty)	60.496			
	Total	**1034.724**	**Cum**	**Rs. 11,000.00**	**Rs. 1,13,81,964.00**
1.06	Extra for laying RCC in or under water and/or liquid mud, including cost of pumping or bailing out water and removing slush etc., complete.				
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.03 (3rd R.A Bill Qty)	320.702			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.02 (4th R.A Bill Qty)	80.263			
	Qty b/f CMB No.235/EE-III/SWM/MC/2020-21 vide page no.2 (5th R.A Bill Qty)	89.103			
	Qty b/f CMB No.241/EE-III/SWM/MC/2020-21 vide page no.02 (6th R.A Bill Qty)	24.914			
	Qty b/f CMB No.243/EE-III/SWM/MC/2020-21 vide page no.02 (7th R.A Bill Qty)	110.070			
	Qty b/f CMB No.267/EE-III/SWM/MC/2020-21 vide page no.03 (8th R.A Bill Qty)	68.142			
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.04 (9th R.A Bill Qty)	466.494			
	Qty b/f CMB No.302/EE-III/SWM/MC/2021-22 vide page no.03 (12th R.A Bill Qty)	17.265			
	Qty b/f CMB No.308/EE-III/SWM/MC/2021-22 vide page no.08 (15th R.A Bill Qty)	44.553	202.8 x 650/-		131820/-
	Qty b/f CMB No.312/EE-III/SWM/MC/2021-22 vide page no.03 (16th R.A Bill Qty)	92.508	1111.214 x 487/50		541716/83
	Total	**1314.014**	**Cum**	**Rs. 650.00**	**Rs. 8,54,109.10**
1.07	Providing and laying in position machine batched and machine mixed design mix M-25 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying but excluding the cost of centering, shuttering, finishing and reinforcement, including admixtures in recommended proportions as per IS: 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer-in-charge."(Note :- Cement contentconsidered in this item is @ 330 kg/cum."Excess/ less cement used as per design mix is payable/recoverable separately).				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.02 (2nd R.A Bill Qty)	14.812			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.04 (3rd R.A Bill Qty)	222.185			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.03 (4th R.A Bill Qty)	52.226			
	Qty b/f CMB No.235/EE-III/SWM/MC/2020-21 vide page no.03 (5th R.A Bill Qty)	52.747			
	Qty b/f CMB No.241/EE-III/SWM/MC/2020-21 vide page no.03 (6th R.A Bill Qty)	93.837			
	Qty b/f CMB No.243/EE-III/SWM/MC/2020-21 vide page no.03 (7th R.A Bill Qty)	43.768			
	Qty b/f CMB No.267/EE-III/SWM/MC/2020-21 vide page no.03 (8th R.A Bill Qty)	45.130			
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.06 (9th R.A Bill Qty)	363.021			
	Qty b/f CMB No.285/EE-III/SWM/MC/2021-22 vide page no.04 (10th R.A Bill Qty)	45.949			

	Qty b/f CMB No.287/EE-III/SWM/MC/2021-22 vide page no.03 (11th R.A Bill Qty)	131.561			
	Qty b/f CMB No.302/EE-III/SWM/MC/2021-22 vide page no.04 (12th R.A Bill Qty)	111.481			
	Qty b/f CMB No.304/EE-III/SWM/MC/2021-22 vide page no.04 (13th R.A Bill Qty)	113.978			
	Qty b/f CMB No.308/EE-III/SWM/MC/2021-22 vide page no.08 (15th R.A Bill Qty)	22.565			
	Qty b/f CMB No.312/EE-III/SWM/MC/2021-22 vide page no.04 (16th R.A Bill Qty)	35.036			
	Total	**1348.296**	**Cum**	**Rs. 11,400.00**	**Rs. 1,53,70,574.40**
	Providing M-25 grade concrete. (Note : Cement content considered as per Design Mix M25 - 343 kg/cbm approved.				
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.05 (3rd R.A Bill Qty)	2003.625			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.03 (4th R.A Bill Qty)	389.337			
	Qty b/f CMB No.267/EE-III/SWM/MC/2020-21 vide page no.04 (8th R.A Bill Qty)	520.130			
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.06 (9th R.A Bill Qty)	334.867			
	Qty b/f CMB No.285/EE-III/SWM/MC/2021-22 vide page no.04 (10th R.A Bill Qty)	194.038			
	Qty b/f CMB No.287/EE-III/SWM/MC/2021-22 vide page no.04 (11th R.A Bill Qty)	1710.293			
	Qty b/f CMB No.302/EE-III/SWM/MC/2021-22 vide page no.04 (12th R.A Bill Qty)	1210.950			
	Qty b/f CMB No.304/EE-III/SWM/MC/2021-22 vide page no.04 (13th R.A Bill Qty)	1481.714			
	Total	**7844.954**	**Kg**	**Rs. 10.00**	**Rs. 78,449.54**
1.08	Extra for providing richer mixes at all floor levels. Note:- Excess/less cement over the specified cement content used is payable / recoverable separately. Providing M-40 grade concrete instead of M-25 grade BMC/RMC. (Note : Cement content considered in M-40 is @ 360 kg/cum)				
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.05 (3rd R.A Bill Qty)	414.336			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.03 (4th R.A Bill Qty)	81.453			
	Qty b/f CMB No.235/EE-III/SWM/MC/2020-21 vide page no.03 (5th R.A Bill Qty)	111.201			
	Qty b/f CMB No.241/EE-III/SWM/MC/2020-21 vide page no.04 (6th R.A Bill Qty)	110.218			
	Qty b/f CMB No.243/EE-III/SWM/MC/2020-21 vide page no.04 (7th R.A Bill Qty)	118.722			
	Qty b/f CMB No.267/EE-III/SWM/MC/2020-21 vide page no.04 (8th R.A Bill Qty)	75.381			
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.07 (9th R.A Bill Qty)	659.783			
	Qty b/f CMB No.285/EE-III/SWM/MC/2021-22 vide page no.04 (10th R.A Bill Qty)	31.023			
	Qty b/f CMB No.302/EE-III/SWM/MC/2021-22 vide page no.04 (12th R.A Bill Qty)	30.102			
	Qty b/f CMB No.308/EE-III/SWM/MC/2021-22 vide page no.10 (15th R.A Bill Qty)	51.792		1569.690 209.853	
	Qty b/f CMB No.312/EE-III/SWM/MC/2021-22 vide page no.05 (16th R.A Bill Qty)	95.532			
	Total	**1779.543**	**Cum**	**Rs. 320.00**	**Rs. 5,69,453.76**

	Extra for providing richer mixes M-40 grade concrete. (Note : Cement content considered as per Design Mix M40 - 442 kg/cbm approved.				
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.05 (3rd R.A Bill Qty)	33975.552			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.03 (4th R.A Bill Qty)	6679.146			
	Qty b/f CMB No.235/EE-III/SWM/MC/2020-21 vide page no.03 (5th R.A Bill Qty)	9118.482			
	Qty b/f CMB No.241/EE-III/SWM/MC/2020-21 vide page no.05 (6th R.A Bill Qty)	9037.958			
	Qty b/f CMB No.243/EE-III/SWM/MC/2020-21 vide page no.04 (7th R.A Bill Qty)	9735.204			
	Qty b/f CMB No.267/EE-III/SWM/MC/2020-21 vide page no.04 (8th R.A Bill Qty)	6181.242			
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.08 (9th R.A Bill Qty)	54102.206			
	Qty b/f CMB No.285/EE-III/SWM/MC/2021-22 vide page no.05 (10th R.A Bill Qty)	2543.886			
	Qty b/f CMB No.302/EE-III/SWM/MC/2020-21 vide page no.05 (12th R.A Bill Qty)	2468.364			
	Qty b/f CMB No.308/EE-III/SWM/MC/2021-22 vide page no.05 (15th R.A Bill Qty)	4246.944			
	Qty b/f CMB No.312/EE-III/SWM/MC/2020-21 vide page no.06 (16th R.A Bill Qty)	7833.624			
	Total	**145922.608**	**Kg**	**Rs. 10.00**	**Rs. 14,59,226.08**
1.09	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level. A) Thermo-Mechanically Treated bars of grade Fe-500D or more.				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.02 (2nd R.A Bill Qty)	1051.813			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.05 (3rd R.A Bill Qty)	31310.281			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.04 (4th R.A Bill Qty)	6545.698			
	Qty b/f CMB No.235/EE-III/SWM/MC/2020-21 vide page no.04 (5th R.A Bill Qty)	8585.653			
	Qty b/f CMB No.241/EE-III/SWM/MC/2020-21 vide page no.06 (6th R.A Bill Qty)	8064.591			
	Qty b/f CMB No.243/EE-III/SWM/MC/2020-21 vide page no.04 (7th R.A Bill Qty)	7367.385			
	Qty b/f CMB No.267/EE-III/SWM/MC/2020-21 vide page no.05 (8th R.A Bill Qty)	4384.528			
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.10 (9th R.A Bill Qty)	43637.869			
	Qty b/f CMB No.285/EE-III/SWM/MC/2021-22 vide page no.05 (10th R.A Bill Qty)	6681.193			
	Qty b/f CMB No.287/EE-III/SWM/MC/2021-22 vide page no. (11th R.A Bill Qty)	8085.169			
	Qty b/f CMB No.302/EE-III/SWM/MC/2021-22 vide page no.06 (12th R.A Bill Qty)	9523.962			
	Qty b/f CMB No.304/EE-III/SWM/MC/2021-22 vide page no.06 (13th R.A Bill Qty)	6097.007			
	Qty b/f CMB No.308/EE-III/SWM/MC/2021-22 vide page no.03 (15th R.A Bill Qty)	3379.127			
	Qty b/f CMB No.312/EE-III/SWM/MC/2021-22 vide page no.07 (16th R.A Bill Qty)	7200.099			
	Total	**151914.376**	**Kg**	**Rs. 91.00**	**Rs. 1,38,24,208.22**

1.1	12 mm plaster 1:4				
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.10 (9th R.A Bill Qty)	1672.905			
	Qty b/f CMB No.308/EE-III/SWM/MC/2021-22 vide page no.10 (15th R.A Bill Qty)	264.920			
	Qty b/f CMB No.312/EE-III/SWM/MC/2021-22 vide page no.07 (16th R.A Bill Qty)	277.500			
		2215.325	**Sqm**	**Rs. 370.00**	**Rs. 8,19,670.25**
1.11	Centering and shuttering including strutting, propping etc. and removal of form work for : Foundations, footings, bases for columns				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.02 (2nd R.A Bill Qty)	50.400			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.07 (3rd R.A Bill Qty)	267.000			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.04 (4th R.A Bill Qty)	23.630			
	Qty b/f CMB No.235/EE-III/SWM/MC/2020-21 vide page no.04 (5th R.A Bill Qty)	26.800			
	Qty b/f CMB No.241/EE-III/SWM/MC/2020-21 vide page no.06 (6th R.A Bill Qty)	11.320			
	Qty b/f CMB No.243/EE-III/SWM/MC/2020-21 vide page no.05 (7th R.A Bill Qty)	40.200			
	Qty b/f CMB No.267/EE-III/SWM/MC/2020-21 vide page no.05 (8th R.A Bill Qty)	30.480			
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.11 (9th R.A Bill Qty)	149.200			
	Qty b/f CMB No.308/EE-III/SWM/MC/2021-22 vide page no.06 (15th R.A Bill Qty)	13.400			
	Qty b/f CMB No.312/EE-III/SWM/MC/2021-22 vide page no.07 (16th R.A Bill Qty)	32.160			
	Total	**644.590**	**Sqm**	**Rs. 340.00**	**Rs. 2,19,160.60**
1.12	Centering and shuttering including strutting, propping etc. and removal of form work for : Retaining walls, return walls, walls (any thickness) including attached pilasters, butteresses, plinth and string courses fillets, kerbs and steps etc.				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.02 (2nd R.A Bill Qty)	142.478			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.08 (3rd R.A Bill Qty)	1784.236			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.04 (4th R.A Bill Qty)	542.815			
	Qty b/f CMB No.235/EE-III/SWM/MC/2020-21 vide page no.05 (5th R.A Bill Qty)	234.276			
	Qty b/f CMB No.241/EE-III/SWM/MC/2020-21 vide page no.07 (6th R.A Bill Qty)	383.468			
	Qty b/f CMB No.243/EE-III/SWM/MC/2020-21 vide page no.05 (7th R.A Bill Qty)	197.338			
	Qty b/f CMB No.267/EE-III/SWM/MC/2020-21 vide page no.06 (8th R.A Bill Qty)	604.812			
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.13 (9th R.A Bill Qty)	1768.461			
	Qty b/f CMB No.285/EE-III/SWM/MC/2021-22 vide page no.07 (10th R.A Bill Qty)	200.384			
	Qty b/f CMB No.287/EE-III/SWM/MC/2021-22 vide page no.06 (11th R.A Bill Qty)	41.326			

	Qty b/f CMB No.302/EE-III/SWM/MC/2021-22 vide page no.07 (12th R.A Bill Qty)	224.870			
	Qty b/f CMB No.304/EE-III/SWM/MC/2021-22 vide page no.07 (13th R.A Bill Qty)	880.680			
	Qty b/f CMB No.308/EE-III/SWM/MC/2021-22 vide page no.07 (15th R.A Bill Qty)	101.159			
	Qty b/f CMB No.312/EE-III/SWM/MC/2021-22 vide page no.08 (16th R.A Bill Qty)	174.256			
	Total	**6840.159**	**Sqm**	**Rs. 570.00**	**Rs. 38,98,890.63**
1.13	Centering and shuttering including strutting, propping etc. and removal of form for all heights : Extra for centering and shutttering items)				
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.05 (4th R.A Bill Qty)	50.597			
	Qty b/f CMB No.235/EE-III/SWM/MC/2020-21 vide page no.05 (5th R.A Bill Qty)	37.948			
	Qty b/f CMB No.241/EE-III/SWM/MC/2020-21 vide page no.07 (6th R.A Bill Qty)	59.749			
	Qty b/f CMB No.243/EE-III/SWM/MC/2020-21 vide page no.05 (7th R.A Bill Qty)	12.649			
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.13 (9th R.A Bill Qty)	138.574			
	Qty b/f CMB No.285/EE-III/SWM/MC/2021-22 vide page no.07 (10th R.A Bill Qty)	37.948			
	Qty b/f CMB No.302/EE-III/SWM/MC/2021-22 vide page no.07 (12th R.A Bill Qty)	8.786			
	Total	**346.251**	**Sqm**	**Rs. 150.00**	**Rs. 51,937.65**
1.16	Providing and fixing FRP Pultruded hand rail with PU coating with 50x50x6mm post, top ergonomic hand rail 70x65x4mm mild omega shaped 80x4mm Toe/knee plate 80x3 mm with FRP Foot mount & SS 316 L fasterners Height 600mm AND FRP post at every 1.5 meter as per the direction of the engineer in charge.				
	Qty b/f CMB No.304/EE-III/SWM/MC/2021-22 vide page no.16 (13th R.A Bill Qty)	63.200			
	Qty b/f CMB No.306/EE-III/SWM/MC/2021-22 vide page no.07 (14th R.A Bill Qty)	90.000			
	Qty b/f CMB No.308/EE-III/SWM/MC/2021-22 vide page no.07 (15th R.A Bill Qty)	140.000			
	Qty b/f CMB No.313/EE-III/SWM/MC/2021-22 vide page no.01 (17th R.A Bill Qty)	580.000			
	Total	**293.200**	**meter**	**Rs. 5,600.00**	**Rs. 16,41,920.00**
		580.000	**meter**	**Rs. 4,200.00**	**Rs. 24,36,000.00**
1.17	Providing and laying factory made chamfered edge Cement Concrete paver blocks in foot path, park & lawns driveway or light & traffic parking etc. of required strength, thickness & size/shape, made by table vibratory method using PU mould, laid in required colour & pattern over 50 mm thick compacted bed of course sand, compacting and proper embedding/laying of inter locking paver blocks unto the sand bedding layer through vibratory compaction by using plate vibrator, filling the joints with sand and cutting of paver blocks as per required size and pattern, finishing and sweeping extra sand, all complete as per manufacturer's specifications & direction of Engineer-in-Charge. 80mm thick Cement concrete paver block of M-35				
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.14 (9th R.A Bill Qty)	1898.814			

	Qty b/f CMB No.285/EE-III/SWM/MC/2021-22 vide page no.07 (10th R.A Bill Qty)	828.519			
	Qty b/f CMB No.306/EE-III/SWM/MC/2021-22 vide page no.07 (14th R.A Bill Qty)	856.339			
	Qty b/f CMB No.308/EE-III/SWM/MC/2021-22 vide page no.11 (15th R.A Bill Qty)	230.725			
	Qty b/f CMB No.312/EE-III/SWM/MC/2021-22 vide page no.09 (16th R.A Bill Qty)	130.800			
	Total	**3545.188**	**Sqm**	**Rs. 2,300.00**	**Rs. 81,53,932.40**
1.19	Demolishing R.C.C. work manually/ by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge.				
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.14 (9th R.A Bill Qty)	28.211			
	Total	**28.211**	**Cum**	**Rs. 1,100.00**	**Rs. 31,032.10**
1.2	Demolishing cement concrete manually/ by mechanical means and disposal of material within 50 metres lead as per direction of Engineerin-charge. cum Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix)				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.03 (2nd R.A Bill Qty)	2.963			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.08 (3rd R.A Bill Qty)	65.457			
	Qty b/f CMB No.267/EE-III/SWM/MC/2020-21 vide page no.07 (8th R.A Bill Qty)	21.475			
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.14 (9th R.A Bill Qty)	43.554			
	Qty b/f CMB No.304/EE-III/SWM/MC/2021-22 vide page no.09 (13th R.A Bill Qty)	2.892			
	Total	**136.341**	**Cum**	**Rs. 1,100.00**	**Rs. 1,49,975.10**
2	**ELECTRICAL WORKS**				
2.01	Supply of 8 Mtr. height decorative Chatsworth pole having cast iron decorative base and pipe dia of 165mm dia & 1 mtr long with cast iron reducer joining with 101mm OD straight pipe. Pole shall be mounted on square base plate. Decorative Cascade bracket with 940mm height mounted on pole. Pole and two brackets at differential height shall be galvanized and painted with PU paint in closed paint chamber with heating treatment in chamber, Make: Surya				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.03 (2nd R.A Bill Qty)	50.000			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.08 (3rd R.A Bill Qty)	15.000			
	Total	**65.000**	**Nos**	**Rs. 64,000.00**	**Rs. 41,60,000.00**

2.02	Supply of Decorative Luminaires for Urban lighting, body made of painted spun aluminum, The protector is made of polycarbonate grade UVresistant (IK 08), Permanently sealed optical compartment with IP66 protection. Luminaire offers tool free access to gear compartment with IP44 protection. Luminaire can be installed as a suspended luminaire. The luminaire is equipped with the LensoFlex2® technology photometric system. PMMA lenses with wide photometry for increased pole spacing. Fixture is having a surge protection of 10KA. Electronic driver is having power factor>0.90*, THD<20*% and input voltage range from 120-227V AC at 50Hz. Luminaire efficacy is 100 im/ watt system lumen greater than 7500 lumens in CCT range of 4000 as per ANSI. System life of 50000 burning hours with 70% of initial lumens maintained. Luminaire is suitable for operating temperature (Ta) from -20 to 50c. Driver can withstand 320V AC for 48 hours and 360V AC for 2 hours.				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.03 (2nd R.A Bill Qty)	50.000			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.09 (3rd R.A Bill Qty)	15.000			
	Total	**65.000**	**Nos**	**Rs. 40,000.00**	**Rs. 26,00,000.00**
2.03	Supply of Decorative Luminaires for Urban lighting, body made of painted spun aluminum, The protector is made of polycarbonate grade UVresistant (IK 08), Permanently sealed optical compartment with IP66 protection. Luminaire offers tool free access to gear compartment with IP44 protection. Luminaire can be installed as a suspended luminaire. The luminaire is equipped with the LensoFlex2® technology photometric system. PMMA lenses with wide photometry for increased pole spacing. Fixture is having a surge protection of 10KA. Electronic driver is having power factor>0.90*, THD<20*% and input voltage range from 120-227V AC at 50Hz. Luminaire efficacy is 100 im/ watt system lumen greater than 7500 lumens in CCT range of 4000 as per ANSI. System life of 50000 burning hours with 70% of initial lumens maintained. Luminaire is suitable for operating temperature (Ta) from -20 to 50c. Driver can withstand 320V AC for 48 hours and 360V AC for 2 hours. Make: Surya SLE PT 40W VEGA				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.04 (2nd R.A Bill Qty)	50.000			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.09 (3rd R.A Bill Qty)	15.000			
	Total	**65.000**	**Nos**	**Rs. 33,500.00**	**Rs. 21,77,500.00**
2.04	Providing of XLPE (IS:7098) (I)-88 ISI armoured cable multistrand Aluminium conductor for 1.1 KV. to be				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.04 (2nd R.A Bill Qty)	1500.000	1950.00 x 275	536250.00	
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.09 (3rd R.A Bill Qty)	1500.000	1020.00 x 206.25	216562.50	
	Total	**3000.000**	**Mtr**	**Rs. 275.00**	**Rs. 8,25,000.00**
2.05	Supply of 50mm DWC pipes of approved make for covering of cable.				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.04 (2nd R.A Bill Qty)	1200.000	1560.00 x 230.00	358800.00	
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.10 (3rd R.A Bill Qty)	1200.000	840.00 x 172.50	144900.00	
	Total	**2400.000**	**Mtr**	**Rs. 230.00**	**Rs. 5,52,000.00**

2.06	Supply of Flexible PVC insulated multistrand multicore 1.1 kv grade ISI marked copper wires of following size to be erected as directed 1.50 Sq.mm 3 core round PVC sheathed.				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.04 (2nd R.A Bill Qty)	700.000	910.00 x 255/-		232050/-
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.10 (3rd R.A Bill Qty)	700.000	490.00 x 191.25		93712.50
	Total	**1400.000**	**Mtr**	**Rs. 255.00**	**Rs. 3,57,000.00**
3	**SUB HEAD : Installation, Testing and Commissioning of Streetlight System**				
3.01	Installation of 8 mtr Decorative Pole including excavation and constructing M-20/1:2:4 cement concrete foundation of size 45 x 45 x 120 cms. Deep as directed by Engineer-in-charge.				
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.17 (9th R.A Bill Qty)	15.000			
	Qty b/f CMB No.285/EE-III/SWM/MC/2021-22 vide page no.10 (10th R.A Bill Qty)	1.000			
	Total	**16.000**	**Nos**	**Rs. 5,550.00**	**Rs. 88,800.00**
3.02	Installation, Testing and Commissioning of 75/40 watt Decorative LED Luminaries.				
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.17 (9th R.A Bill Qty)	30.000			
	Total	**30.000**	**Nos**	**Rs. 700.00**	**Rs. 21,000.00**
3.03	Excavation and laying of DWC pipe at a 90 mm below the ground level/level below PCC in Jogging trek. Item includes refilling of the same trench.				
	Qty b/f CMB No.285/EE-III/SWM/MC/2021-22 vide page no.10 (10th R.A Bill Qty)	540.500			
	Qty b/f CMB No.302/EE-III/SWM/MC/2021-22 vide page no.10 (12th R.A Bill Qty)	80.650			
	Total	**621.150**	**Mtr**	**Rs. 325.00**	**Rs. 2,01,873.75**
3.04	Laying of 4x16 Sqmm Aluminium armoured cable in existing laid DWC pipe/on wall.				
	Qty b/f CMB No.285/EE-III/SWM/MC/2021-22 vide page no.10 (10th R.A Bill Qty)	500.460			
	Total	**500.460**	**Mtr**	**Rs. 60.00**	**Rs. 30,027.60**
3.05	Erecting of 3 core 1.5 sqmm copper flexible cable in pole from junction box to Luminaries				
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.17 (9th R.A Bill Qty)	300.000			
	Total	**300.000**	**Nos**	**Rs. 42.00**	**Rs. 12,600.00**
	EXTRA ITEM				
1.00	To provide structural design analysis with strucutal reinforcement details for construction of siutable wall section for the proposed construction of sea wall in front of Girls School along with the sea coast to a height of 3.00 mtrs suggesting appropriate section, designing of section and supply of detailed working drawings in CAD format 04 sets of CD and also vetted by any reconginised engineering college by Govt of India complete.				
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.17 (9th R.A Bill Qty)	1.000			
	Total	**1.000**	**Nos**	**Rs. 69,620.00**	**Rs. 69,620.00**

2.00	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including getting out and disposal of excavated earth lead upto 50 m and lift upto 1.5 m, as directed by Engineer-in-charge. All kinds of soil.				
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.17 (9th R.A Bill Qty)	4739.630			
	Total	**4739.630**	**Cum**	**Rs. 242.00**	**Rs. 11,46,990.46**
3.00	Carriage of Materials by mechanical transport including loading, unloading and stacking of earth for a lead of 05 kms.				
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.17 (9th R.A Bill Qty)	4739.630			
	Total	**4739.630**	**Cum**	**Rs. 228.23**	**Rs. 10,81,725.75**
4.00	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m.				
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.17 (9th R.A Bill Qty)	4667.865			
	Total	**4667.865**	**Cum**	**Rs. 197.00**	**Rs. 9,19,569.41**
				Total Workdone Amount	**Rs. 8,00,16,058.80**
	Secured Advance against the materials brought at site				79683606/-
.09	**Material Laying at site - Steel** TMT bars of size 8mm, 10mm, 12mm, 16mm and 20mm restricted to 90% of element cost	**216020.00**	**Kg**	**Rs. 49.50**	**Rs. 1,06,92,990.00** 90376596/-
				Total Gross Value	**Rs. 9,07,09,048.80**
				Paid in 2nd RA Bill	**Rs. 1,90,24,930.00**
				Paid in 3rd RA Bill	**Rs. 1,43,69,518.00**
				Paid in 4th RA Bill	**Rs. 24,20,254.00**
				Paid in 5th RA Bill	**Rs. 24,26,737.00**
				Paid in 6th RA Bill	**Rs. 23,79,507.00**
				Paid in 7th RA Bill	**Rs. 24,34,807.00**
				Paid in 8th RA Bill	**Rs. 24,81,634.00**
				Paid in 9th RA Bill	**Rs. 2,50,54,173.00**
				Paid in 10th RA Bill	**Rs. 24,85,858.00**
				Paid in 11th RA Bill	**Rs. 24,78,212.00**
				Paid in 12th RA Bill	**Rs. 24,91,524.00**
				Paid in 13th RA Bill	**Rs. 24,63,149.00**
				Paid in 14th RA Bill	**Rs. 24,73,556.00**
				Paid in 15th RA Bill	**Rs. 24,83,197.00**
		87940596		**Paid in 16th RA Bill**	**Rs. 21,76,539.00**
				Gross Value of 17th RA Bill	**Rs. 30,65,453.80**
				2436000/- **SAY**	**Rs. 30,65,454.00**

	RECOVERY DETAILS				2436400/- Rs. 30,65,454.00
				Gross Value (A)	
(i)	Schedule B Aggregates (-)				
	a) Already recovered in 3rd RA Bill	2865961.00			
	b) Already recovered in 4th RA Bill	1225808.00			
	c) Already recovered in 5th RA Bill	224120.00			
	d) Already recovered in 6th RA Bill	216190.00			
	e) Already recovered in 7th RA Bill	201532.00			
	f) Already recovered in 8th RA Bill	239032.00			
	g) Already recovered in 9th RA Bill	241859.00			
	h) Already recovered in 10th RA Bill	497420.00			
	i) Already recovered in 11th RA Bill	0.00			
	j) Already recovered in 12th RA Bill	0.00			
	k) Already recovered in 13th RA Bill	0.00			
	l) Already recovered in 14th RA Bill	0.00			
	m) Already recovered in 15th RA Bill	0.00			
	n) Already recovered in 16th RA Bill	0.00			
	o) To be recovered in this bill	Rs. 0.00			Rs. 0.00
(ii)	Material Laying at site - Steel	7519762.00			
	a) Already recovered in 3rd RA Bill	1601924.00			
	b) Already recovered in 4th RA Bill	324012.00			
	c) Already recovered in 5th RA Bill	424990.00			
	d) Already recovered in 6th RA Bill	399197.00			
	e) Already recovered in 7th RA Bill	364686.00			
	f) Already recovered in 8th RA Bill	217034.00			
	g) Already recovered in 9th RA Bill	2160074.00			
	h) Already recovered in 10th RA Bill	330719.00			
	i) Already recovered in 11th RA Bill	400216.00			
	j) Already recovered in 12th RA Bill	471436.00			
	k) Already recovered in 13th RA Bill	301802.00			
	l) Already recovered in 14th RA Bill	0.00			
	m) Already recovered in 15th RA Bill	167267.00			
	n) Already recovered in 16th RA Bill	356405.00			
	o) To be recovered in this bill	Rs. 0.00			Rs. 0.00
(iii)	Security deposit @ 2.5% on Total Gross Value	2267726.22	22,59,415/-		
	a) Already recovered in 2nd RA Bill	475623.00			
	b) Already recovered in 3rd RA Bill	359238.00			
	c) Already recovered in 4th RA Bill	60506.55			
	d) Already recovered in 5th RA Bill	60668.39			
	e) Already recovered in 6th RA Bill	59487.70			
	f) Already recovered in 7th RA Bill	60870.19			
	g) Already recovered in 8th RA Bill	62041.00			
	h) Already recovered in 9th RA Bill	626354.00			
	i) Already recovered in 10th RA Bill	62146.00			
	j) Already recovered in 11th RA Bill	61955.00			
	k) Already recovered in 12th RA Bill	62288.00			
	l) Already recovered in 13th RA Bill	61579.00			
	m) Already recovered in 14th RA Bill	61839.00			
	n) Already recovered in 15th RA Bill	62080.00			4
	o) Already recovered in 16th RA Bill	54413.00			60900/-
	p) To be recovered in this bill	Rs. 76,637.00			Rs. 76,637.00

(iv)	IT @ 2% on Total Gross Value	1814180.98	180753/-		
	a) Already recovered in 1st RA Bill	99751.00			
	b) Already recovered in 2nd RA Bill	380499.00			
	c) Already recovered in 3rd RA Bill	287390.00			
	d) Already recovered in 4th RA Bill	48405.08			
	e) Already recovered in 5th RA Bill	-51216.33			
	f) Already recovered in 6th RA Bill	47590.16			
	g) Already recovered in 7th RA Bill	48696.15			
	h) Already recovered in 8th RA Bill	49633.00			
	i) Already recovered in 9th RA Bill	501083.00			
	j) Already recovered in 10th RA Bill	49717.00			
	k) Already recovered in 11th RA Bill	49564.00			
	l) Already recovered in 12th RA Bill	49830.00			
	m) Already recovered in 13th RA Bill	49263.00			
	n) Already recovered in 14th RA Bill	49471.00			
	o) Already recovered in 15th RA Bill	49664.00			48720/-
	p) Already recovered in 16th RA Bill	43531.00			Rs. 61,310.00
	q) To be recovered in this bill	Rs. 61,310.00			
(v)	Labour Welfare Cess @ 1% on Total Gross Value	907090.49	90376/-		
	a) Already recovered in 2nd RA Bill	190249.00			
	b) Already recovered in 3rd RA Bill	143695.00			
	c) Already recovered in 4th RA Bill	24203.02			
	d) Already recovered in 5th RA Bill	24267.35			
	e) Already recovered in 6th RA Bill	23795.09			
	f) Already recovered in 7th RA Bill	24348.07			
	g) Already recovered in 8th RA Bill	24816.00			
	h) Already recovered in 9th RA Bill	250542.00			
	i) Already recovered in 10th RA Bill	24859.00			
	j) Already recovered in 11th RA Bill	24782.00			
	k) Already recovered in 12th RA Bill	24915.00			
	l) Already recovered in 13th RA Bill	24631.00			
	m) Already recovered in 14th RA Bill	24736.00			
	n) Already recovered in 15th RA Bill	24832.00			24360/-
	o) Already recovered in 16th RA Bill	21765.00			Rs. 30,655.00
	p) To be recovered in this bill	Rs. 30,655.00			
(vi)	UGST @ 1% on Total Gross Value	907090.49	90376/-		
	a) Already recovered in 1st RA Bill	49875.50			
	b) Already recovered in 2nd RA Bill	190249.50			
	c) Already recovered in 3rd RA Bill	143695.00			
	d) Already recovered in 4th RA Bill	24202.52			
	e) Already recovered in 5th RA Bill	-25608.15			
	f) Already recovered in 6th RA Bill	23795.09			
	g) Already recovered in 7th RA Bill	24348.07			
	h) Already recovered in 8th RA Bill	24816.00			
	i) Already recovered in 9th RA Bill	250542.00			
	j) Already recovered in 10th RA Bill	24859.00			
	k) Already recovered in 11th RA Bill	24782.00			
	l) Already recovered in 12th RA Bill	24915.00			
	m) Already recovered in 13th RA Bill	24631.00			
	n) Already recovered in 14th RA Bill	24736.00			
	o) Already recovered in 15th RA Bill	24832.00			
	p) Already recovered in 16th RA Bill	21765.00			24360/-
	q) To be recovered in this bill	Rs. 30,655.00			Rs. 30,655.00

CGST @ 1% on Total Gross Value	907090.49	
a) Already recovered in 1st RA Bill	49875.50	
b) Already recovered in 2nd RA Bill	190249.50	
c) Already recovered in 3rd RA Bill	143695.00	
d) Already recovered in 4th RA Bill	24202.52	
e) Already recovered in 5th RA Bill	-25608.15	
f) Already recovered in 6th RA Bill	23795.09	
g) Already recovered in 7th RA Bill	24348.07	
h) Already recovered in 8th RA Bill	24816.00	
i) Already recovered in 9th RA Bill	250542.00	
j) Already recovered in 10th RA Bill	24859.00	
k) Already recovered in 11th RA Bill	24782.00	
l) Already recovered in 12th RA Bill	24915.00	
m) Already recovered in 13th RA Bill	24631.00	
n) Already recovered in 14th RA Bill	24736.00	
o) Already recovered in 15th RA Bill	24832.00	
p) Already recovered in 16th RA Bill	21765.00	
q) To be recovered in this bill	Rs. 30,655.00	
	Total Recovery (B)	Rs. 2,29,912.00
	Net Amount Payable in this Bill (A-B)	Rs. 28,35,542.00
	Says	Rs 28,35,542.00

Net Amount in words:- (Rupees Twenty ~~Eight~~ Lakhs Thirty ~~Five~~ Thousand ~~Five~~ Hundred ~~and Forty Two~~ Only)

Certified that:-

1. The work has been executed as per terms and conditions of the agreement.
2. No material and T & P has been issued from the Department.
3. Own arrangements for water has been made.
4. No Labour Complaints has been received.
5. Requisite technical staff has been employed as per agreement.
6. Up to date recoveries have been effected in this bill.
7. All Mandatory Test have been conducted.

Signature of the Contractor

Signature of the AE

Signature of the EE (Works)

Ref. Page No. 01 to 15 of THB:

Authority :- 01 (PBSPL) of 2020-2021

W.O.No :- Marine esplanade : marine road restructuring with uniform carriage way, walking track, street furniture, service core trenching and, land scaping.

Agency :- M/s Surendra Infrastructure (P) Ltd.

Total Gross value of work done → 9,03,76,596/-
Already paid upto 16th RA Bill → 8,79,40,596/-
Gross value of 17th RA Bill → 24,36,000/-

(i) S/deposit @ 2.5% on GIV → 2259415/-
Already deducted upto 16th RA Bill → 2198515/-
now to be deducted → 60900/-

(ii) I/Tax @ 2% on GIV → 1807534/-
Already deducted upto 16th RA Bill → 1758814/-
now to be deducted → 48720/-

(iii) Labour cess @ 1% on GIV → 903767/-
Already deducted upto 16th RA Bill → 879407/-
now to be deducted → 24360/-

(iv) TDS on GST @ 2% on GIV → 1807534/-
Already deducted upto 16th RA Bill → 1758814/-
now to be deducted → 48720/-

Total deductions → 182700/-

Net payable Amount → 22,53,300/-

Cont-4

Secured Advance against the materials brought at site

Name of Work:- Marine esplanade: Marina road restructuring with uniform carriage way, walking track, street lighting, street furniture, service core trenching and land scaping.

Agreement No :- 01 (PBSPL) of 2020-21

Agency :- M/s. Surendra Infrastructure (P) Ltd.

Serial no of this bill :- 17th RA Bill

S.No	Sch Item No.	Description of Items	Quantity	Unit	Rate Allowed	Amount
1	1.09	Steel TMT Bars	151914.376	Kgs	49.50	7519761.612
					Total Amount	7519761.61
					Says	7519762.00

Junior Engineer-III (Works)
PBMC

17th RA Bill in respect of M/S Surendra Infra-structure (P) Ltd against Agr. No: 01 (PBSPL) of 2020-21 is passed for ₹ = 2436000/- (Rupees Twenty four lakhs thirty six thousand only)

Executive Engineer-III (Works)
Municipal Council
Port Blair

payment released for ₹= 22,53,300/-

लेखा अधिकारी
ACCOUNTS OFFICER -III
नगरपालिका परिषद
Municipal Council
पोर्ट ब्लेयर / Port Blair

Release of Security Deposite

NOW:- Marina Esplanade :- marina road restructure with uniform carriage way, walking track, street lighting steel furniture, service core trenching and land scaping

Agreement NO:- 01 (PBSPL) of 20-21
Agency :- M/s Sucndca infrastructure (P) Ltd
Date of commencement :- 07/12/2020
Date of completion :-

For the above mentioned name of work "Marina esplanade restructure with uniform carriage way, walking track, street lighting steel furniture, service core trenching and land scaping agreement:- 01(PBSPL) of 20-21 dated we release the security deposite from 2nd RA to 13th R.A bill amount ₹ 22,59,425.00 (Rupees twenty two lakhs fifty nine thousand four hundred fifteen only) against bank guarantee NO:- 03/2022 dt:- 19/04/2022 of Canara bank on behalf of M/s Sucndca Infrastructure Pvt. Ltd.

EE III (Works)

AE-III (Works)

Ref. page No: 16 of TMB.

Authority :- 01 (PBSPL) of 2020-2021

N.O.W :- Marine esplanade: marina road restructing with uniform carriage way, walking track, street lighting, street furniture service core trenching, island scaping.

Agency :- M/s Surendra Infrastute (P) Ltd.

Released Security deposit for an amount of ₹= 22,59,415/- (Rupees Twenty two lakhs fifty nine thousand four hundred fifteen only) against Agr. No: 01 (PBSPL) of 2020-2021 through Hand Receipt No: 08/AB-III/RO/MC/SWM/22-23 dt. 09/06/22 of TMB page 16.

The above said security deposit amount was recovered from 2nd RA to 17th RA bill at page 15.

Passed for ₹= 22,59,415/- (Rupees Twenty two lakhs fifty nine thousand four hundred fifteen only)

Executive Engineer-III (W/S)
Municipal Council
Port Blair

Payment released for ₹= 22,59,415/-

लेखा अधिकारी
ACCOUNTS OFFICER-III

Division:- Executive Engineer-III (SWM/MC), Port Blair Municipal Council, Port Blair

(18th R.A BILL)

COMPUTERIZED MEASUREMENT BOOK

(DETAILS OF ABSTRACT)

CMB No:- 316/EE-III/SWM/MC/2021-22

Name of Work: - Marine esplanade: Marina road restructuring with uniform carriage way, walking track, street lighting, street furniture, service core trenching and land scaping.

Name of Contractor: - M/s. Surendra Infrastructure (P) Ltd.

Agreement No.: - 01 (PBSPL) of 2020-2021

ABSTRACT OF COST

(18th R.A Bill)

Name of Work:- Marine esplanade: Marina road restructuring with uniform carriage way, walking track, street lighting, street furniture, service core trenching and land scaping.

Agreement No. :- 01 (PBSPL) of 2020-2021

Name of Agency :- M/s. Surendra Infrastructure (P) Ltd.

Date of Commencement :- 07.12.2020

Date of Completion :- In Progress

Reference to previous measurement, if any :- NIL

Serial no. of this bill :- 18th RA Bill

CMB no. of this bill :- 316/EE-III/SWM/MC/2021-22

Date of Abstract :-

Item No.	Particulars	Quantity	Unit	Rate	Amount
1	**CIVIL WORKS**				
1.01	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m. a) All kinds of soil.				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.01 (2nd R.A Bill Qty)	17.617			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.01 (3rd R.A Bill Qty)	139.362			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.01 (4th R.A Bill Qty)	54.283			
	Qty b/f CMB No.267/EE-III/SWM/MC/2020-21 vide page no.01 (8th R.A Bill Qty)	69.113			
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.01 (9th R.A Bill Qty)	2902.781			
	Total	**3183.156**	**Cum**	**Rs. 225.00**	**Rs. 716,210.10**
1.02	Excavation work by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m. Hard rock (blasting prohibited)				
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.01 (9th R.A Bill Qty)	242.226			
	Total	**242.226**	**Cum**	**Rs. 500.00**	**Rs. 121,113.00**
1.03	Filling with available pulverised sand				
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.01 (9th R.A Bill Qty)	144.052			
	Qty b/f CMB No.287/EE-III/SWM/MC/2021-22 vide page no.01 (11th R.A Bill Qty)	15.969			
	Total	**160.021**	**Cum**	**Rs. 3,400.00**	**Rs. 544,071.40**

1.04	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:4:8 (1 Cement : 4 coarse sand (Zone III) : 8 graded stone aggregate 40 mm nominal size)				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.01 (2nd R.A Bill Qty)	11.242			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.02 (3rd R.A Bill Qty)	85.005			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.01 (4th R.A Bill Qty)	11.369			
	Qty b/f CMB No.235/EE-III/SWM/MC/2020-21 vide page no.01 (5th R.A Bill Qty)	8.928			
	Qty b/f CMB No.241/EE-III/SWM/MC/2020-21 vide page no.01 (6th R.A Bill Qty)	2.864			
	Qty b/f CMB No.243/EE-III/SWM/MC/2020-21 vide page no.01 (7th R.A Bill Qty)	13.392			
	Qty b/f CMB No.267/EE-III/SWM/MC/2020-21 vide page no.02 (8th R.A Bill Qty)	15.993			
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.02 (9th R.A Bill Qty)	194.516			
	Qty b/f CMB No.287/EE-III/SWM/MC/2021-22 vide page no.02 (11th R.A Bill Qty)	15.969			
	Qty b/f CMB No.308/EE-III/SWM/MC/2021-22 vide page no.06 (15th R.A Bill Qty)	4.464			
	Qty b/f CMB No.312/EE-III/SWM/MC/2021-22 vide page no.02 (16th R.A Bill Qty)	9.280	292.818		
	Qty b/f CMB No.315/EE-III/SWM/MC/2021-22 vide page no.26 (18th R.A Bill Qty)	4.464	85.168		
	Total	**377.486**	**Cum**	**Rs. 9,250.00**	**Rs. 3,491,745.50**
1.05	Providing and laying in position machine batched and machine mixed design mix M-25 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying but excluding the cost of centering, shuttering, finishing and reinforcement, including admixtures in recommended proportions as per IS: 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer-in-charge."(Note :- Cement content considered in this item is @ 330 kg/cum."Excess/ less cement used as per design mix is payable/recoverable separately). All works upto plinth level				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.01 (2nd R.A Bill Qty)	10.528			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.03 (3rd R.A Bill Qty)	320.952			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.02 (4th R.A Bill Qty)	59.176			
	Qty b/f CMB No.235/EE-III/SWM/MC/2020-21 vide page no.02 (5th R.A Bill Qty)	58.454			
	Qty b/f CMB No.241/EE-III/SWM/MC/2020-21 vide page no.02 (6th R.A Bill Qty)	16.382			
	Qty b/f CMB No.243/EE-III/SWM/MC/2020-21 vide page no.02 (7th R.A Bill Qty)	74.954			
	Qty b/f CMB No.267/EE-III/SWM/MC/2020-21 videpage no.02 (8th R.A Bill Qty)	81.964			
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.04 (9th R.A Bill Qty)	310.818			

	Qty b/f CMB No.302/EE-III/SWM/MC/2021-22 vide page no.02 (12th R.A Bill Qty)	11.773			
	Qty b/f CMB No.308/EE-III/SWM/MC/2021-22 vide page no.06 (15th R.A Bill Qty)	29.227			
	Qty b/f CMB No.312/EE-III/SWM/MC/2021-22 vide page no.03 (16th R.A Bill Qty)	60.496			
	Qty b/f CMB No.315/EE-III/SWM/MC/2021-22 vide page no.26 (18th R.A Bill Qty)	16.500			
	Qty b/f CMB No.315/EE-III/SWM/MC/2021-22 vide page no.27 (18th R.A Bill Qty)	12.727			
	Total	**1063.951**	**Cum**	**Rs. 11,000.00**	**Rs. 11,703,461.00**
1.06	Extra for laying RCC in or under water and/or liquid mud, including cost of pumping or bailing out water and removing slush etc., complete.				
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.03 (3rd R.A Bill Qty)	320.702			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.02 (4th R.A Bill Qty)	80.263			
	Qty b/f CMB No.235/EE-III/SWM/MC/2020-21 vide page no.2 (5th R.A Bill Qty)	89.103			
	Qty b/f CMB No.241/EE-III/SWM/MC/2020-21 vide page no.02 (6th R.A Bill Qty)	24.914			
	Qty b/f CMB No.243/EE-III/SWM/MC/2020-21 vide page no.02 (7th R.A Bill Qty)	110.070			
	Qty b/f CMB No.267/EE-III/SWM/MC/2020-21 vide page no.03 (8th R.A Bill Qty)	68.142			
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.04 (9th R.A Bill Qty)	466.494			
	Qty b/f CMB No.302/EE-III/SWM/MC/2021-22 vide page no.03 (12th R.A Bill Qty)	17.265	202	800 x 650/-	13/820.00
	Qty b/f CMB No.308/EE-III/SWM/MC/2021-22 vide page no.08 (15th R.A Bill Qty)	44.553	1155	767 x 487.50	563436.41
	Qty b/f CMB No.312/EE-III/SWM/MC/2021-22 vide page no.03 (16th R.A Bill Qty)	92.508			
	Qty b/f CMB No.315/EE-III/SWM/MC/2021-22 vide page no.28 (18th R.A Bill Qty)	44.553			
	Total	**1358.567**	**Cum**	**Rs. 650.00**	**Rs. 883,068.55**
1.07	Providing and laying in position machine batched and machine mixed design mix M-25 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying but excluding the cost of centering, shuttering, finishing and reinforcement, including admixtures in recommended proportions as per IS: 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer-in-charge."(Note :- Cement contentconsidered in this item is @ 330 kg/cum."Excess/ less cement used as per design mix is payable/recoverable separately). All works above plinth level upto floor V level				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.02 (2nd R.A Bill Qty)	14.812			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.04 (3rd R.A Bill Qty)	222.185			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.03 (4th R.A Bill Qty)	52.226			
	Qty b/f CMB No.235/EE-III/SWM/MC/2020-21 vide page no.03 (5th R.A Bill Qty)	52.747			
	Qty b/f CMB No.241/EE-III/SWM/MC/2020-21 vide page no.03 (6th R.A Bill Qty)	93.837			
	Qty b/f CMB No.243/EE-III/SWM/MC/2020-21 vide page no.03 (7th R.A Bill Qty)	43.768			

	Qty b/f CMB No.267/EE-III/SWM/MC/2020-21 vide page no.03 (8th R.A Bill Qty)	45.130			
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.06 (9th R.A Bill Qty)	163.021			
	Qty b/f CMB No.285/EE-III/SWM/MC/2021-22 vide page no.04 (10th R.A Bill Qty)	45.949			
	Qty b/f CMB No.287/EE-III/SWM/MC/2021-22 vide page no.03 (11th R.A Bill Qty)	131.561			
	Qty b/f CMB No.302/EE-III/SWM/MC/2021-22 vide page no.04 (12th R.A Bill Qty)	111.481			
	Qty b/f CMB No.304/EE-III/SWM/MC/2021-22 vide page no.04 (13th R.A Bill Qty)	113.978			
	Qty b/f CMB No.308/EE-III/SWM/MC/2021-22 vide page no.08 (15th R.A Bill Qty)	22.565			
	Qty b/f CMB No.312/EE-III/SWM/MC/2021-22 vide page no.04 (16th R.A Bill Qty)	35.036			
	Qty b/f CMB No.315/EE-III/SWM/MC/2021-22 vide page no.03 (18th R.A Bill Qty)	10.341			
	Qty b/f CMB No.315/EE-III/SWM/MC/2021-22 vide page no.07 (18th R.A Bill Qty)	5.353			
	Qty b/f CMB No.315/EE-III/SWM/MC/2021-22 vide page no.11 (18th R.A Bill Qty)	5.353			
	Qty b/f CMB No.315/EE-III/SWM/MC/2021-22 vide page no.13 (18th R.A Bill Qty)	6.152			
	Qty b/f CMB No.315/EE-III/SWM/MC/2021-22 vide page no.16 (18th R.A Bill Qty)	5.353			
	Qty b/f CMB No.315/EE-III/SWM/MC/2021-22 vide page no.18 (18th R.A Bill Qty)	6.152			
	Qty b/f CMB No.315/EE-III/SWM/MC/2021-22 vide page no.21 (18th R.A Bill Qty)	5.353			
	Qty b/f CMB No.315/EE-III/SWM/MC/2021-22 vide page no.28 (18th R.A Bill Qty)	10.862			
	Qty b/f CMB No.315/EE-III/SWM/MC/2021-22 vide page no.29 (18th R.A Bill Qty)	11.703			
	Qty b/f CMB No.315/EE-III/SWM/MC/2021-22 vide page no.32 (18th R.A Bill Qty)	10.341			
	Total	**1425.259**	**Cum**	**Rs. 11,400.00**	**Rs. 16,247,952.60**
	Providing M-25 grade concrete. (Note : Cement content considered as per Design Mix M25 - 343 kg/cbm approved.				
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.05 (3rd R.A Bill Qty)	2003.625			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.03 (4th R.A Bill Qty)	389.337			
	Qty b/f CMB No.267/EE-III/SWM/MC/2020-21 vide page no.04 (8th R.A Bill Qty)	520.130			
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.06 (9th R.A Bill Qty)	334.867			
	Qty b/f CMB No.285/EE-III/SWM/MC/2021-22 vide page no.04 (10th R.A Bill Qty)	194.038			
	Qty b/f CMB No.287/EE-III/SWM/MC/2021-22 vide page no.04 (11th R.A Bill Qty)	1710.293			
	Qty b/f CMB No.302/EE-III/SWM/MC/2021-22 vide page no.04 (12th R.A Bill Qty)	1210.950			
	Qty b/f CMB No.304/EE-III/SWM/MC/2021-22 vide page no.04 (13th R.A Bill Qty)	1481.714			
	Total	**7844.954**	**Kg**	**Rs. 10.00**	**Rs. 78,449.54**

1.08	Extra for providing richer mixes at all three levels. Note - Excess/less cement over the specified cement content used is payable / recoverable separately. Providing M-40 grade concrete instead of M-25 grade RMC/RMC. (Note : Cement content considered in M-40 is @ 360 kg/cum)				
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.05 (3rd R.A Bill Qty)	114.336			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.03 (4th R.A Bill Qty)	81.453			
	Qty b/f CMB No.235/EE-III/SWM/MC/2020-21 vide page no.03 (5th R.A Bill Qty)	111.201			
	Qty b/f CMB No.241/EE-III/SWM/MC/2020-21 vide page no.04 (6th R.A Bill Qty)	110.218			
	Qty b/f CMB No.243/EE-III/SWM/MC/2020-21 vide page no.04 (7th R.A Bill Qty)	118.722			
	Qty b/f CMB No.267/EE-III/SWM/MC/2020-21 vide page no.04 (8th R.A Bill Qty)	75.381			
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.07 (9th R.A Bill Qty)	659.783			
	Qty b/f CMB No.285/EE-III/SWM/MC/2021-22 vide page no.04 (10th R.A Bill Qty)	31.023			
	Qty b/f CMB No.302/EE-III/SWM/MC/2021-22 vide page no.04 (12th R.A Bill Qty)	30.102			
	Qty b/f CMB No.308/EE-III/SWM/MC/2021-22 vide page no.10 (15th R.A Bill Qty)	51.792			
	Qty b/f CMB No.312/EE-III/SWM/MC/2021-22 vide page no.05 (16th R.A Bill Qty)	95.532			
	Qty b/f CMB No.315/EE-III/SWM/MC/2021-22 vide page no.03 (18th R.A Bill Qty)	10.341			
	Qty b/f CMB No.315/EE-III/SWM/MC/2021-22 vide page no.07 (18th R.A Bill Qty)	5.353			
	Qty b/f CMB No.315/EE-III/SWM/MC/2021-22 vide page no.11 (18th R.A Bill Qty)	5.353			
	Qty b/f CMB No.315/EE-III/SWM/MC/2021-22 vide page no.16 (18th R.A Bill Qty)	11.505			
	Qty b/f CMB No.315/EE-III/SWM/MC/2021-22 vide page no.21 (18th R.A Bill Qty)	11.505	1569.690 / 316.043	×320/-	
	Qty b/f CMB No.315/EE-III/SWM/MC/2021-22 vide page no.32 (18th R.A Bill Qty)	62.133			
	Total	**1885.733**	**Cum**	**Rs. 320.00**	**Rs. 603,434.56**
	Extra for providing richer mixes M-40 grade concrete. (Note : Cement content considered as per Design Mix M40 - 442 kg/cbm approved.				
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.05 (3rd R.A Bill Qty)	33975.552			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.03 (4th R.A Bill Qty)	6679.146			
	Qty b/f CMB No.235/EE-III/SWM/MC/2020-21 vide page no.03 (5th R.A Bill Qty)	9118.482			
	Qty b/f CMB No.241/EE-III/SWM/MC/2020-21 vide page no.05 (6th R.A Bill Qty)	9037.958			
	Qty b/f CMB No.243/EE-III/SWM/MC/2020-21 vide page no.04 (7th R.A Bill Qty)	9735.204			
	Qty b/f CMB No.267/EE-III/SWM/MC/2020-21 vide page no.04 (8th R.A Bill Qty)	6181.242			
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.08 (9th R.A Bill Qty)	54102.206			
	Qty b/f CMB No.285/EE-III/SWM/MC/2021-22 vide page no.05 (10th R.A Bill Qty)	2543.886			
	Qty b/f CMB No.302/EE-III/SWM/MC/2021-22 vide page no.05 (12th R.A Bill Qty)	2468.364			

	Qty b/f CMB No.308/EE-III/SWM/MC/2021-22 vide page no.05 (15th R.A Bill Qty)	4246.944			
	Qty b/f CMB No.312/EE-III/SWM/MC/2020-21 vide page no.06 (16th R.A Bill Qty)	7833.624			
	Extra for providing richer mixes M-40 grade concrete. (Note : Cement content considered as per Design Mix M40 - 442 kg/cbm approved (Qty - 106.190 Cum) Cement Qty = 106.190 x 442 = 46935.980 Kg = 106.190 x 360 = 38228.400 Kg Difference Qty = 8707.580 Kg	8707.580			
	Total	**154630.188**	**Kg**	**Rs. 10.00**	**Rs. 1,546,301.88**
1.09	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level. A) Thermo-Mechanically Treated bars of grade Fe-500D or more.				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.02 (2nd R.A Bill Qty)	1051.813			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.05 (3rd R.A Bill Qty)	31310.281			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.04 (4th R.A Bill Qty)	6545.698			
	Qty b/f CMB No.235/EE-III/SWM/MC/2020-21 vide page no.04 (5th R.A Bill Qty)	8585.653			
	Qty b/f CMB No.241/EE-III/SWM/MC/2020-21 vide page no.06 (6th R.A Bill Qty)	8064.591			
	Qty b/f CMB No.243/EE-III/SWM/MC/2020-21 vide page no.04 (7th R.A Bill Qty)	7367.385			
	Qty b/f CMB No.267/EE-III/SWM/MC/2020-21 vide page no.05 (8th R.A Bill Qty)	4384.528			
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.10 (9th R.A Bill Qty)	43637.869			
	Qty b/f CMB No.285/EE-III/SWM/MC/2021-22 vide page no.05 (10th R.A Bill Qty)	6681.193			
	Qty b/f CMB No.287/EE-III/SWM/MC/2021-22 vide page no. (11th R.A Bill Qty)	8085.169			
	Qty b/f CMB No.302/EE-III/SWM/MC/2021-22 vide page no.06 (12th R.A Bill Qty)	9523.962			
	Qty b/f CMB No.304/EE-III/SWM/MC/2021-22 vide page no.06 (13th R.A Bill Qty)	6097.007			
	Qty b/f CMB No.308/EE-III/SWM/MC/2021-22 vide page no.03 (15th R.A Bill Qty)	3379.127			
	Qty b/f CMB No.312/EE-III/SWM/MC/2021-22 vide page no.07 (16th R.A Bill Qty)	7200.099			
	Qty b/f CMB No.315/EE-III/SWM/MC/2021-22 vide page no.01 (18th R.A Bill Qty)	423.385			
	Qty b/f CMB No.315/EE-III/SWM/MC/2021-22 vide page no.02 (18th R.A Bill Qty)	185.748			
	Qty b/f CMB No.315/EE-III/SWM/MC/2021-22 vide page no.05 (18th R.A Bill Qty)	226.929			
	Qty b/f CMB No.315/EE-III/SWM/MC/2021-22 vide page no.06 (18th R.A Bill Qty)	95.666			
	Qty b/f CMB No.315/EE-III/SWM/MC/2021-22 vide page no.09 (18th R.A Bill Qty)	226.929			
	Qty b/f CMB No.315/EE-III/SWM/MC/2021-22 vide page no.10 (18th R.A Bill Qty)	95.666			
	Qty b/f CMB No.315/EE-III/SWM/MC/2021-22 vide page no.14 (18th R.A Bill Qty)	226.929			
	Qty b/f CMB No.315/EE-III/SWM/MC/2021-22 vide page no.15 (18th R.A Bill Qty)	95.666			

	Qty b/f CMB No.315/EE-III/SWM/MC/2021-22 vide page no.19 (18th R.A Bill Qty)	226.929			
	Qty b/f CMB No.315/EE-III/SWM/MC/2021-22 vide page no.20 (18th R.A Bill Qty)	95.666			
	Qty b/f CMB No.315/EE-III/SWM/MC/2021-22 vide page no.23 (18th R.A Bill Qty)	1324.999			
	Qty b/f CMB No.315/EE-III/SWM/MC/2021-22 vide page no.24 (18th R.A Bill Qty)	1541.475			
	Qty b/f CMB No.315/EE-III/SWM/MC/2021-22 vide page no.25 (18th R.A Bill Qty)	512.654			
	Qty b/f CMB No.315/EE-III/SWM/MC/2021-22 vide page no.30 (18th R.A Bill Qty)	123.385			
	Qty b/f CMB No.315/EE-III/SWM/MC/2021-22 vide page no.31 (18th R.A Bill Qty)	185.748			
	Qty b/f CMB No.315/EE-III/SWM/MC/2021-22 vide page no.34 (18th R.A Bill Qty)	1324.999			
	Qty b/f CMB No.315/EE-III/SWM/MC/2021-22 vide page no.35 (18th R.A Bill Qty)	1541.475			
	Qty b/f CMB No.315/EE-III/SWM/MC/2021-22 vide page no.36 (18th R.A Bill Qty)	512.654			
	Total	**161181.278**	**Kg**	**Rs. 91.00**	**Rs. 14,667,496.30**
1.1	12 mm plaster 1:4				
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.10 (9th R.A Bill Qty)	1672.905			
	Qty b/f CMB No.308/EE-III/SWM/MC/2021-22 vide page no.10 (15th R.A Bill Qty)	264.920			
	Qty b/f CMB No.312/EE-III/SWM/MC/2021-22 vide page no.07 (16th R.A Bill Qty)	277.500			
		2215.325	**Sqm**	**Rs. 370.00**	**Rs. 819,670.25**
1.11	Centering and shuttering including strutting, propping etc. and removal of form work for : Foundations, footings, bases for columns				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.02 (2nd R.A Bill Qty)	50.400			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.07 (3rd R.A Bill Qty)	267.000			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.04 (4th R.A Bill Qty)	23.630			
	Qty b/f CMB No.235/EE-III/SWM/MC/2020-21 vide page no.04 (5th R.A Bill Qty)	26.800			
	Qty b/f CMB No.241/EE-III/SWM/MC/2020-21 vide page no.06 (6th R.A Bill Qty)	11.320			
	Qty b/f CMB No.243/EE-III/SWM/MC/2020-21 vide page no.05 (7th R.A Bill Qty)	40.200			
	Qty b/f CMB No.267/EE-III/SWM/MC/2020-21 vide page no.05 (8th R.A Bill Qty)	30.480			
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.11 (9th R.A Bill Qty)	149.200			
	Qty b/f CMB No.308/EE-III/SWM/MC/2021-22 vide page no.06 (15th R.A Bill Qty)	13.400			
	Qty b/f CMB No.312/EE-III/SWM/MC/2021-22 vide page no.07 (16th R.A Bill Qty)	32.160			
	Qty b/f CMB No.315/EE-III/SWM/MC/2021-22 vide page no.26 (18th R.A Bill Qty)	13.400			
	Total	**657.990**	**Sqm**	**Rs. 340.00**	**Rs. 223,716.60**
1.12	Centering and shuttering including strutting, propping etc. and removal of form work for : Retaining walls, return walls, walls (any thickness) including attached pilasters, butteresses, plinth and string courses fillets, kerbs and steps etc.				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.02 (2nd R.A Bill Qty)	142.478			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.08 (3rd R.A Bill Qty)	1784.236			

	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.04 (4th R.A Bill Qty)	542.815			
	Qty b/f CMB No.235/EE-III/SWM/MC/2020-21 vide page no.05 (5th R.A Bill Qty)	231.276			
	Qty b/f CMB No.241/EE-III/SWM/MC/2020-21 vide page no.07 (6th R.A Bill Qty)	383.468			
	Qty b/f CMB No.243/EE-III/SWM/MC/2020-21 vide page no.05 (7th R.A Bill Qty)	197.338			
	Qty b/f CMB No.267/EE-III/SWM/MC/2020-21 vide page no.06 (8th R.A Bill Qty)	604.812			
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.13 (9th R.A Bill Qty)	1768.461			
	Qty b/f CMB No.285/EE-III/SWM/MC/2021-22 vide page no.07 (10th R.A Bill Qty)	200.384			
	Qty b/f CMB No.287/EE-III/SWM/MC/2021-22 vide page no.06 (11th R.A Bill Qty)	41.326			
	Qty b/f CMB No.302/EE-III/SWM/MC/2021-22 vide page no.07 (12th R.A Bill Qty)	224.470			
	Qty b/f CMB No.304/EE-III/SWM/MC/2021-22 vide page no.07 (13th R.A Bill Qty)	440.680			
	Qty b/f CMB No.308/EE-III/SWM/MC/2021-22 vide page no.07 (15th R.A Bill Qty)	101.159			
	Qty b/f CMB No.312/EE-III/SWM/MC/2021-22 vide page no.08 (16th R.A Bill Qty)	174.256			
	Qty b/f CMB No.315/EE-III/SWM/MC/2021-22 vide page no.02 (18th R.A Bill Qty)	41.918			
	Qty b/f CMB No.315/EE-III/SWM/MC/2021-22 vide page no.06 (18th R.A Bill Qty)	22.491			
	Qty b/f CMB No.315/EE-III/SWM/MC/2021-22 vide page no.10 (18th R.A Bill Qty)	22.491			
	Qty b/f CMB No.315/EE-III/SWM/MC/2021-22 vide page no.13 (18th R.A Bill Qty)	25.634			
	Qty b/f CMB No.315/EE-III/SWM/MC/2021-22 vide page no.15 (18th R.A Bill Qty)	22.491			
	Qty b/f CMB No.315/EE-III/SWM/MC/2021-22 vide page no.18 (18th R.A Bill Qty)	25.634			
	Qty b/f CMB No.315/EE-III/SWM/MC/2021-22 vide page no.20 (18th R.A Bill Qty)	22.491			
	Qty b/f CMB No.315/EE-III/SWM/MC/2021-22 vide page no.27 (18th R.A Bill Qty)	54.261			
	Qty b/f CMB No.315/EE-III/SWM/MC/2021-22 vide page no.29 (18th R.A Bill Qty)	46.898			
	Qty b/f CMB No.315/EE-III/SWM/MC/2021-22 vide page no.31 (18th R.A Bill Qty)	41.918			
	Total	**7166.386**	**Sqm**	**Rs. 570.00**	**Rs. 4,084,840.02**
1.13	Centering and shuttering including strutting, propping etc. and removal of form for all heights : Extra for shuttering in circular work (20% of respective centering and shuttering items)				
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.05 (4th R.A Bill Qty)	50.597			
	Qty b/f CMB No.235/EE-III/SWM/MC/2020-21 vide page no.05 (5th R.A Bill Qty)	37.948			
	Qty b/f CMB No.241/EE-III/SWM/MC/2020-21 vide page no.07 (6th R.A Bill Qty)	59.749			
	Qty b/f CMB No.243/EE-III/SWM/MC/2020-21 vide page no.05 (7th R.A Bill Qty)	12.649			

	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.13 (9th R.A Bill Qty)	138.571			
	Qty b/f CMB No.285/EE-III/SWM/MC/2021-22 vide page no.07 (10th R.A Bill Qty)	37.918			
	Qty b/f CMB No.302/EE-III/SWM/MC/2021-22 vide page no.07 (12th R.A Bill Qty)	8.786			
	Qty b/f CMB No.315/EE-III/SWM/MC/2021-22 vide page no.04 (18th R.A Bill Qty)	12.649			
	Qty b/f CMB No.315/EE-III/SWM/MC/2021-22 vide page no.08 (18th R.A Bill Qty)	7.059			
	Qty b/f CMB No.315/EE-III/SWM/MC/2021-22 vide page no.12 (18th R.A Bill Qty)	7.059			
	Qty b/f CMB No.315/EE-III/SWM/MC/2021-22 vide page no.17 (18th R.A Bill Qty)	7.059			
	Qty b/f CMB No.315/EE-III/SWM/MC/2021-22 vide page no.22 (18th R.A Bill Qty)	7.059			
	Qty b/f CMB No.315/EE-III/SWM/MC/2021-22 vide page no.33 (18th R.A Bill Qty)	12.649			
	Total	**399.785**	**Sqm**	**Rs. 150.00**	**Rs. 59,967.75**
1.16	Providing and fixing FRP Pultruded hand rail with PU coating with 50x50x6mm post, top ergonomic hand rail 70x65x4mm mild omega shaped 80x4mm Toe/knee plate 80x3 mm with FRP Foot mount & SS 316 L fasterners Height 600mm AND FRP post at every 1.5 meter as per the direction of the engineer in charge.				
	Qty b/f CMB No.304/EE-III/SWM/MC/2021-22 vide page no.16 (13th R.A Bill Qty)	63.200			
	Qty b/f CMB No.306/EE-III/SWM/MC/2021-22 vide page no.07 (14th R.A Bill Qty)	90.000			
	Qty b/f CMB No.308/EE-III/SWM/MC/2021-22 vide page no.07 (15th R.A Bill Qty)	140.000			
	Qty b/f CMB No.314/EE-III/SWM/MC/2021-22 vide page no.07 (17th R.A Bill Qty)	580.000			
	Total	**293.200**	**meter**	**Rs. 5,600.00**	**Rs. 1,641,920.00**
		580.000	**meter**	**Rs. 4,200.00**	**Rs. 2,436,000.00**
1.17	Providing and laying factory made chamfered edge Cement Concrete paver blocks in foot path, park & lawns driveway or light & traffic parking etc. of required strength, thickness & size/shape, made by table vibratory method using PU mould, laid in required colour & pattern over 50 mm thick compacted bed of course sand, compacting and proper embedding/laying of inter locking paver blocks unto the sand bedding layer through vibratory compaction by using plate vibrator, filling the joints with sand and cutting of paver blocks as per required size and pattern, finishing and sweeping extra sand, all complete as per manufacturer's specifications & direction of Engineer-in-Charge. 80mm thick Cement concrete paver block of M-35 grade with approved colour, design & pattern.				
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.14 (9th R.A Bill Qty)	1898.814			
	Qty b/f CMB No.285/EE-III/SWM/MC/2021-22 vide page no.07 (10th R.A Bill Qty)	428.519			
	Qty b/f CMB No.306/EE-III/SWM/MC/2021-22 vide page no.07 (14th R.A Bill Qty)	856.330			
	Qty b/f CMB No.308/EE-III/SWM/MC/2021-22 vide page no.11 (15th R.A Bill Qty)	230.725			
	Qty b/f CMB No.312/EE-III/SWM/MC/2021-22 vide page no.09 (16th R.A Bill Qty)	130.800			
	Total	**3545.188**	**Sqm**	**Rs. 2,300.00**	**Rs. 8,153,932.40**

1.19	Demolishing R.C.C work manually/ by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge.				
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.14 (9th R.A Bill Qty)	28.211			
	Total	**28.211**	**Cum**	**Rs. 1,100.00**	**Rs. 31,032.10**
1.2	Demolishing cement concrete manually/ by mechanical means and disposal of material within 50 metres lead as per direction of Engineerin-charge. cum Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix)				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.03 (2nd R.A Bill Qty)	2.963			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.08 (3rd R.A Bill Qty)	65.457			
	Qty b/f CMB No.267/EE-III/SWM/MC/2020-21 vide page no.07 (8th R.A Bill Qty)	21.475			
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.14 (9th R.A Bill Qty)	43.554			
	Qty b/f CMB No.304/EE-III/SWM/MC/2021-22 vide page no.09 (13th R.A Bill Qty)	2.892			
	Total	**136.341**	**Cum**	**Rs. 1,100.00**	**Rs. 149,975.10**
2	**ELECTRICAL WORKS**				
2.01	Supply of 8 Mtr. height decorative Chatsworth pole having cast iron decorative base and pipe dia of 165mm dia & 1 mtr long with cast iron reducer joining with 101mm OD straight pipe. Pole shall be mounted on square base plate. Decorative Cascade bracket with 940mm height mounted on pole. Pole and two brackets at differential height shall be galvanized and painted with PU paint in closed paint chamber with heating treatment in chamber. Make: Surya				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.03 (2nd R.A Bill Qty)	50.000			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.08 (3rd R.A Bill Qty)	15.000			
	Total	**65.000**	**Nos**	**Rs. 64,000.00**	**Rs. 4,160,000.00**
2.02	Supply of Decorative Luminaires for Urban lighting, body made of painted spun aluminum. The protector is made of polycarbonate grade UVresistant (IK 08). Permanently sealed optical compartment with IP66 protection. Luminaire offers tool free access to gear compartment with IP44 protection. Luminaire can be installed as a suspended luminaire. The luminaire is equipped with the LensoFlex2® technology photometric system. PMMA lenses with wide photometry for increased pole spacing. Fixture is having a surge protection of 10KA. Electronic driver is having power factor>0.90*, THD<20*% and input voltage range from 120-227V AC at 50Hz. Luminaire efficacy is 100 lm/ watt system lumen greater than 7500 lumens in CCT range of 4000 as per ANSI. System life of 50000 burning hours with 70% of initial lumens maintained. Luminaire is suitable for operating temperature (Ta) from -20 to 50c. Driver can withstand 320V AC for 48 hours and 360V AC for 2 hours. Make: Surya SLE PT				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.03 (2nd R.A Bill Qty)	50.000			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.09 (3rd R.A Bill Qty)	15.000			
	Total	**65.000**	**Nos**	**Rs. 40,000.00**	**Rs. 2,600,000.00**

2.03	Supply of Decorative Luminaires for Urban lighting, body made of painted spun aluminum. The protector is made of polycarbonate grade UVresistant (IK 08). Permanently sealed optical compartment with IP66 protection. Luminaire offers tool free access to gear compartment with IP44 protection. Luminaire can be installed as a suspended luminaire. The luminaire is equipped with the Lensoflex2® technology photometric system. PMMA lenses with wide photometry for increased pole spacing. Fixture is having a surge protection of 10KA. Electronic driver is having power factor>0.90*, THD<20*% and input voltage range from 120-227V AC at 50Hz. Luminaire efficacy is 100 lm/ watt system lumen greater than 7500 lumens in CCT range of 4000 as per ANSI. System life of 50000 burning hours with 70% of initial lumens maintained. Luminaire is suitable for operating temperature (Ta) from -20 to 50c. Driver can withstand 320V AC for 48 hours and 360V AC for 2 hours. Make: Surya SLE PT 40W VEGA				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.04 (2nd R.A Bill Qty)	50.000			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.09 (3rd R.A Bill Qty)	15.000			
	Total	**65.000**	**Nos**	**Rs. 33,500.00**	**Rs. 2,177,500.00**
2.04	Providing of XLPE (IS:7098) (I)-88 ISI armoured cable multistrand Aluminium conductor for 1.1 KV, to be laid				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.04 (2nd R.A Bill Qty)	1500.000	1950 mtr x 275		536250/-
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.09 (3rd R.A Bill Qty)	1500.000	1020 mtr x 206.25		216562/50
	Total	**3000.000**	**Mtr**	**Rs. 275.00**	**Rs. 825,000.00**
2.05	Supply of 50mm DWC pipes of approved make for covering of cable.				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.04 (2nd R.A Bill Qty)	1200.000	1560 mtr x 230/-		358800/-
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.10 (3rd R.A Bill Qty)	1200.000	840 x 172/50		144900/-
	Total	**2400.000**	**Mtr**	**Rs. 230.00**	**Rs. 552,000.00**
2.06	Supply of Flexible PVC insulated multistrand multicore 1.1 kv grade ISI marked copper wires of following size to be erected as directed 1.50 Sq.mm 3 core round PVC sheathed.				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.04 (2nd R.A Bill Qty)	700.000	910. mtr x 255		232050/-
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.10 (3rd R.A Bill Qty)	700.000	490 mtr x 191.25		93712/-
	Total	**1400.000**	**Mtr**	**Rs. 255.00**	**Rs. 357,000.00**
3	**SUB HEAD : Installation, Testing and Commissioning of Streetlight System**				
3.01	Installation of 8 mtr Decorative Pole including excavation and constructing M-20/1:2:4 cement concrete foundation of size 45 x 45 x 120 cms. Deep as directed by Engineer-in-charge.				
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.17 (9th R.A Bill Qty)	15.000			
	Qty b/f CMB No.285/EE-III/SWM/MC/2021-22 vide page no.10 (10th R.A Bill Qty)	1.000			
	Total	**16.000**	**Nos**	**Rs. 5,550.00**	**Rs. 88,800.00**

3.02	Installation, Testing and Commissioning of 75/40 watt Decorative LED Luminaries.				
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.17 (9th R.A Bill Qty)	30.000			
	Total	**30.000**	**Nos**	**Rs. 700.00**	**Rs. 21,000.00**
3.03	Excavation and laying of DWC pipe at a 90 mm below the ground level/level below PCC in Jogging trck. Item includes refilling of the same trench				
	Qty b/f CMB No.285/EE-III/SWM/MC/2021-22 vide page no.10 (10th R.A Bill Qty)	540.500			
	Qty b/f CMB No.302/EE-III/SWM/MC/2021-22 vide page no.10 (12th R.A Bill Qty)	80.650			
	Total	**621.150**	**Mtr**	**Rs. 325.00**	**Rs. 201,873.75**
3.04	Laying of 4x16 Sqmm Aluminium armoured cable in existing laid DWC pipe/on wall.				
	Qty b/f CMB No.285/EE-III/SWM/MC/2021-22 vide page no.10 (10th R.A Bill Qty)	500.460			
	Total	**500.460**	**Mtr**	**Rs. 60.00**	**Rs. 30,027.60**
3.05	Erecting of 3 core 1.5 sqmm copper flexible cable in pole from junction box to Luminaries				
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.17 (9th R.A Bill Qty)	300.000			
	Total	**300.000**	**Nos**	**Rs. 42.00**	**Rs. 12,600.00**
	EXTRA ITEM				
1.00	To provide structural design analysis with strucutal reinforcement details for construction of siutable wall section for the proposed construction of sea wall in front of Girls School along with the sea coast to a height of 3.00 mtrs suggesting appropriate section, designing of section and supply of detailed working drawings in CAD format 04 sets of CD and also vetted by any reconginised engineering college by Govt of India complete.				
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.17 (9th R.A Bill Qty)	1.000			
	Total	**1.000**	**Nos**	**Rs. 69,620.00**	**Rs. 69,620.00**
2.00	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including getting out and disposal of excavated earth lead upto 50 m and lift upto 1.5 m, as directed by Engineer-in-charge. All kinds of soil.				
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.17 (9th R.A Bill Qty)	4739.630			
	Total	**4739.630**	**Cum**	**Rs. 242.00**	**Rs. 1,146,990.46**
3.00	Carriage of Materials by mechanical transport including loading, unloading and stacking of earth for a lead of 05 kms.				
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.17 (9th R.A Bill Qty)	4739.630			
	Total	**4739.630**	**Cum**	**Rs. 228.23**	**Rs. 1,081,725.75**
4.00	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m.				
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.17 (9th R.A Bill Qty)	4667.865			
	Total	**4667.865**	**Cum**	**Rs. 197.00**	**Rs. 919,569.41**
				Total Workdone Amount	**Rs. 82,448,065.62**

82108527.98

Say - 82108528.

	site ... the materials brought at				
1.09	**Material Laying at site - Steel** TMT bars of size 8mm, 10mm, 12mm, 16mm and 20mm restricted to 90% of element cost	216020.00	Kg	Rs. 49.50	Rs. 10,692,990.00 42801518.
				Total Gross Value	**Rs. 93,141,055.62**
				Paid in 2nd RA Bill	**Rs. 19,024,930.00**
				Paid in 3rd RA Bill	**Rs. 14,369,518.00**
				Paid in 4th RA Bill	**Rs. 2,420,254.00**
				Paid in 5th RA Bill	**Rs. 2,426,737.00**
				Paid in 6th RA Bill	**Rs. 2,379,507.00**
				Paid in 7th RA Bill	**Rs. 2,434,807.00**
				Paid in 8th RA Bill	**Rs. 2,481,634.00**
				Paid in 9th RA Bill	**Rs. 25,054,173.00**
				Paid in 10th RA Bill	**Rs. 2,485,858.00**
				Paid in 11th RA Bill	**Rs. 2,478,212.00**
				Paid in 12th RA Bill	**Rs. 2,491,524.00**
				Paid in 13th RA Bill	**Rs. 2,463,149.00**
				Paid in 14th RA Bill	**Rs. 2,473,556.00**
				Paid in 15th RA Bill	**Rs. 2,483,197.00**
				Paid in 16th RA Bill	**Rs. 2,176,539.00**
				Paid in 17th RA Bill	**Rs. 2,436,000.00**
				Gross Value of 18th RA Bill	**Rs. 3,061,460.62**
	RECOVERY DETAILS			**SAY**	**Rs. 3,061,461.00**
(i)	Schedule B Aggregates (-)			**Gross Value (A)**	**Rs. 3,061,461.00**
	a) Already recovered in 3rd RA Bill	2845961.00			
	b) Already recovered in 4th RA Bill	1225808.00			
	c) Already recovered in 5th RA Bill	224120.00			
	d) Already recovered in 6th RA Bill	216190.00			
	e) Already recovered in 7th RA Bill	201532.00			
	f) Already recovered in 8th RA Bill	239032.00			
	g) Already recovered in 9th RA Bill	241859.00			
	h) Already recovered in 10th RA Bill	497420.00			
	i) Already recovered in 11th RA Bill	- 0.00			
	j) Already recovered in 12th RA Bill	0.00			
	k) Already recovered in 13th RA Bill	0.00			
	l) Already recovered in 14th RA Bill	0.00			
	m) Already recovered in 15th RA Bill	-0.00			
	n) Already recovered in 16th RA Bill	0.00			
	o) Already recovered in 17th RA Bill	0.00			
	p) To be recovered in this bill	0.00			
		Rs. 0.00			Rs. 0.00

(ii)	Material Laying at site - Steel			
	a) Already recovered in 3rd RA Bill	7978173.00		
	b) Already recovered in 4th RA Bill	1601924.00		
	c) Already recovered in 5th RA Bill	324012.00		
	d) Already recovered in 6th RA Bill	424990.00		
	e) Already recovered in 7th RA Bill	399197.00		
	f) Already recovered in 8th RA Bill	364686.00		
	g) Already recovered in 9th RA Bill	217034.00		
	h) Already recovered in 10th RA Bill	2160074.00		
	i) Already recovered in 11th RA Bill	330719.00		
	j) Already recovered in 12th RA Bill	400216.00		
	k) Already recovered in 13th RA Bill	471436.00		
	l) Already recovered in 14th RA Bill	301802.00		
	m) Already recovered in 15th RA Bill	0.00		
	n) Already recovered in 16th RA Bill	167267.00		
	o) Already recovered in 17th RA Bill	356405.00		
	p) To be recovered in this bill	0.00		Rs. 458,711.00
(iii)	Security deposit @ 2.5% on Total Gross Value	Rs. 458,711.00		
	a) Already recovered in 2nd RA Bill	2328526.39		
	b) Already recovered in 3rd RA Bill	475623.00		
	c) Already recovered in 4th RA Bill	359238.00		
	d) Already recovered in 5th RA Bill	60506.55		
	e) Already recovered in 6th RA Bill	60668.39		
	f) Already recovered in 7th RA Bill	59487.70		
	g) Already recovered in 8th RA Bill	60870.19		
	h) Already recovered in 9th RA Bill	62041.00		
	i) Already recovered in 10th RA Bill	626354.00		
	j) Already recovered in 11th RA Bill	62146.00		
	k) Already recovered in 12th RA Bill	61955.00		
	l) Already recovered in 13th RA Bill	62288.00		
	m) Already recovered in 14th RA Bill	61579.00		
	n) Already recovered in 15th RA Bill	61839.00		
	o) Already recovered in 16th RA Bill	62080.00		
	p) Already recovered in 17th RA Bill	54413.00		
	q) To be recovered in this bill	60900.00		Rs. 76,538.00
(iv)	IT @ 2% on Total Gross Value	Rs. 76,538.00		
	a) Already recovered in 1st RA Bill	1862821.11		
	b) Already recovered in 2nd RA Bill	99751.00		
	c) Already recovered in 3rd RA Bill	380499.00		
	d) Already recovered in 4th RA Bill	287390.00		
	e) Already recovered in 5th RA Bill	48405.08		
	f) Already recovered in 6th RA Bill	-51216.33		
	g) Already recovered in 7th RA Bill	47590.16		
	h) Already recovered in 8th RA Bill	48696.15		
	i) Already recovered in 9th RA Bill	49633.00		
	j) Already recovered in 10th RA Bill	501083.00		
	k) Already recovered in 11th RA Bill	49717.00		
	l) Already recovered in 12th RA Bill	49564.00		
	m) Already recovered in 13th RA Bill	49830.00		
	n) Already recovered in 14th RA Bill	49263.00		
	o) Already recovered in 15th RA Bill	49471.00		
	p) Already recovered in 16th RA Bill	49664.00		
	q) Already recovered in 17th RA Bill	43531.00		
	r) To be recovered in this bill	48720.00		Rs. 61,230.00
		Rs. 61,230.00		

(v)	Labour Welfare Cess @ 1% on Total Gross Value			
	a) Already recovered in 2nd RA Bill	931410.56		
	b) Already recovered in 3rd RA Bill	190249.00		
	c) Already recovered in 4th RA Bill	143695.00		
	d) Already recovered in 5th RA Bill	24202.02		
	e) Already recovered in 6th RA Bill	24267.35		
	f) Already recovered in 7th RA Bill	23795.09		
	g) Already recovered in 8th RA Bill	24348.07		
	h) Already recovered in 9th RA Bill	24816.00		
	i) Already recovered in 10th RA Bill	250542.00		
	j) Already recovered in 11th RA Bill	24859.00		
	k) Already recovered in 12th RA Bill	24782.00		
	l) Already recovered in 13th RA Bill	24915.00		
	m) Already recovered in 14th RA Bill	24631.00		
	n) Already recovered in 15th RA Bill	24736.00		
	o) Already recovered in 16th RA Bill	24832.00		
	p) Already recovered in 17th RA Bill	21765.00		
	q) To be recovered in this bill	24360.00		
		Rs. 30,615.00		Rs. 30,615.00
(vi)	UGST @ 1% on Total Gross Value			
	a) Already recovered in 1st RA Bill	931410.56		
	b) Already recovered in 2nd RA Bill	49875.50		
	c) Already recovered in 3rd RA Bill	190249.50		
	d) Already recovered in 4th RA Bill	143695.00		
	e) Already recovered in 5th RA Bill	24202.52		
	f) Already recovered in 6th RA Bill	-25608.15		
	g) Already recovered in 7th RA Bill	23795.09		
	h) Already recovered in 8th RA Bill	24348.07		
	i) Already recovered in 9th RA Bill	24816.00		
	j) Already recovered in 10th RA Bill	250542.00		
	k) Already recovered in 11th RA Bill	24859.00		
	l) Already recovered in 12th RA Bill	24782.00		
	m) Already recovered in 13th RA Bill	24915.00		
	n) Already recovered in 14th RA Bill	24631.00		
	o) Already recovered in 15th RA Bill	24736.00		
	p) Already recovered in 16th RA Bill	24832.00		
	q) Already recovered in 17th RA Bill	21765.00		
	r) To be recovered in this bill	24360.00		
		Rs. 30,615.00		Rs. 30,615.00
(vii)	CGST @ 1% on Total Gross Value	931410.56		
	a) Already recovered in 1st RA Bill	49875.50		
	b) Already recovered in 2nd RA Bill	190249.50		
	c) Already recovered in 3rd RA Bill	143695.00		
	d) Already recovered in 4th RA Bill	24202.52		
	e) Already recovered in 5th RA Bill	-25608.15		
	f) Already recovered in 6th RA Bill	23795.09		
	g) Already recovered in 7th RA Bill	24348.07		
	h) Already recovered in 8th RA Bill	24816.00		
	i) Already recovered in 9th RA Bill	250542.00		
	j) Already recovered in 10th RA Bill	24859.00		
	k) Already recovered in 11th RA Bill	24782.00		
	l) Already recovered in 12th RA Bill	24915.00		
	m) Already recovered in 13th RA Bill	24631.00		
	n) Already recovered in 14th RA Bill	24736.00		
	o) Already recovered in 15th RA Bill	24832.00		
	p) Already recovered in 16th RA Bill	21765.00		
	q) Already recovered in 17th RA Bill	24360.00		
	r) To be recovered in this bill	Rs. 30,615.00		Rs. 30,615.00
			Total Recovery (B)	**Rs. 688,324.00**
			Net Amount Payable in this Bill (A-B)	**Rs. 2,373,137.00**
			Says	**Rs. 2,373,137.00**

Net Amount in words:- (Rupees Twenty Three Lakhs Seventy Three Thousand One Hundred and Thirty Seven Only)

Certified that:-

1. The work has been executed as per terms and conditions of the agreement.
2. No material and T & P has been issued from the Department.
3. Own arrangements for water has been made.
4. No Labour Complaints has been received.
5. Requisite technical staff has been employed as per agreement.
6. Up to date recoveries have been effected in this bill.
7. All Mandatory Test have been conducted.

Signature of the Contractor

Signature of the AE

Signature of the EE (Works)

Secured Advance against the materials brought at site

Name of Work:- Marine esplanade: Marina road restructuring with uniform carriage way, walking track, street lighting, street furniture, service core trenching and land scaping.

Agreement No :- 01 (PBSPL) of 2020-21

Agency :- M/s. Surendra Infrastructure (P) Ltd.

Serial no of this bill :- 18th RA Bill

S.No	Sch Item No.	Description of Items	Quantity	Unit	Rate Allowed	Amount
1	1.09	Steel TMT Bars	161181.278	Kgs	49.50	7978473.261
					Total Amount	**7978473.26**
					Says	**7978473.00**

Junior Engineer-III (Works)
PBMC

THEORETICAL STATEMENT

Name of Work:- Marine esplanade: Marina road restructuring with uniform carriage way, walking track, street lighting, street furniture, service core trenching and land scaping.

Agreement No :- 01 (PBSPL) of 2020-21

Agency :- M/s. Surendra Infrastructure (P) Ltd.

Serial no of this bill :- 18th RA Bill

S.No	Sch Item No.	Description of Items	Quantity	Unit	Coefficient	Quantity
1	1.04	**PCC 1:4:8**	4.464	Cum		
		Cement		Bags	3.410	15.222
		Pulverised Sand		Cum	0.470	2.098
		Stone aggregates 40mm		Cum	0.950	4.241
2	1.08	**M-40**	106.190	Cum		
		Cement		Bags	8.840	938.720
		Pulverised Sand		Cum	0.454	48.210
		Stone aggregates 20mm		Cum	0.277	29.415
		Stone aggregates 12.5mm		Cum	0.415	44.069

Junior Engineer-III (Works)
PBMC

Ref. Page No: 1 to 18 of

Authority: Agr. No: 01 (PBSPL) of 2020-21

Name: Marina Esplanade: Marina Road Restructuring with Utilities carriage walkway walking Track Street lighting street furniture service core Trenching and landscaping.

Agency: M/s. Surendra Infrastructure (P) Ltd.

Gross value of work done → ₹52,81,756.00

Already paid upto 13th RA → ₹28,56,834.00

Gross value of 14th RA Bill → 24,24,922.00

Material laying at site now recovered → 458711.00 (A)

Already paid in 2nd RA 1966211.00

Ded:

(1) Interest recovery against mobilization advance sanction and recovered in fully } → 526086.00 (B)

(2) Less recovery of mobilization advance } → 3.00 (C)

Total Recovery (A+B+C) → 526089.00

~~Net Payable~~ →

Total Recovery (A+B+C) → ~~984800.00~~ 1,40,722.00

Net Payable Rs — 14,40,122.00

18th RA Bill in respect of M/s. Surendra Infrastructure (P) Ltd. vide Agr. No: 01 (PBSPL) of 2020-21 is passed for Rs. 24,24,922/- (Rupees Twenty four lakhs Twenty four thousand nine hundred Twenty two only)

Executive Engineer – III (WKS)
Municipal Council
Port Blair

Payment released for Rs. 14,40,122/-

Accounts Officer – III
Municipal Council
Port Blair

Division:- Executive Engineer-III (SWM/MC), Port Blair Municipal Council, Port Blair

(19th R.A BILL)

COMPUTERIZED MEASUREMENT BOOK

(DETAILS OF ABSTRACT)

CMB No:- 324/EE-III/SWM/MC/2021-22

Name of Work: - Marine esplanade: Marina road restructuring with uniform carriage way, walking track, street lighting, street furniture, service core trenching and land scaping.

Name of Contractor: - M/s. Surendra Infrastructure (P) Ltd.

Agreement No.: - 01 (PBSPL) of 2020-2021

Certified that this Computerized measurement book bearing no.324/EE-III/SWM/MC/2021-22 contains **18** leaves serially numbered from pages 01 to 18 and two blank pages without any damage.

Signature of
Contractor

Signature of
Assistant Engineer

Signature of
Executive Engineer

ABSTRACT OF COST

(19th R.A Bill)

Name of Work:- Marine esplanade: Marina road restructuring with uniform carriage way, walking track, street lighting, street furniture, service core trenching and land scaping.

Agreement No. :- 01 (PBSPL) of 2020-2021

Name of Agency :- M/s. Surendra Infrastructure (P) Ltd.

Date of Commencement :- 07.12.2020

Date of Completion :- In Progress

Reference to previous measurement, if any :- NIL

Serial no. of this bill :- 19th RA Bill

CMB no. of this bill :- 324/EE-III/SWM/MC/2021-22

Date of Abstract :-

Item No.	Particulars	Quantity	Unit	Rate	Amount
1	**CIVIL WORKS**				
1.01	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m. a) All kinds of soil.				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.01 (2nd R.A Bill Qty)	17.617			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.01 (3rd R.A Bill Qty)	139.362			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.01 (4th R.A Bill Qty)	54.283			
	Qty b/f CMB No.267/EE-III/SWM/MC/2020-21 vide page no.01 (8th R.A Bill Qty)	69.113			
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.01 (9th R.A Bill Qty)	2902.781			
	Total	**3183.156**	**Cum**	**Rs. 225.00**	**Rs. 716,210.10**
1.02	Excavation work by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m. Hard rock (blasting prohibited)				
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.01 (9th R.A Bill Qty)	242.226			
	Total	**242.226**	**Cum**	**Rs. 500.00**	**Rs. 121,113.00**
1.03	Filling with available pulverised sand				
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.01 (9th R.A Bill Qty)	144.052			
	Qty b/f CMB No.287/EE-III/SWM/MC/2021-22 vide page no.01 (11th R.A Bill Qty)	15.969			
	Total	**160.021**	**Cum**	**Rs. 3,400.00**	**Rs. 544,071.40**

1.04	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:4:8 (1 Cement : 4 coarse sand (Zone III) : 8 graded stone aggregate 40 mm nominal size)				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.01 (2nd R.A Bill Qty)	11.242			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.02 (3rd R.A Bill Qty)	85.005			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.01 (4th R.A Bill Qty)	11.369			
	Qty b/f CMB No.235/EE-III/SWM/MC/2020-21 vide page no.01 (5th R.A Bill Qty)	8.928			
	Qty b/f CMB No.241/EE-III/SWM/MC/2020-21 vide page no.01 (6th R.A Bill Qty)	2.864			
	Qty b/f CMB No.243/EE-III/SWM/MC/2020-21 vide page no.01 (7th R.A Bill Qty)	13.392			
	Qty b/f CMB No.267/EE-III/SWM/MC/2020-21 vide page no.02 (8th R.A Bill Qty)	15.993			
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.02 (9th R.A Bill Qty)	194.516			
	Qty b/f CMB No.287/EE-III/SWM/MC/2021-22 vide page no.02 (11th R.A Bill Qty)	15.969			
	Qty b/f CMB No.308/EE-III/SWM/MC/2021-22 vide page no.06 (15th R.A Bill Qty)	4.464			
	Qty b/f CMB No.312/EE-III/SWM/MC/2021-22 vide page no.02 (16th R.A Bill Qty)	9.280			
	Qty b/f CMB No.316/EE-III/SWM/MC/2021-22 vide page no.02 (18th R.A Bill Qty)	4.464			
	Qty b/f CMB No.323/EE-III/SWM/MC/2021-22 vide page no.02 (19th R.A Bill Qty)	4.464		292.318 94.096	
	Qty b/f CMB No.323/EE-III/SWM/MC/2021-22 vide page no.10 (19th R.A Bill Qty)	4.464			
	Total	**386.414**	**Cum**	**Rs. 9,250.00**	**Rs. 3,574,329.50**
1.05	Providing and laying in position machine batched and machine mixed design mix M-25 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying but excluding the cost of centering, shuttering, finishing and reinforcement, including admixtures in recommended proportions as per IS: 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer-in charge."(Note :- Cement content considered in this item is @ 330 kg/cum."Excess/ less cement used as per design mix is payable/recoverable separately). All works upto plinth level				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.01 (2nd R.A Bill Qty)	10.528			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.03 (3rd R.A Bill Qty)	320.952			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.02 (4th R.A Bill Qty)	59.176			
	Qty b/f CMB No.235/EE-III/SWM/MC/2020-21 vide page no.02 (5th R.A Bill Qty)	58.454			
	Qty b/f CMB No.241/EE-III/SWM/MC/2020-21 vide page no.02 (6th R.A Bill Qty)	16.382			

	Qty b/f CMB No.243/EE-III/SWM/MC/2020-21 vide page no.02 (7th R.A Bill Qty)	74.954			
	Qty b/f CMB No.267/EE-III/SWM/MC/2020-21 videpage no.02 (8th R.A Bill Qty)	81.964			
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.04 (9th R.A Bill Qty)	310.818			
	Qty b/f CMB No.302/EE-III/SWM/MC/2021-22 vide page no.02 (12th R.A Bill Qty)	11.773			
	Qty b/f CMB No.308/EE-III/SWM/MC/2021-22 vide page no.06 (15th R.A Bill Qty)	29.227			
	Qty b/f CMB No.312/EE-III/SWM/MC/2021-22 vide page no.03 (16th R.A Bill Qty)	60.496			
	Qty b/f CMB No.316/EE-III/SWM/MC/2021-22 vide page no.03 (18th R.A Bill Qty)	29.227			
	Qty b/f CMB No.323/EE-III/SWM/MC/2021-22 vide page no.03 (19th R.A Bill Qty)	16.500			
	Qty b/f CMB No.323/EE-III/SWM/MC/2021-22 vide page no.04 (19th R.A Bill Qty)	12.727			
	Qty b/f CMB No.323/EE-III/SWM/MC/2021-22 vide page no.10 (19th R.A Bill Qty)	16.500			
	Qty b/f CMB No.323/EE-III/SWM/MC/2021-22 vide page no.11 (19th R.A Bill Qty)	12.727			
	Total	**1122.405**	**Cum**	**Rs. 11,000.00**	**Rs. 12,346,455.00**
1.06	Extra for laying RCC in or under water and/or liquid mud, including cost of pumping or bailing out water and removing slush etc., complete.				
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.03 (3rd R.A Bill Qty)	320.702			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.02 (4th R.A Bill Qty)	80.263			
	Qty b/f CMB No.235/EE-III/SWM/MC/2020-21 vide page no.2 (5th R.A Bill Qty)	89.103			
	Qty b/f CMB No.241/EE-III/SWM/MC/2020-21 vide page no.02 (6th R.A Bill Qty)	24.914			
	Qty b/f CMB No.243/EE-III/SWM/MC/2020-21 vide page no.02 (7th R.A Bill Qty)	110.070			
	Qty b/f CMB No.267/EE-III/SWM/MC/2020-21 vide page no.03 (8th R.A Bill Qty)	68.142			
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.04 (9th R.A Bill Qty)	466.494			
	Qty b/f CMB No.302/EE-III/SWM/MC/2021-22 vide page no.03 (12th R.A Bill Qty)	17.265			
	Qty b/f CMB No.308/EE-III/SWM/MC/2021-22 vide page no.08 (15th R.A Bill Qty)	44.553			
	Qty b/f CMB No.312/EE-III/SWM/MC/2021-22 vide page no.03 (16th R.A Bill Qty)	92.508			
	Qty b/f CMB No.316/EE-III/SWM/MC/2021-22 vide page no.03 (18th R.A Bill Qty)	44.553			
	Qty b/f CMB No.323/EE-III/SWM/MC/2021-22 vide page no.05 (19th R.A Bill Qty)	44.553	202.800 x 650.00 1244.823 x 487.50		131820.00 606875.59
	Qty b/f CMB No.323/EE-III/SWM/MC/2021-22 vide page no.12 (19th R.A Bill Qty)	44.553			
	Total	**1447.673**	**Cum**	**Rs. 650.00**	**Rs. 940,987.45**

1.07	Providing and laying in position machine batched and machine mixed design mix M-25 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying but excluding the cost of centering, shuttering, finishing and reinforcement, including admixtures in recommended proportions as per IS: 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer-in charge."(Note :- Cement contentconsidered in this item is @ 330 kg/cum."Excess/ less cement used as per design mix is payable/recoverable separately). All works above plinth level upto floor V level				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.02 (2nd R.A Bill Qty)	14.812			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.04 (3rd R.A Bill Qty)	222.185			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.03 (4th R.A Bill Qty)	52.226			
	Qty b/f CMB No.235/EE-III/SWM/MC/2020-21 vide page no.03 (5th R.A Bill Qty)	52.747			
	Qty b/f CMB No.241/EE-III/SWM/MC/2020-21 vide page no.03 (6th R.A Bill Qty)	93.837			
	Qty b/f CMB No.243/EE-III/SWM/MC/2020-21 vide page no.03 (7th R.A Bill Qty)	43.768			
	Qty b/f CMB No.267/EE-III/SWM/MC/2020-21 vide page no.03 (8th R.A Bill Qty)	45.130			
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.06 (9th R.A Bill Qty)	363.021			
	Qty b/f CMB No.285/EE-III/SWM/MC/2021-22 vide page no.04 (10th R.A Bill Qty)	45.949			
	Qty b/f CMB No.287/EE-III/SWM/MC/2021-22 vide page no.03 (11th R.A Bill Qty)	131.561			
	Qty b/f CMB No.302/EE-III/SWM/MC/2021-22 vide page no.04 (12th R.A Bill Qty)	111.481			
	Qty b/f CMB No.304/EE-III/SWM/MC/2021-22 vide page no.04 (13th R.A Bill Qty)	113.978			
	Qty b/f CMB No.308/EE-III/SWM/MC/2021-22 vide page no.08 (15th R.A Bill Qty)	22.565			
	Qty b/f CMB No.312/EE-III/SWM/MC/2021-22 vide page no.04 (16th R.A Bill Qty)	35.036			
	Qty b/f CMB No.316/EE-III/SWM/MC/2021-22 vide page no.04 (18th R.A Bill Qty)	76.963			
	Qty b/f CMB No.323/EE-III/SWM/MC/2021-22 vide page no.02 (19th R.A Bill Qty)	5.676			
	Qty b/f CMB No.323/EE-III/SWM/MC/2021-22 vide page no.05 (19th R.A Bill Qty)	10.862			
	Qty b/f CMB No.323/EE-III/SWM/MC/2021-22 vide page no.06 (19th R.A Bill Qty)	11.703			
	Qty b/f CMB No.323/EE-III/SWM/MC/2021-22 vide page no.12 (19th R.A Bill Qty)	10.862			
	Qty b/f CMB No.323/EE-III/SWM/MC/2021-22 vide page no.13 (19th R.A Bill Qty)	11.703			
	Qty b/f CMB No.323/EE-III/SWM/MC/2021-22 vide page no.16 (19th R.A Bill Qty)	10.341			
	Qty b/f CMB No.323/EE-III/SWM/MC/2021-22 vide page no.20 (19th R.A Bill Qty)	10.341			
	Total	**1496.747**	**Cum**	**Rs. 11,400.00**	**Rs. 17,062,915.80**

	Providing M-25 grade concrete. (Note : Cement content considered as per Design Mix M25 - 343 kg/cbm approved.				
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.05 (3rd R.A Bill Qty)	2003.625			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.03 (4th R.A Bill Qty)	389.337			
	Qty b/f CMB No.267/EE-III/SWM/MC/2020-21 vide page no.04 (8th R.A Bill Qty)	520.130			
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.06 (9th R.A Bill Qty)	334.867			
	Qty b/f CMB No.285/EE-III/SWM/MC/2021-22 vide page no.04 (10th R.A Bill Qty)	194.038			
	Qty b/f CMB No.287/EE-III/SWM/MC/2021-22 vide page no.04 (11th R.A Bill Qty)	1710.293			
	Qty b/f CMB No.302/EE-III/SWM/MC/2021-22 vide page no.04 (12th R.A Bill Qty)	1210.950			
	Qty b/f CMB No.304/EE-III/SWM/MC/2021-22 vide page no.04 (13th R.A Bill Qty)	1481.714			
	Extra for providing M-25 grade concrete. (Note : Cement content considered as per Design Mix M25 - 343 kg/cbm approved. (Qty - 5.676 Cum) Cement Qty = 5.676 x 343 = 1946.868 Kg = 5.676 x 330 = 1873.08 Kg Difference Qty = 73.788 Kg	73.788			
	Total	**7918.742**	**Kg**	**Rs. 10.00**	**Rs. 79,187.42**
1.08	Extra for providing richer mixes at all floor levels. Note:- Excess/less cement over the specified cement content used is payable / recoverable separately. Providing M-40 grade concrete instead of M-25 grade BMC/RMC. (Note : Cement content considered in M-40 is @ 360 kg/cum)				
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.05 (3rd R.A Bill Qty)	414.336			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.03 (4th R.A Bill Qty)	81.453			
	Qty b/f CMB No.235/EE-III/SWM/MC/2020-21 vide page no.03 (5th R.A Bill Qty)	111.201			
	Qty b/f CMB No.241/EE-III/SWM/MC/2020-21 vide page no.04 (6th R.A Bill Qty)	110.218			
	Qty b/f CMB No.243/EE-III/SWM/MC/2020-21 vide page no.04 (7th R.A Bill Qty)	118.722			
	Qty b/f CMB No.267/EE-III/SWM/MC/2020-21 vide page no.04 (8th R.A Bill Qty)	75.381			
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.07 (9th R.A Bill Qty)	659.783			
	Qty b/f CMB No.285/EE-III/SWM/MC/2021-22 vide page no.04 (10th R.A Bill Qty)	31.023			
	Qty b/f CMB No.302/EE-III/SWM/MC/2021-22 vide page no.04 (12th R.A Bill Qty)	30.102			
	Qty b/f CMB No.308/EE-III/SWM/MC/2021-22 vide page no.10 (15th R.A Bill Qty)	51.792			
	Qty b/f CMB No.312/EE-III/SWM/MC/2021-22 vide page no.05 (16th R.A Bill Qty)	95.532			
	Qty b/f CMB No.316/EE-III/SWM/MC/2021-22 vide page no.05 (18th R.A Bill Qty)	106.190			
	Qty b/f CMB No.323/EE-III/SWM/MC/2021-22 vide page no.07 (19th R.A Bill Qty)	51.792			
	Qty b/f CMB No.323/EE-III/SWM/MC/2021-22 vide page no.14 (19th R.A Bill Qty)	51.792			
	Qty b/f CMB No.323/EE-III/SWM/MC/2021-22 vide page no.16 (19th R.A Bill Qty)	10.341			
	Qty b/f CMB No.323/EE-III/SWM/MC/2021-22 vide page no.20 (19th R.A Bill Qty)	10.341			
	Total	**2009.999**	**Cum**	**Rs. 320.00**	**Rs. 643,199.68**

	Extra for providing richer mixes M-40 grade concrete. (Note : Cement content considered as per Design Mix M40 - 442 kg/cbm approved.				
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.05 (3rd R.A Bill Qty)	33975.552			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.03 (4th R.A Bill Qty)	6679.146			
	Qty b/f CMB No.235/EE-III/SWM/MC/2020-21 vide page no.03 (5th R.A Bill Qty)	9118.482			
	Qty b/f CMB No.241/EE-III/SWM/MC/2020-21 vide page no.05 (6th R.A Bill Qty)	9037.958			
	Qty b/f CMB No.243/EE-III/SWM/MC/2020-21 vide page no.04 (7th R.A Bill Qty)	9735.204			
	Qty b/f CMB No.267/EE-III/SWM/MC/2020-21 vide page no.04 (8th R.A Bill Qty)	6181.242			
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.08 (9th R.A Bill Qty)	54102.206			
	Qty b/f CMB No.285/EE-III/SWM/MC/2021-22 vide page no.05 (10th R.A Bill Qty)	2543.886			
	Qty b/f CMB No.302/EE-III/SWM/MC/2021-22 vide page no.05 (12th R.A Bill Qty)	2468.364			
	Qty b/f CMB No.308/EE-III/SWM/MC/2021-22 vide page no.05 (15th R.A Bill Qty)	4246.944			
	Qty b/f CMB No.312/EE-III/SWM/MC/2021-22 vide page no.06 (16th R.A Bill Qty)	7833.624			
	Qty b/f CMB No.316/EE-III/SWM/MC/2021-22 vide page no.06 (18th R.A Bill Qty)	8707.580			
	Extra for providing richer mixes M-40 grade concrete. (Note : Cement content considered as per Design Mix M40 - 442 kg/cbm approved. (Qty - 124.266 Cum) Cement Qty = 124.266 x 442 = 54925.572 Kg = 124.266 x 360 = 44735.760 Kg Difference Qty = 10189.812 Kg	10189.812			
	Total	**164820.000**	**Kg**	**Rs. 10.00**	**Rs. 1,648,200.00**
1.09	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level. A) Thermo-Mechanically Treated bars of grade Fe-500D or more.				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.02 (2nd R.A Bill Qty)	1051.813			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.05 (3rd R.A Bill Qty)	31310.281			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.04 (4th R.A Bill Qty)	6545.698			
	Qty b/f CMB No.235/EE-III/SWM/MC/2020-21 vide page no.04 (5th R.A Bill Qty)	8585.653			
	Qty b/f CMB No.241/EE-III/SWM/MC/2020-21 vide page no.06 (6th R.A Bill Qty)	8064.591			
	Qty b/f CMB No.243/EE-III/SWM/MC/2020-21 vide page no.04 (7th R.A Bill Qty)	7367.385			
	Qty b/f CMB No.267/EE-III/SWM/MC/2020-21 vide page no.05 (8th R.A Bill Qty)	4384.528			
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.10 (9th R.A Bill Qty)	43637.869			
	Qty b/f CMB No.285/EE-III/SWM/MC/2021-22 vide page no.05 (10th R.A Bill Qty)	6681.193			
	Qty b/f CMB No.287/EE-III/SWM/MC/2021-22 vide page no. (11th R.A Bill Qty)	8085.169			
	Qty b/f CMB No.302/EE-III/SWM/MC/2021-22 vide page no.06 (12th R.A Bill Qty)	9523.962			

	Qty b/f CMB No.304/EE-III/SWM/MC/2021-22 vide page no.06 (13th R.A Bill Qty)	6097.007			
	Qty b/f CMB No.308/EE-III/SWM/MC/2021-22 vide page no.03 (15th R.A Bill Qty)	3379.127			
	Qty b/f CMB No.312/EE-III/SWM/MC/2021-22 vide page no.07 (16th R.A Bill Qty)	7200.099			
	Qty b/f CMB No.316/EE-III/SWM/MC/2021-22 vide page no.07 (18th R.A Bill Qty)	9266.900			
	Qty b/f CMB No.323/EE-III/SWM/MC/2021-22 vide page no.01 (19th R.A Bill Qty)	442.973			
	Qty b/f CMB No.323/EE-III/SWM/MC/2021-22 vide page no.07 (19th R.A Bill Qty)	1324.998			
	Qty b/f CMB No.323/EE-III/SWM/MC/2021-22 vide page no.08 (19th R.A Bill Qty)	1541.475			
	Qty b/f CMB No.323/EE-III/SWM/MC/2021-22 vide page no.09 (19th R.A Bill Qty)	512.653			
	Qty b/f CMB No.323/EE-III/SWM/MC/2021-22 vide page no.14 (19th R.A Bill Qty)	423.385			
	Qty b/f CMB No.323/EE-III/SWM/MC/2021-22 vide page no.15 (19th R.A Bill Qty)	185.748			
	Qty b/f CMB No.323/EE-III/SWM/MC/2021-22 vide page no.18 (19th R.A Bill Qty)	423.385			
	Qty b/f CMB No.323/EE-III/SWM/MC/2021-22 vide page no.19 (19th R.A Bill Qty)	185.748			
	Total	**166221.643**	**Kg**	**Rs. 91.00**	**Rs. 15,126,169.51**
1.1	12 mm plaster 1:4				
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.10 (9th R.A Bill Qty)	1672.905			
	Qty b/f CMB No.308/EE-III/SWM/MC/2021-22 vide page no.10 (15th R.A Bill Qty)	264.920			
	Qty b/f CMB No.312/EE-III/SWM/MC/2021-22 vide page no.07 (16th R.A Bill Qty)	277.500			
		2215.325	**Sqm**	**Rs. 370.00**	**Rs. 819,670.25**
1.11	Centering and shuttering including strutting, propping etc. and removal of form work for : Foundations, footings, bases for columns				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.02 (2nd R.A Bill Qty)	50.400			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.07 (3rd R.A Bill Qty)	267.000			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.04 (4th R.A Bill Qty)	23.630			
	Qty b/f CMB No.235/EE-III/SWM/MC/2020-21 vide page no.04 (5th R.A Bill Qty)	26.800			
	Qty b/f CMB No.241/EE-III/SWM/MC/2020-21 vide page no.06 (6th R.A Bill Qty)	11.320			
	Qty b/f CMB No.243/EE-III/SWM/MC/2020-21 vide page no.05 (7th R.A Bill Qty)	40.200			
	Qty b/f CMB No.267/EE-III/SWM/MC/2020-21 vide page no.05 (8th R.A Bill Qty)	30.480			
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.11 (9th R.A Bill Qty)	149.200			
	Qty b/f CMB No.308/EE-III/SWM/MC/2021-22 vide page no.06 (15th R.A Bill Qty)	13.400			
	Qty b/f CMB No.312/EE-III/SWM/MC/2021-22 vide page no.07 (16th R.A Bill Qty)	32.160			
	Qty b/f CMB No.316/EE-III/SWM/MC/2021-22 vide page no.07 (18th R.A Bill Qty)	13.400			
	Qty b/f CMB No.323/EE-III/SWM/MC/2021-22 vide page no.03 (19th R.A Bill Qty)	13.400			
	Qty b/f CMB No.323/EE-III/SWM/MC/2021-22 vide page no.10 (19th R.A Bill Qty)	13.400			
	Total	**684.790**	**Sqm**	**Rs. 340.00**	**Rs. 232,828.60**

1.12	Centering and shuttering including strutting, propping etc. and removal of form work for : Retaining walls, return walls, walls (any thickness) including attached pilasters, butteresses, plinth and string courses fillets, kerbs and steps etc.				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.02 (2nd R.A Bill Qty)	142.478			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.08 (3rd R.A Bill Qty)	1784.236			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.04 (4th R.A Bill Qty)	542.815			
	Qty b/f CMB No.235/EE-III/SWM/MC/2020-21 vide page no.05 (5th R.A Bill Qty)	234.276			
	Qty b/f CMB No.241/EE-III/SWM/MC/2020-21 vide page no.07 (6th R.A Bill Qty)	383.468			
	Qty b/f CMB No.243/EE-III/SWM/MC/2020-21 vide page no.05 (7th R.A Bill Qty)	197.338			
	Qty b/f CMB No.267/EE-III/SWM/MC/2020-21 vide page no.06 (8th R.A Bill Qty)	604.812			
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.13 (9th R.A Bill Qty)	1768.461			
	Qty b/f CMB No.285/EE-III/SWM/MC/2021-22 vide page no.07 (10th R.A Bill Qty)	200.384			
	Qty b/f CMB No.287/EE-III/SWM/MC/2021-22 vide page no.06 (11th R.A Bill Qty)	41.326			
	Qty b/f CMB No.302/EE-III/SWM/MC/2021-22 vide page no.07 (12th R.A Bill Qty)	224.470			
	Qty b/f CMB No.304/EE-III/SWM/MC/2021-22 vide page no.07 (13th R.A Bill Qty)	440.680			
	Qty b/f CMB No.308/EE-III/SWM/MC/2021-22 vide page no.07 (15th R.A Bill Qty)	101.159			
	Qty b/f CMB No.312/EE-III/SWM/MC/2021-22 vide page no.08 (16th R.A Bill Qty)	174.256			
	Qty b/f CMB No.316/EE-III/SWM/MC/2021-22 vide page no.08 (18th R.A Bill Qty)	326.227			
	Qty b/f CMB No.323/EE-III/SWM/MC/2021-22 vide page no.01 (19th R.A Bill Qty)	22.846	✓		
	Qty b/f CMB No.323/EE-III/SWM/MC/2021-22 vide page no.04 (19th R.A Bill Qty)	54.261	✓		
	Qty b/f CMB No.323/EE-III/SWM/MC/2021-22 vide page no.06 (19th R.A Bill Qty)	46.898	✓		
	Qty b/f CMB No.323/EE-III/SWM/MC/2021-22 vide page no.11 (19th R.A Bill Qty)	54.261	✓		
	Qty b/f CMB No.323/EE-III/SWM/MC/2021-22 vide page no.13 (19th R.A Bill Qty)	46.898	✓		
	Qty b/f CMB No.323/EE-III/SWM/MC/2021-22 vide page no.15 (19th R.A Bill Qty)	41.918	✓ 7200.00		
	Qty b/f CMB No.323/EE-III/SWM/MC/2021-22 vide page no.19 (19th R.A Bill Qty)	41.918	✓ 275.386		
	Total	**7475.386**	**Sqm**	**Rs. 570.00**	**Rs. 4,260,970.02**
1.13	Centering and shuttering including strutting, propping etc. and removal of form for all heights : Extra for shuttering in circular work (20% of respective centering and shutttering items)				
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.05 (4th R.A Bill Qty)	50.597			
	Qty b/f CMB No.235/EE-III/SWM/MC/2020-21 vide page no.05 (5th R.A Bill Qty)	37.948			
	Qty b/f CMB No.241/EE-III/SWM/MC/2020-21 vide page no.07 (6th R.A Bill Qty)	59.749			

	Qty b/f CMB No.243/EE-III/SWM/MC/2020-21 vide page no.05 (7th R.A Bill Qty)	12.649			
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.13 (9th R.A Bill Qty)	138.574			
	Qty b/f CMB No.285/EE-III/SWM/MC/2021-22 vide page no.07 (10th R.A Bill Qty)	37.948			
	Qty b/f CMB No.302/EE-III/SWM/MC/2021-22 vide page no.07 (12th R.A Bill Qty)	8.786			
	Qty b/f CMB No.316/EE-III/SWM/MC/2021-22 vide page no.08 (18th R.A Bill Qty)	53.534			
	Qty b/f CMB No.323/EE-III/SWM/MC/2021-22 vide page no.17 (19th R.A Bill Qty)	12.649			
	Qty b/f CMB No.323/EE-III/SWM/MC/2021-22 vide page no.21 (19th R.A Bill Qty)	12.649			
	Total	**425.083**	**Sqm**	**Rs. 150.00**	**Rs. 63,762.45**
1.16	Providing and fixing FRP Pultruded hand rail with PU coating with 50x50x6mm post, top ergonomic hand rail 70x65x4mm mild omega shaped 80x4mm Toe/knee plate 80x3 mm with FRP Foot mount & SS 316 L fasterners Height 600mm AND FRP post at every 1.5 meter as per the direction of the engineer in charge.				
	Qty b/f CMB No.304/EE-III/SWM/MC/2021-22 vide page no.16 (13th R.A Bill Qty)	63.200			
	Qty b/f CMB No.306/EE-III/SWM/MC/2021-22 vide page no.07 (14th R.A Bill Qty)	90.000			
	Qty b/f CMB No.308/EE-III/SWM/MC/2021-22 vide page no.07 (15th R.A Bill Qty)	140.000			
	Qty b/f CMB No.314/EE-III/SWM/MC/2021-22 vide page no.07 (17th R.A Bill Qty)	580.000			
	Total	**293.200**	**meter**	**Rs. 5,600.00**	**Rs. 1,641,920.00**
		580.000	**meter**	**Rs. 4,200.00**	**Rs. 2,436,000.00**
1.17	Providing and laying factory made chamfered edge Cement Concrete paver blocks in foot path, park & lawns driveway or light & traffic parking etc. of required strength, thickness & size/shape, made by table vibratory method using PU mould, laid in required colour & pattern over 50 mm thick compacted bed of course sand, compacting and proper embedding/laying of inter locking paver blocks unto the sand bedding layer through vibratory compaction by using plate vibrator, filling the joints with sand and cutting of paver blocks as per required size and pattern, finishing and sweeping extra sand, all complete as per manufacturer's specifications & direction of Engineer-in-Charge. 80mm thick Cement concrete paver block of M-35 grade with approved colour, design & pattern.				
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.14 (9th R.A Bill Qty)	1898.814			
	Qty b/f CMB No.285/EE-III/SWM/MC/2021-22 vide page no.07 (10th R.A Bill Qty)	428.519			
	Qty b/f CMB No.306/EE-III/SWM/MC/2021-22 vide page no.07 (14th R.A Bill Qty)	856.330			
	Qty b/f CMB No.308/EE-III/SWM/MC/2021-22 vide page no.11 (15th R.A Bill Qty)	230.725			
	Qty b/f CMB No.312/EE-III/SWM/MC/2021-22 vide page no.09 (16th R.A Bill Qty)	130.800			
	Total	**3545.188**	**Sqm**	**Rs. 2,300.00**	**Rs. 8,153,932.40**
1.19	Demolishing R.C.C. work manually/ by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge.				
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.14 (9th R.A Bill Qty)	28.211			
	Total	**28.211**	**Cum**	**Rs. 1,100.00**	**Rs. 31,032.10**

1.2	Demolishing cement concrete manually/ by mechanical means and disposal of material within 50 metres lead as per direction of Engineerin-charge. cum Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix)				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.03 (2nd R.A Bill Qty)	2.963			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.08 (3rd R.A Bill Qty)	65.457			
	Qty b/f CMB No.267/EE-III/SWM/MC/2020-21 vide page no.07 (8th R.A Bill Qty)	21.475			
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.14 (9th R.A Bill Qty)	43.554			
	Qty b/f CMB No.304/EE-III/SWM/MC/2021-22 vide page no.09 (13th R.A Bill Qty)	2.892			
	Total	**136.341**	**Cum**	**Rs. 1,100.00**	**Rs. 149,975.10**
2	**ELECTRICAL WORKS**				
2.01	Supply of 8 Mtr. height decorative Chatsworth pole having cast iron decorative base and pipe dia of 165mm dia & 1 mtr long with cast iron reducer joining with 101mm OD straight pipe. Pole shall be mounted on square base plate. Decorative Cascade bracket with 940mm height mounted on pole. Pole and two brackets at differential height shall be galvanized and painted with PU paint in closed paint chamber with heating treatment in chamber, Make: Surya				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.03 (2nd R.A Bill Qty)	50.000			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.08 (3rd R.A Bill Qty)	15.000			
	Total	**65.000**	**Nos**	**Rs. 64,000.00**	**Rs. 4,160,000.00**
2.02	Supply of Decorative Luminaires for Urban lighting, body made of painted spun aluminum. The protector is made of polycarbonate grade UVresistant (IK 08). Permanently sealed optical compartment with IP66 protection. Luminaire offers tool free access to gear compartment with IP44 protection. Luminaire can be installed as a suspended luminaire. The luminaire is equipped with the LensoFlex2® technology photometric system. PMMA lenses with wide photometry for increased pole spacing. Fixture is having a surge protection of 10KA. Electronic driver is having power factor>0.90*, THD<20*% and input voltage range from 120-227V AC at 50Hz. Luminaire efficacy is 100 im/ watt system lumen greater than 7500 lumens in CCT range of 4000 as per ANSI. System life of 50000 burning hours with 70% of initial lumens maintained. Luminaire is suitable for operating temperature (Ta) from -20 to 50c. Driver can withstand 320V AC for 48 hours and 360V AC for 2 hours. Make: Surya SLE PT 75W VEGA				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.03 (2nd R.A Bill Qty)	50.000			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.09 (3rd R.A Bill Qty)	15.000			
	Total	**65.000**	**Nos**	**Rs. 40,000.00**	**Rs. 2,600,000.00**

2.03	Supply of Decorative Luminaires for Urban lighting, body made of painted spun aluminum. The protector is made of polycarbonate grade UVresistant (IK 08). Permanently sealed optical compartment with IP66 protection. Luminaire offers tool free access to gear compartment with IP44 protection. Luminaire can be installed as a suspended luminaire. The luminaire is equipped with the LensoFlex2® technology photometric system. PMMA lenses with wide photometry for increased pole spacing. Fixture is having a surge protection of 10KA. Electronic driver is having power factor>0.90*, THD<20*% and input voltage range from 120-227V AC at 50Hz. Luminaire efficacy is 100 im/ watt system lumen greater than 7500 lumens in CCT range of 4000 as per ANSI. System life of 50000 burning hours with 70% of initial lumens maintained. Luminaire is suitable for operating temperature (Ta) from -20 to 50c. Driver can withstand 320V AC for 48 hours and 360V AC for 2 hours. Make: Surya SLE PT 40W VEGA				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.04 (2nd R.A Bill Qty)	50.000			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.09 (3rd R.A Bill Qty)	15.000			
	Total	**65.000**	**Nos**	**Rs. 33,500.00**	**Rs. 2,177,500.00**
2.04	Providing of XLPE (IS:7098) (I)-88 ISI armoured cable multistrand Aluminium conductor for 1.1 KV. to be laid on wall with necessary clamps or in existing trench/				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.04 (2nd R.A Bill Qty)	1500.000	1950.00 x 275/-		536250.00
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.09 (3rd R.A Bill Qty)	1500.000	1020.00 x 206/25		216562.50
	Total	**3000.000**	**Mtr**	**Rs. 275.00**	**Rs. 825,000.00**
2.05	Supply of 50mm DWC pipes of approved make for covering of cable.				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.04 (2nd R.A Bill Qty)	1200.000	1560 x 230/-		358800/-
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.10 (3rd R.A Bill Qty)	1200.000	840 x 172.50		144900/-
	Total	**2400.000**	**Mtr**	**Rs. 230.00**	**Rs. 552,000.00**
2.06	Supply of Flexible PVC insulated multistrand multicore 1.1 kv grade ISI marked copper wires of following size to be erected as directed 1.50 Sq.mm 3 core round PVC sheathed.				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.04 (2nd R.A Bill Qty)	700.000	910.00 x 255/-		232050/-
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.10 (3rd R.A Bill Qty)	700.000	490.00 x 191.25		93712/-
	Total	**1400.000**	**Mtr**	**Rs. 255.00**	**Rs. 357,000.00**
3	**SUB HEAD : Installation, Testing and Commissioning of Streetlight System**				
3.01	Installation of 8 mtr Decorative Pole including excavation and constructing M-20/1:2:4 cement concrete foundation of size 45 x 45 x 120 cms. Deep as directed by Engineer-in-charge.				
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.17 (9th R.A Bill Qty)	15.000			
	Qty b/f CMB No.285/EE-III/SWM/MC/2021-22 vide page no.10 (10th R.A Bill Qty)	1.000			
	Total	**16.000**	**Nos**	**Rs. 5,550.00**	**Rs. 88,800.00**

3.02	Installation, Testing and Commissioning of 75/40 watt Decorative LED Luminaries.				
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.17 (9th R.A Bill Qty)	30.000			
	Total	**30.000**	**Nos**	**Rs. 700.00**	**Rs. 21,000.00**
3.03	Excavation and laying of DWC pipe at a 90 mm below the ground level/level below PCC in Jogging trck. Item includes refilling of the same trench.				
	Qty b/f CMB No.285/EE-III/SWM/MC/2021-22 vide page no.10 (10th R.A Bill Qty)	540.500			
	Qty b/f CMB No.302/EE-III/SWM/MC/2021-22 vide page no.10 (12th R.A Bill Qty)	80.650			
	Total	**621.150**	**Mtr**	**Rs. 325.00**	**Rs. 201,873.75**
3.04	Laying of 4x16 Sqmm Aluminium armoured cable in existing laid DWC pipe/on wall.				
	Qty b/f CMB No.285/EE-III/SWM/MC/2021-22 vide page no.10 (10th R.A Bill Qty)	500.460			
	Total	**500.460**	**Mtr**	**Rs. 60.00**	**Rs. 30,027.60**
3.05	Erecting of 3 core 1.5 sqmm copper flexible cable in pole from junction box to Luminaries				
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.17 (9th R.A Bill Qty)	300.000			
	Total	**300.000**	**Nos**	**Rs. 42.00**	**Rs. 12,600.00**
	EXTRA ITEM				
1.00	To provide structural design analysis with strucutal reinforcement details for construction of siutable wall section for the proposed construction of sea wall in front of Girls School along with the sea coast to a height of 3.00 mtrs suggesting appropriate section, designing of section and supply of detailed working drawings in CAD format 04 sets of CD and also vetted by any reconginised engineering college by Govt of India complete.				
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.17 (9th R.A Bill Qty)	1.000			
	Total	**1.000**	**Nos**	**Rs. 69,620.00**	**Rs. 69,620.00**
2.00	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including getting out and disposal of excavated earth lead upto 50 m and lift upto 1.5 m, as directed by Engineer-in-charge. All kinds of soil.				
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.17 (9th R.A Bill Qty)	4739.630		~~228.23~~	~~1081725.75~~
	Total	**4739.630**	**Cum**	**Rs. 242.00**	**Rs. 1,146,990.46**
3.00	Carriage of Materials by mechanical transport including loading, unloading and stacking of earth for a lead of 05 kms.				
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.17 (9th R.A Bill Qty)	4739.630			
	Total	**4739.630**	**Cum**	**Rs. 228.23**	**Rs. 1,081,725.75**
4.00	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m.				
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.17 (9th R.A Bill Qty)	4667.865			
	Total	**4667.865**	**Cum**	**Rs. 197.00**	**Rs. 919,569.41**
				Total Workdone Amount	**Rs. 84,836,636.75**

84482619.39

Say 84482619/-

	Secured Advance against the materials brought at site				
1.09	**Material Laying at site - Steel** TMT bars of size 8mm, 10mm, 12mm, 16mm and 20mm restricted to 90% of element cost	**216020.00**	**Kg**	**Rs. 49.50**	**Rs. 10,692,990.00**
				Total Gross Value	**Rs. 95,529,626.75**
				Paid in 2nd RA Bill	**Rs. 19,024,930.00**
				Paid in 3rd RA Bill	**Rs. 14,369,518.00**
				Paid in 4th RA Bill	**Rs. 2,420,254.00**
				Paid in 5th RA Bill	**Rs. 2,426,737.00**
				Paid in 6th RA Bill	**Rs. 2,379,507.00**
				Paid in 7th RA Bill	**Rs. 2,434,807.00**
				Paid in 8th RA Bill	**Rs. 2,481,634.00**
				Paid in 9th RA Bill	**Rs. 25,054,173.00**
				Paid in 10th RA Bill	**Rs. 2,485,858.00**
				Paid in 11th RA Bill	**Rs. 2,478,212.00**
				Paid in 12th RA Bill	**Rs. 2,491,524.00**
				Paid in 13th RA Bill	**Rs. 2,463,149.00**
				Paid in 14th RA Bill	**Rs. 2,473,556.00**
				Paid in 15th RA Bill	**Rs. 2,483,197.00**
				Paid in 16th RA Bill	**Rs. 2,176,539.00**
				Paid in 17th RA Bill	**Rs. 2,436,000.00**
				Paid in 18th RA Bill	**Rs. 2,424,952.00**
				Gross Value of 19th RA Bill	**Rs. 3,025,079.75**
				SAY	**Rs. 3,025,080.00**

RECOVERY DETAILS

			Gross Value (A)	**Rs. 3,025,080.00**
(i)	Schedule B Aggregates (-)	2845961.00		
	a) Already recovered in 3rd RA Bill	1225808.00		
	b) Already recovered in 4th RA Bill	224120.00		
	c) Already recovered in 5th RA Bill	216190.00		
	d) Already recovered in 6th RA Bill	201532.00		
	e) Already recovered in 7th RA Bill	239032.00		
	f) Already recovered in 8th RA Bill	241859.00		
	g) Already recovered in 9th RA Bill	497420.00		
	h) Already recovered in 10th RA Bill	0.00		
	i) Already recovered in 11th RA Bill	0.00		
	j) Already recovered in 12th RA Bill	0.00		
	k) Already recovered in 13th RA Bill	0.00		
	l) Already recovered in 14th RA Bill	0.00		
	m) Already recovered in 15th RA Bill	0.00		
	n) Already recovered in 16th RA Bill	0.00		
	o) Already recovered in 17th RA Bill	0.00		
	p) Already recovered in 17th RA Bill	0.00		
	q) To be recovered in this bill	Rs. 0.00		Rs. 0.00

(ii)	Material Laying at site - Steel	8227971.00			
	a) Already recovered in 3rd RA Bill	1601924.00			
	b) Already recovered in 4th RA Bill	324012.00			
	c) Already recovered in 5th RA Bill	424990.00			
	d) Already recovered in 6th RA Bill	399197.00			
	e) Already recovered in 7th RA Bill	364686.00			
	f) Already recovered in 8th RA Bill	217034.00			
	g) Already recovered in 9th RA Bill	2160074.00			
	h) Already recovered in 10th RA Bill	330719.00			
	i) Already recovered in 11th RA Bill	400216.00			
	j) Already recovered in 12th RA Bill	471436.00			
	k) Already recovered in 13th RA Bill	301802.00			
	l) Already recovered in 14th RA Bill	0.00			
	m) Already recovered in 15th RA Bill	167267.00			
	n) Already recovered in 16th RA Bill	356405.00			
	o) Already recovered in 17th RA Bill	0.00			
	p) Already recovered in 18th RA Bill	458711.00			
	q) To be recovered in this bill	Rs. 249,498.00			Rs. 249,498.00
(iii)	Security deposit @ 2.5% on Total Gross Value	2388240.67			
	a) Already recovered in 2nd RA Bill	475623.00			
	b) Already recovered in 3rd RA Bill	359238.00			
	c) Already recovered in 4th RA Bill	60506.55			
	d) Already recovered in 5th RA Bill	60668.39			
	e) Already recovered in 6th RA Bill	59487.70			
	f) Already recovered in 7th RA Bill	60870.19			
	g) Already recovered in 8th RA Bill	62041.00			
	h) Already recovered in 9th RA Bill	626354.00			
	i) Already recovered in 10th RA Bill	62146.00			
	j) Already recovered in 11th RA Bill	61955.00			
	k) Already recovered in 12th RA Bill	62288.00			
	l) Already recovered in 13th RA Bill	61579.00			
	m) Already recovered in 14th RA Bill	61839.00			
	n) Already recovered in 15th RA Bill	62080.00			
	o) Already recovered in 16th RA Bill	54413.00			
	p) Already recovered in 17th RA Bill	60900.00			
	q) Already recovered in 18th RA Bill	60624.00			
	r) To be recovered in this bill	Rs. 75,628.00			Rs. 75,628.00
(iv)	IT @ 2% on Total Gross Value	1910592.54			
	a) Already recovered in 1st RA Bill	99751.00			
	b) Already recovered in 2nd RA Bill	380499.00			
	c) Already recovered in 3rd RA Bill	287390.00			
	d) Already recovered in 4th RA Bill	48405.08			
	e) Already recovered in 5th RA Bill	-51216.33			
	f) Already recovered in 6th RA Bill	47590.16			
	g) Already recovered in 7th RA Bill	48696.15			
	h) Already recovered in 8th RA Bill	49633.00			
	i) Already recovered in 9th RA Bill	501083.00			
	j) Already recovered in 10th RA Bill	49717.00			

	k) Already recovered in 11th RA Bill	49564.00			
	l) Already recovered in 12th RA Bill	49830.00			
	m) Already recovered in 13th RA Bill	49263.00			
	n) Already recovered in 14th RA Bill	49471.00			
	o) Already recovered in 15th RA Bill	49664.00			
	p) Already recovered in 16th RA Bill	43531.00			
	q) Already recovered in 17th RA Bill	48720.00			
	r) Already recovered in 18th RA Bill	48499.00			
	s) To be recovered in this bill	Rs. 60,502.00			Rs. 60,502.00
(v)	Labour Welfare Cess @ 1% on Total Gross Value	955296.27			
	a) Already recovered in 2nd RA Bill	190249.00			
	b) Already recovered in 3rd RA Bill	143695.00			
	c) Already recovered in 4th RA Bill	24203.02			
	d) Already recovered in 5th RA Bill	24267.35			
	e) Already recovered in 6th RA Bill	23795.09			
	f) Already recovered in 7th RA Bill	24348.07			
	g) Already recovered in 8th RA Bill	24816.00			
	h) Already recovered in 9th RA Bill	250542.00			
	i) Already recovered in 10th RA Bill	24859.00			
	j) Already recovered in 11th RA Bill	24782.00			
	k) Already recovered in 12th RA Bill	24915.00			
	l) Already recovered in 13th RA Bill	24631.00			
	m) Already recovered in 14th RA Bill	24736.00			
	n) Already recovered in 15th RA Bill	24832.00			
	o) Already recovered in 16th RA Bill	21765.00			
	p) Already recovered in 17th RA Bill	24360.00			
	q) Already recovered in 18th RA Bill	24250.00			
	r) To be recovered in this bill	Rs. 30,251.00			Rs. 30,251.00
(vi)	UGST @ 1% on Total Gross Value	955296.27			
	a) Already recovered in 1st RA Bill	49875.50			
	b) Already recovered in 2nd RA Bill	190249.50			
	c) Already recovered in 3rd RA Bill	143695.00			
	d) Already recovered in 4th RA Bill	24202.52			
	e) Already recovered in 5th RA Bill	-25608.15			
	f) Already recovered in 6th RA Bill	23795.09			
	g) Already recovered in 7th RA Bill	24348.07			
	h) Already recovered in 8th RA Bill	24816.00			
	i) Already recovered in 9th RA Bill	250542.00			
	j) Already recovered in 10th RA Bill	24859.00			
	k) Already recovered in 11th RA Bill	24782.00			
	l) Already recovered in 12th RA Bill	24915.00			
	m) Already recovered in 13th RA Bill	24631.00			
	n) Already recovered in 14th RA Bill	24736.00			
	o) Already recovered in 15th RA Bill	24832.00			
	p) Already recovered in 16th RA Bill	21765.00			
	q) Already recovered in 17th RA Bill	24360.00			
	r) Already recovered in 18th RA Bill	24250.00			
	s) To be recovered in this bill	Rs. 30,251.00			Rs. 30,251.00

(vii)	CGST @ 1% on Total Gross Value		
	a) Already recovered in 1st RA Bill	955296.27	
	b) Already recovered in 2nd RA Bill	49875.50	
	c) Already recovered in 3rd RA Bill	190249.50	
	d) Already recovered in 4th RA Bill	143695.00	
	e) Already recovered in 5th RA Bill	24202.52	
	f) Already recovered in 6th RA Bill	-25608.15	
	g) Already recovered in 7th RA Bill	23795.09	
	h) Already recovered in 8th RA Bill	24348.07	
	i) Already recovered in 9th RA Bill	24816.00	
	j) Already recovered in 10th RA Bill	250542.00	
	k) Already recovered in 11th RA Bill	24859.00	
	l) Already recovered in 12th RA Bill	24782.00	
	m) Already recovered in 13th RA Bill	24915.00	
	n) Already recovered in 14th RA Bill	24631.00	
	o) Already recovered in 15th RA Bill	24736.00	
	p) Already recovered in 16th RA Bill	24832.00	
	q) Already recovered in 17th RA Bill	21765.00	
	r) Already recovered in 18th RA Bill	24360.00	
	s) To be recovered in this bill	24250.00	
		Rs. 30,251.00	Rs. 30,251.00
		Total Recovery (B)	**Rs. 476,381.00**
		Net Amount Payable in this Bill (A-B)	**Rs. 2,548,699.00**
		Says	**Rs. 2,548,699.00**

Net Amount in words:- (Rupees Twenty Five Lakhs Forty Eight Thousand Six Hundred Ninety Nine Only)

Certified that:-

1. The work has been executed as per terms and conditions of the agreement.
2. No material and T & P has been issued from the Department.
3. Own arrangements for water has been made.
4. No Labour Complaints has been received.
5. Requisite technical staff has been employed as per agreement.
6. Up to date recoveries have been effected in this bill.
7. All Mandatory Test have been conducted.

Signature of the Contractor

Signature of the AE

Signature of the EE (Works)

Secured Advance against the materials brought at site

Name of Work:- Marine esplanade: Marina road restructuring with uniform carriage way, walking track, street lighting, street furniture, service core trenching and land scaping.

Agreement No :- 01 (PBSPL) of 2020-21

Agency :- M/s. Surendra Infrastructure (P) Ltd.

Serial no of this bill :- 19th RA Bill

S.No	Sch Item No.	Description of Items	Quantity	Unit	Rate Allowed	Amount
1	1.09	Steel TMT Bars	166221.643	Kgs	49.50	8227971.329
					Total Amount	**8227971.33**
					Says	**8227971.00**

Junior Engineer-III (Works)

PBMC

THEORETICAL STATEMENT

Name of Work:- Marine esplanade: Marina road restructuring with uniform carriage way, walking track, street lighting, street furniture, service core trenching and land scaping.

Agreement No :- 01 (PBSPL) of 2020-21

Agency :- M/s. Surendra Infrastructure (P) Ltd.

Serial no of this bill :- 19th RA Bill

S.No	Sch Item No.	Description of Items	Quantity	Unit	Coefficient	Quantity
1	1.04	**PCC 1:4:8**	8.928	Cum		
		Cement		Bags	3.410	30.444
		Pulverised Sand		Cum	0.470	4.196
		Stone aggregates 40mm		Cum	0.950	8.482
2	1.07	**M-25 (above Plinth)**	5.676	Cum		
		Cement		Bags	6.860	38.937
		Pulverised Sand		Cum	0.486	2.759
		Stone aggregates 20mm		Cum	0.285	1.618
		Stone aggregates 12.5mm		Cum	0.426	2.418
3	1.08	**M-40**	124.266	Cum		
		Cement		Bags	8.840	1098.511
		Pulverised Sand		Cum	0.454	56.417
		Stone aggregates 20mm		Cum	0.277	34.422
		Stone aggregates 12.5mm		Cum	0.415	51.570

Junior Engineer-III (Works)
PBMC

Ref. Page No: 1 to 18 of [illegible]

Authority: Agr. No: 01 (PBSPL) of 2020-21

Work:- Marine Esplanade: Marina Road Restructure kit Uniform carriage walkway walking track Street Lighting Street furniture service Core Trenching and Landscaping.

Agency: M/s. Surendra Infrastructure (P) Ltd.

Gross value of work done	→	8,71,9,137/-
Paid upto 18th RA Bill	→	84823045/-
Gross value of 19th RA	→	23,74,092/-
Material lying at site now recovered	→	2,49,498/-
Gross after deduction	→	21,24,594/-
Net Payable	→	21,24,594/-

Passed for Rs. 23,74,092/- (Rupees Twenty three lakhs seventy four thousand and ninety two only)

Executive Engineer-III (Works)
Municipal Council
Port Blair

Proposed scheme for Rs. 21,24,594/- (Rupees Twenty one Lakh twenty four thousand five hundred ninety four only)



Division:- Executive Engineer-III (SWM/MC), Port Blair Municipal Council, Port Blair

(20th R.A BILL)

COMPUTERIZED MEASUREMENT BOOK

(DETAILS OF ABSTRACT)

CMB No:- 342/EE-III/SWM/MC/2021-22

Name of Work: - Marine esplanade: Marina road restructuring with uniform carriage way, walking track, street lighting, street furniture, service core trenching and land scaping.

Name of Contractor: - M/s. Surendra Infrastructure (P) Ltd.

Agreement No.: - 01 (PBSPL) of 2020-2021

Certified that this Computerized measurement book bearing no.342/EE-III/SWM/MC/2021-22 contains **19** leaves serially numbered from pages 01 to 19 and two blank pages without any damage.

Signature of
Contractor

Signature of
Assistant Engineer

Signature of
Executive Engineer

ABSTRACT OF COST

(20th R.A Bill)

Name of Work:- Marine esplanade: Marina road restructuring with uniform carriage way, walking track, street lighting, street furniture, service core trenching and land scaping.

Agreement No. :- 01 (PBSPL) of 2020-2021

Name of Agency :- M/s. Surendra Infrastructure (P) Ltd.

Date of Commencement :- 07.12.2020

Date of Completion :- In Progress

Reference to previous measurement, if any :- NIL

Serial no. of this bill :- 20th R.A Bill

CMB no. of this bill :- 342/EE-III/SWM/MC/2021-22

Date of Abstract :-

Item No.	Particulars	Quantity	Unit	Rate	Amount
1	**CIVIL WORKS**				
1.01	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m. a) All kinds of soil.				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.01 (2nd R.A Bill Qty)	17.617			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.01 (3rd R.A Bill Qty)	139.362			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.01 (4th R.A Bill Qty)	54.283			
	Qty b/f CMB No.267/EE-III/SWM/MC/2020-21 vide page no.01 (8th R.A Bill Qty)	69.113			
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.01 (9th R.A Bill Qty)	2902.781			
	Qty b/f CMB No.340/EE-III/SWM/MC/2021-22 vide page no.01 (20th R.A Bill Qty)	646.620			
	Total	**3829.776**	**Cum**	**Rs. 225.00**	**Rs. 861,699.60**
1.02	Excavation work by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m. Hard rock (blasting prohibited)				861699.60
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.01 (9th R.A Bill Qty)	242.226			
	Total	**242.226**	**Cum**	**Rs. 500.00**	**Rs. 121,113.00**

121113.

9,82,812.60/

1.03	Filling with available pulverised sand				
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.01 (9th R.A Bill Qty)	144.052			
	Qty b/f CMB No.287/EE-III/SWM/MC/2021-22 vide page no.01 (11th R.A Bill Qty)	15.969			
	Qty b/f CMB No.340/EE-III/SWM/MC/2021-22 vide page no.03 (20th R.A Bill Qty)	23.479			
	Qty b/f CMB No.340/EE-III/SWM/MC/2021-22 vide page no.03 (20th R.A Bill Qty)	33.306			
	Total	**216.806**	**Cum**	**Rs. 3,400.00**	**Rs. 737,140.40**
1.04	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:4:8 (1 Cement : 4 coarse sand (Zone III) : 8 graded stone aggregate 40 mm nominal size)				7,37,140.40
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.01 (2nd R.A Bill Qty)	11.242			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.02 (3rd R.A Bill Qty)	85.005			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.01 (4th R.A Bill Qty)	11.369			
	Qty b/f CMB No.235/EE-III/SWM/MC/2020-21 vide page no.01 (5th R.A Bill Qty)	8.928			
	Qty b/f CMB No.241/EE-III/SWM/MC/2020-21 vide page no.01 (6th R.A Bill Qty)	2.864			
	Qty b/f CMB No.243/EE-III/SWM/MC/2020-21 vide page no.01 (7th R.A Bill Qty)	13.392			
	Qty b/f CMB No.267/EE-III/SWM/MC/2020-21 vide page no.02 (8th R.A Bill Qty)	15.993			
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.02 (9th R.A Bill Qty)	194.516			
	Qty b/f CMB No.287/EE-III/SWM/MC/2021-22 vide page no.02 (11th R.A Bill Qty)	15.969			
	Qty b/f CMB No.308/EE-III/SWM/MC/2021-22 vide page no.06 (15th R.A Bill Qty)	4.464			
	Qty b/f CMB No.312/EE-III/SWM/MC/2021-22 vide page no.02 (16th R.A Bill Qty)	9.280			
	Qty b/f CMB No.316/EE-III/SWM/MC/2021-22 vide page no.02 (18th R.A Bill Qty)	4.464			
	Qty b/f CMB No.324/EE-III/SWM/MC/2021-22 vide page no.02 (19th R.A Bill Qty)	8.928			
	Qty b/f CMB No.340/EE-III/SWM/MC/2021-22 vide page no.04 (20th R.A Bill Qty)	23.506			
	Qty b/f CMB No.340/EE-III/SWM/MC/2021-22 vide page no.05 (20th R.A Bill Qty)	33.357			
	Total	**443.277**	**Cum**	**Rs. 9,250.00**	**Rs. 4,100,312.25**

4100312.25

48,37,452.65/-

1.05	Providing and laying in position machine batched and machine mixed design mix M-25 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying but excluding the cost of centering, shuttering, finishing and reinforcement, including admixtures in recommended proportions as per IS: 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer-in charge."(Note :- Cement content considered in this item is @ 330 kg/cum."Excess/ less cement used as per design mix is payable/recoverable separately). All works upto plinth level				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.01 (2nd R.A Bill Qty)	10.528			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.03 (3rd R.A Bill Qty)	320.952			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.02 (4th R.A Bill Qty)	59.176			
	Qty b/f CMB No.235/EE-III/SWM/MC/2020-21 vide page no.02 (5th R.A Bill Qty)	58.454			
	Qty b/f CMB No.241/EE-III/SWM/MC/2020-21 vide page no.02 (6th R.A Bill Qty)	16.382			
	Qty b/f CMB No.243/EE-III/SWM/MC/2020-21 vide page no.02 (7th R.A Bill Qty)	74.954			
	Qty b/f CMB No.267/EE-III/SWM/MC/2020-21 videpage no.02 (8th R.A Bill Qty)	81.964			
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.04 (9th R.A Bill Qty)	310.818			
	Qty b/f CMB No.302/EE-III/SWM/MC/2021-22 vide page no.02 (12th R.A Bill Qty)	11.773			
	Qty b/f CMB No.308/EE-III/SWM/MC/2021-22 vide page no.06 (15th R.A Bill Qty)	29.227			
	Qty b/f CMB No.312/EE-III/SWM/MC/2021-22 vide page no.03 (16th R.A Bill Qty)	60.496			
	Qty b/f CMB No.316/EE-III/SWM/MC/2021-22 vide page no.03 (18th R.A Bill Qty)	29.227			
	Qty b/f CMB No.324/EE-III/SWM/MC/2021-22 vide page no.03 (19th R.A Bill Qty)	58.454			
	Total	**1122.405**	**Cum**	**Rs. 11,000.00**	**Rs. 12,346,455.00**
1.06	Extra for laying RCC in or under water and/or liquid mud, including cost of pumping or bailing out water and removing slush etc., complete.				12346455
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.03 (3rd R.A Bill Qty)	320.702			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.02 (4th R.A Bill Qty)	80.263			
	Qty b/f CMB No.235/EE-III/SWM/MC/2020-21 vide page no.2 (5th R.A Bill Qty)	89.103			
	Qty b/f CMB No.241/EE-III/SWM/MC/2020-21 vide page no.02 (6th R.A Bill Qty)	24.914			
	Qty b/f CMB No.243/EE-III/SWM/MC/2020-21 vide page no.02 (7th R.A Bill Qty)	110.070			
	Qty b/f CMB No.267/EE-III/SWM/MC/2020-21 vide page no.03 (8th R.A Bill Qty)	68.142			

1,23,46,455/-

	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.04 (9th R.A Bill Qty)	466.491			
	Qty b/f CMB No.302/EE-III/SWM/MC/2021-22 vide page no.03 (12th R.A Bill Qty)	17.265			
	Qty b/f CMB No.308/EE-III/SWM/MC/2021-22 vide page no.08 (15th R.A Bill Qty)	44.553			
	Qty b/f CMB No.312/EE-III/SWM/MC/2021-22 vide page no.03 (16th R.A Bill Qty)	92.508			
	Qty b/f CMB No.316/EE-III/SWM/MC/2021-22 vide page no.03 (18th R.A Bill Qty)	44.553	156.000 x 650/- = 46.200 x 650/- = 12.44.232 x 483/50 =		101400.00 30420.00 606835.59
	Qty b/f CMB No.324/EE-III/SWM/MC/2021-22 vide page no.03 (19th R.A Bill Qty)	89.106			
	Total	**1447.673**	**Cum**	**Rs. 650.00**	**Rs. 940,987.45**
1.07	Providing and laying in position machine batched and machine mixed design mix M-25 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying but excluding the cost of centering, shuttering, finishing and reinforcement, including admixtures in recommended proportions as per IS: 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer-in charge."(Note :- Cement contentconsidered in this item is @ 330 kg/cum."Excess/ less cement used as per design mix is payable/recoverable separately). All works above plinth level upto floor V level				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.02 (2nd R.A Bill Qty)	14.812			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.04 (3rd R.A Bill Qty)	222.185			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.03 (4th R.A Bill Qty)	52.226			
	Qty b/f CMB No.235/EE-III/SWM/MC/2020-21 vide page no.03 (5th R.A Bill Qty)	52.747			
	Qty b/f CMB No.241/EE-III/SWM/MC/2020-21 vide page no.03 (6th R.A Bill Qty)	93.837			
	Qty b/f CMB No.243/EE-III/SWM/MC/2020-21 vide page no.03 (7th R.A Bill Qty)	43.768			
	Qty b/f CMB No.267/EE-III/SWM/MC/2020-21 vide page no.03 (8th R.A Bill Qty)	45.130			
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.06 (9th R.A Bill Qty)	363.021			
	Qty b/f CMB No.285/EE-III/SWM/MC/2021-22 vide page no.04 (10th R.A Bill Qty)	45.949			
	Qty b/f CMB No.287/EE-III/SWM/MC/2021-22 vide page no.03 (11th R.A Bill Qty)	131.561			
	Qty b/f CMB No.302/EE-III/SWM/MC/2021-22 vide page no.04 (12th R.A Bill Qty)	111.481			
	Qty b/f CMB No.304/EE-III/SWM/MC/2021-22 vide page no.04 (13th R.A Bill Qty)	113.978			
	Qty b/f CMB No.308/EE-III/SWM/MC/2021-22 vide page no.08 (15th R.A Bill Qty)	22.565			
	Qty b/f CMB No.312/EE-III/SWM/MC/2021-22 vide page no.04 (16th R.A Bill Qty)	35.036			
	Qty b/f CMB No.316/EE-III/SWM/MC/2021-22 vide page no.04 (18th R.A Bill Qty)	76.963			
	Qty b/f CMB No.324/EE-III/SWM/MC/2021-22 vide page no.04 (19th R.A Bill Qty)	71.488			
	Total	**1496.747**	**Cum**	**Rs. 11,400.00**	**Rs. 17,062,915.80**

17062915.80

1,78,01,611.39

	Providing M-25 grade concrete. (Note : Cement content considered as per Design Mix M25 - 343 kg/cbm approved.				
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.05 (3rd R.A Bill Qty)	2003.625			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.03 (4th R.A Bill Qty)	389.337			
	Qty b/f CMB No.267/EE-III/SWM/MC/2020-21 vide page no.04 (8th R.A Bill Qty)	520.130			
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.06 (9th R.A Bill Qty)	334.867			
	Qty b/f CMB No.285/EE-III/SWM/MC/2021-22 vide page no.04 (10th R.A Bill Qty)	194.038			
	Qty b/f CMB No.287/EE-III/SWM/MC/2021-22 vide page no.04 (11th R.A Bill Qty)	1710.293			
	Qty b/f CMB No.302/EE-III/SWM/MC/2021-22 vide page no.04 (12th R.A Bill Qty)	1210.950			
	Qty b/f CMB No.304/EE-III/SWM/MC/2021-22 vide page no.04 (13th R.A Bill Qty)	1481.714			
	Qty b/f CMB No.324/EE-III/SWM/MC/2021-22 vide page no.05 (19th R.A Bill Qty)	73.788			
	Total	**7918.742**	**Kg**	**Rs. 10.00**	**Rs. 79,187.42**
1.08	Extra for providing richer mixes at all floor levels. Note:- Excess/less cement over the specified cement content used is payable / recoverable separately. Providing M-40 grade concrete instead of M-25 grade BMC/RMC. (Note : Cement content considered in M-40 is @ 360 kg/cum)				79,187.42
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.05 (3rd R.A Bill Qty)	414.336			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.03 (4th R.A Bill Qty)	81.453			
	Qty b/f CMB No.235/EE-III/SWM/MC/2020-21 vide page no.03 (5th R.A Bill Qty)	111.201			
	Qty b/f CMB No.241/EE-III/SWM/MC/2020-21 vide page no.04 (6th R.A Bill Qty)	110.218			
	Qty b/f CMB No.243/EE-III/SWM/MC/2020-21 vide page no.04 (7th R.A Bill Qty)	118.722			
	Qty b/f CMB No.267/EE-III/SWM/MC/2020-21 vide page no.04 (8th R.A Bill Qty)	75.381			
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.07 (9th R.A Bill Qty)	659.783			
	Qty b/f CMB No.285/EE-III/SWM/MC/2021-22 vide page no.04 (10th R.A Bill Qty)	31.023			
	Qty b/f CMB No.302/EE-III/SWM/MC/2021-22 vide page no.04 (12th R.A Bill Qty)	30.102			
	Qty b/f CMB No.308/EE-III/SWM/MC/2021-22 vide page no.10 (15th R.A Bill Qty)	51.792			
	Qty b/f CMB No.312/EE-III/SWM/MC/2021-22 vide page no.05 (16th R.A Bill Qty)	95.532			
	Qty b/f CMB No.316/EE-III/SWM/MC/2021-22 vide page no.05 (18th R.A Bill Qty)	106.190			
	Qty b/f CMB No.324/EE-III/SWM/MC/2021-22 vide page no.05 (19th R.A Bill Qty)	124.266			
	Total	**2009.999**	**Cum**	**Rs. 320.00**	**Rs. 643,199.68**
	Extra for providing richer mixes M-40 grade concrete. (Note : Cement content considered as per Design Mix M40 - 442 kg/cbm approved.				643199.68
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.05 (3rd R.A Bill Qty)	33975.552			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.03 (4th R.A Bill Qty)	6679.146			

7,22,387.10

	Qty b/f CMB No.235/EE-III/SWM/MC/2020-21 vide page no.03 (5th R.A Bill Qty)	9118.482			
	Qty b/f CMB No.241/EE-III/SWM/MC/2020-21 vide page no.05 (6th R.A Bill Qty)	9037.958			
	Qty b/f CMB No.243/EE-III/SWM/MC/2020-21 vide page no.04 (7th R.A Bill Qty)	9735.201			
	Qty b/f CMB No.267/EE-III/SWM/MC/2020-21 vide page no.04 (8th R.A Bill Qty)	6181.242			
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.08 (9th R.A Bill Qty)	54102.206			
	Qty b/f CMB No.285/EE-III/SWM/MC/2021-22 vide page no.05 (10th R.A Bill Qty)	2543.886			
	Qty b/f CMB No.302/EE-III/SWM/MC/2021-22 vide page no.05 (12th R.A Bill Qty)	2468.364			
	Qty b/f CMB No.308/EE-III/SWM/MC/2021-22 vide page no.05 (15th R.A Bill Qty)	4246.944			
	Qty b/f CMB No.312/EE-III/SWM/MC/2021-22 vide page no.06 (16th R.A Bill Qty)	7833.624			
	Qty b/f CMB No.316/EE-III/SWM/MC/2021-22 vide page no.06 (18th R.A Bill Qty)	8707.580			
	Qty b/f CMB No.324/EE-III/SWM/MC/2021-22 vide page no.06 (19th R.A Bill Qty)	10189.812			
	Total	**164820.000**	**Kg**	**Rs. 10.00**	**Rs. 1,648,200.00**
1.09	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level. A) Thermo-Mechanically Treated bars of grade Fe-500D or more.				1648200.00
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.02 (2nd R.A Bill Qty)	1051.813			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.05 (3rd R.A Bill Qty)	31310.281			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.04 (4th R.A Bill Qty)	6545.698			
	Qty b/f CMB No.235/EE-III/SWM/MC/2020-21 vide page no.04 (5th R.A Bill Qty)	8585.653			
	Qty b/f CMB No.241/EE-III/SWM/MC/2020-21 vide page no.06 (6th R.A Bill Qty)	8064.591			
	Qty b/f CMB No.243/EE-III/SWM/MC/2020-21 vide page no.04 (7th R.A Bill Qty)	7367.385			
	Qty b/f CMB No.267/EE-III/SWM/MC/2020-21 vide page no.05 (8th R.A Bill Qty)	4384.528			
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.10 (9th R.A Bill Qty)	43637.869			
	Qty b/f CMB No.285/EE-III/SWM/MC/2021-22 vide page no.05 (10th R.A Bill Qty)	6681.193			
	Qty b/f CMB No.287/EE-III/SWM/MC/2021-22 vide page no. (11th R.A Bill Qty)	8085.169			
	Qty b/f CMB No.302/EE-III/SWM/MC/2021-22 vide page no.06 (12th R.A Bill Qty)	9523.962			
	Qty b/f CMB No.304/EE-III/SWM/MC/2021-22 vide page no.06 (13th R.A Bill Qty)	6097.007			
	Qty b/f CMB No.308/EE-III/SWM/MC/2021-22 vide page no.03 (15th R.A Bill Qty)	3379.127			
	Qty b/f CMB No.312/EE-III/SWM/MC/2021-22 vide page no.07 (16th R.A Bill Qty)	7200.099			
	Qty b/f CMB No.316/EE-III/SWM/MC/2021-22 vide page no.07 (18th R.A Bill Qty)	9266.900			
	Qty b/f CMB No.324/EE-III/SWM/MC/2021-22 vide page no.07 (19th R.A Bill Qty)	5040.365			
	Qty b/f CMB No.340/EE-III/SWM/MC/2021-22 vide page no.06 (20th R.A Bill Qty)	5069.968			
	Total	**171291.608**	**Kg**	**Rs. 91.00**	**Rs. 15,587,536.33**

15587536.33

1,72,35,736.33

1.1	12 mm plaster 1:4				
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.10 (9th R.A Bill Qty)	1672.905			
	Qty b/f CMB No.308/EE-III/SWM/MC/2021-22 vide page no.10 (15th R.A Bill Qty)	264.920			
	Qty b/f CMB No.312/EE-III/SWM/MC/2021-22 vide page no.07 (16th R.A Bill Qty)	277.500			
		2215.325	**Sqm**	**Rs. 370.00**	**Rs. 819,670.25**
1.11	Centering and shuttering including strutting, propping etc. and removal of form work for : Foundations, footings, bases for columns				819670.25
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.02 (2nd R.A Bill Qty)	50.400			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.07 (3rd R.A Bill Qty)	267.000			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.04 (4th R.A Bill Qty)	23.630			
	Qty b/f CMB No.235/EE-III/SWM/MC/2020-21 vide page no.04 (5th R.A Bill Qty)	26.800			
	Qty b/f CMB No.241/EE-III/SWM/MC/2020-21 vide page no.06 (6th R.A Bill Qty)	11.320			
	Qty b/f CMB No.243/EE-III/SWM/MC/2020-21 vide page no.05 (7th R.A Bill Qty)	40.200			
	Qty b/f CMB No.267/EE-III/SWM/MC/2020-21 vide page no.05 (8th R.A Bill Qty)	30.480			
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.11 (9th R.A Bill Qty)	149.200			
	Qty b/f CMB No.308/EE-III/SWM/MC/2021-22 vide page no.06 (15th R.A Bill Qty)	13.400			
	Qty b/f CMB No.312/EE-III/SWM/MC/2021-22 vide page no.07 (16th R.A Bill Qty)	32.160			
	Qty b/f CMB No.316/EE-III/SWM/MC/2021-22 vide page no.07 (18th R.A Bill Qty)	13.400			
	Qty b/f CMB No.324/EE-III/SWM/MC/2021-22 vide page no.07 (19th R.A Bill Qty)	26.800			
	Total	**684.790**	**Sqm**	**Rs. 340.00**	**Rs. 232,828.60**
1.12	Centering and shuttering including strutting, propping etc. and removal of form work for : Retaining walls, return walls, walls (any thickness) including attached pilasters, butteresses, plinth and string courses fillets, kerbs and steps etc.				232828.6
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.02 (2nd R.A Bill Qty)	142.478			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.08 (3rd R.A Bill Qty)	1784.236			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.04 (4th R.A Bill Qty)	542.815			
	Qty b/f CMB No.235/EE-III/SWM/MC/2020-21 vide page no.05 (5th R.A Bill Qty)	234.276			
	Qty b/f CMB No.241/EE-III/SWM/MC/2020-21 vide page no.07 (6th R.A Bill Qty)	383.468			
	Qty b/f CMB No.243/EE-III/SWM/MC/2020-21 vide page no.05 (7th R.A Bill Qty)	197.338			
	Qty b/f CMB No.267/EE-III/SWM/MC/2020-21 vide page no.06 (8th R.A Bill Qty)	604.812			
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.13 (9th R.A Bill Qty)	1768.461			
	Qty b/f CMB No.285/EE-III/SWM/MC/2021-22 vide page no.07 (10th R.A Bill Qty)	200.384			

10,52,498.85

	Qty b/f CMB No.287/EE-III/SWM/MC/2021-22 vide page no.06 (11th R.A Bill Qty)	41.326			
	Qty b/f CMB No.302/EE-III/SWM/MC/2021-22 vide page no.07 (12th R.A Bill Qty)	224.470			
	Qty b/f CMB No.304/EE-III/SWM/MC/2021-22 vide page no.07 (13th R.A Bill Qty)	440.680			
	Qty b/f CMB No.308/EE-III/SWM/MC/2021-22 vide page no.07 (15th R.A Bill Qty)	101.159			
	Qty b/f CMB No.312/EE-III/SWM/MC/2021-22 vide page no.08 (16th R.A Bill Qty)	174.256			
	Qty b/f CMB No.316/EE-III/SWM/MC/2021-22 vide page no.08 (18th R.A Bill Qty)	326.227			
	Qty b/f CMB No.324/EE-III/SWM/MC/2021-22 vide page no.08 (19th R.A Bill Qty)	309.000			
	Qty b/f CMB No.340/EE-III/SWM/MC/2021-22 vide page no.04 (20th R.A Bill Qty)	26.410			
	Total	**7501.796**	**Sqm**	**Rs. 570.00**	**Rs. 4,276,023.72**
1.13	Centering and shuttering including strutting, propping etc. and removal of form for all heights : Extra for shuttering in circular work (20% of respective centering and shutttering items)				4276023.72
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.05 (4th R.A Bill Qty)	50.597			
	Qty b/f CMB No.235/EE-III/SWM/MC/2020-21 vide page no.05 (5th R.A Bill Qty)	37.948			
	Qty b/f CMB No.241/EE-III/SWM/MC/2020-21 vide page no.07 (6th R.A Bill Qty)	59.749			
	Qty b/f CMB No.243/EE-III/SWM/MC/2020-21 vide page no.05 (7th R.A Bill Qty)	12.649			
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.13 (9th R.A Bill Qty)	138.574			
	Qty b/f CMB No.285/EE-III/SWM/MC/2021-22 vide page no.07 (10th R.A Bill Qty)	37.948			
	Qty b/f CMB No.302/EE-III/SWM/MC/2021-22 vide page no.07 (12th R.A Bill Qty)	8.786			
	Qty b/f CMB No.316/EE-III/SWM/MC/2021-22 vide page no.08 (18th R.A Bill Qty)	53.534			
	Qty b/f CMB No.324/EE-III/SWM/MC/2021-22 vide page no.09 (19th R.A Bill Qty)	25.298			
	Total	**425.083**	**Sqm**	**Rs. 150.00**	**Rs. 63,762.45**
1.16	Providing and fixing FRP Pultruded hand rail with PU coating with 50x50x6mm post, top ergonomic hand rail 70x65x4mm mild omega shaped 80x4mm Toe/knee plate 80x3 mm with FRP Foot mount & SS 316 L fasterners Height 600mm AND FRP post at every 1.5 meter as per the direction of the engineer in charge.				63,762.45
	Qty b/f CMB No.304/EE-III/SWM/MC/2021-22 vide page no.16 (13th R.A Bill Qty)	63.200			
	Qty b/f CMB No.306/EE-III/SWM/MC/2021-22 vide page no.07 (14th R.A Bill Qty)	90.000			
	Qty b/f CMB No.308/EE-III/SWM/MC/2021-22 vide page no.07 (15th R.A Bill Qty)	140.000			
	Qty b/f CMB No.314/EE-III/SWM/MC/2021-22 vide page no.07 (17th R.A Bill Qty)	580.000			1641920
		293.200	**meter**	**Rs. 5,600.00**	**Rs. 1,641,920.00**
	Total	**580.000**	**meter**	**Rs. 4,200.00**	**Rs. 2,436,000.00**
					2436000

84,17,706.17

1.17	Providing and laying factory made chamfered edge Cement Concrete paver blocks in foot path, park & lawns driveway or light & traffic parking etc. of required strength, thickness & size/shape, made by table vibratory method using PU mould, laid in required colour & pattern over 50 mm thick compacted bed of course sand, compacting and proper embedding/laying of inter locking paver blocks unto the sand bedding layer through vibratory compaction by using plate vibrator, filling the joints with sand and cutting of paver blocks as per required size and pattern, finishing and sweeping extra sand, all complete as per manufacturer's specifications & direction of Engineer-in-Charge. 80mm thick Cement concrete paver block of M-35 grade with approved colour, design & pattern.				
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.14 (9th R.A Bill Qty)	1898.814			
	Qty b/f CMB No.285/EE-III/SWM/MC/2021-22 vide page no.07 (10th R.A Bill Qty)	428.519			
	Qty b/f CMB No.306/EE-III/SWM/MC/2021-22 vide page no.07 (14th R.A Bill Qty)	856.330			
	Qty b/f CMB No.308/EE-III/SWM/MC/2021-22 vide page no.11 (15th R.A Bill Qty)	230.725			
	Qty b/f CMB No.312/EE-III/SWM/MC/2021-22 vide page no.09 (16th R.A Bill Qty)	130.800			
	Total	**3545.188**	**Sqm**	**Rs. 2,300.00**	**Rs. 8,153,932.40**
1.19	Demolishing R.C.C. work manually/ by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge.				8153932.40
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.14 (9th R.A Bill Qty)	28.211			
	Total	**28.211**	**Cum**	**Rs. 1,100.00**	**Rs. 31032.10**
1.2	Demolishing cement concrete manually/ by mechanical means and disposal of material within 50 metres lead as per direction of Engineerin-charge. cum Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix)				31032.10
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.03 (2nd R.A Bill Qty)	2.963			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.08 (3rd R.A Bill Qty)	65.457			
	Qty b/f CMB No.267/EE-III/SWM/MC/2020-21 vide page no.07 (8th R.A Bill Qty)	21.475			
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.14 (9th R.A Bill Qty)	43.554			
	Qty b/f CMB No.304/EE-III/SWM/MC/2021-22 vide page no.09 (13th R.A Bill Qty)	2.892			
	Total	**136.341**	**Cum**	**Rs. 1,100.00**	**Rs. 149,975.10**

149975.10

83,34,939.6

2	**ELECTRICAL WORKS**				
2.01	Supply of 8 Mtr. height decorative Chatsworth pole having cast iron decorative base and pipe dia of 165mm dia & 1 mtr long with cast iron reducer joining with 101mm OD straight pipe. Pole shall be mounted on square base plate. Decorative Cascade bracket with 940mm height mounted on pole. Pole and two brackets at differential height shall be galvanized and painted with PU paint in closed paint chamber with heating treatment in chamber. Make: Surya				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.03 (2nd R.A Bill Qty)	50.000			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.08 (3rd R.A Bill Qty)	15.000			
	Total	**65.000**	**Nos**	**Rs. 64,000.00**	**Rs. 4,160,000.00**
2.02	Supply of Decorative Luminaires for Urban lighting, body made of painted spun aluminum. The protector is made of polycarbonate grade UVresistant (IK 08). Permanently sealed optical compartment with IP66 protection. Luminaire offers tool free access to gear compartment with IP44 protection. Luminaire can be installed as a suspended luminaire. The luminaire is equipped with the LensoFlex2® technology photometric system. PMMA lenses with wide photometry for increased pole spacing. Fixture is having a surge protection of 10KA. Electronic driver is having power factor>0.90*. THD<20*% and input voltage range from 120-227V AC at 50Hz. Luminaire efficacy is 100 im/ watt system lumen greater than 7500 lumens in CCT range of 4000 as per ANSI. System life of 50000 burning hours with 70% of initial lumens maintained. Luminaire is suitable for operating temperature (Ta) from -20 to 50c. Driver can withstand 320V AC for 48 hours and 360V AC for 2 hours. Make: Surya SLE PT 75W VEGA				4,160,000
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.03 (2nd R.A Bill Qty)	50.000			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.09 (3rd R.A Bill Qty)	15.000			
	Total	**65.000**	**Nos**	**Rs. 40,000.00**	**Rs. 2,600,000.00**
2.03	Supply of Decorative Luminaires for Urban lighting, body made of painted spun aluminum. The protector is made of polycarbonate grade UVresistant (IK 08). Permanently sealed optical compartment with IP66 protection. Luminaire offers tool free access to gear compartment with IP44 protection. Luminaire can be installed as a suspended luminaire. The luminaire is equipped with the LensoFlex2® technology photometric system. PMMA lenses with wide photometry for increased pole spacing. Fixture is having a surge protection of 10KA. Electronic driver is having power factor>0.90*. THD<20*% and input voltage range from 120-227V AC at 50Hz. Luminaire efficacy is 100 im/ watt system lumen greater than 7500 lumens in CCT range of 4000 as per ANSI. System life of 50000 burning hours with 70% of initial lumens maintained. Luminaire is suitable for operating temperature (Ta) from -20 to 50c. Driver can withstand 320V AC for 48 hours and 360V AC for 2 hours. Make: Surya SLE PT 40W VEGA				2600000
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.04 (2nd R.A Bill Qty)	50.000			

67,60,000/-

	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.09 (3rd R.A Bill Qty)	15.000			
	Total	**65.000**	**Nos**	**Rs. 33,500.00**	**Rs. 2,177,500.00**
2.04	Providing of XLPE (IS:7098) (I)-88 ISI armoured cable multistrand Aluminium conductor for 1.1 KV. to be laid on wall with necessary clamps or in existing				2177500
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.04 (2nd R.A Bill Qty)	1500.000	1500.00 x 275/- 450.00 x 275/-	412500.00 123750.00	
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.09 (3rd R.A Bill Qty)	1500.000	1050.00 x 206/25	216562.50	
	Total	**3000.000**	**Mtr**	**Rs. 275.00**	**Rs. 825,000.00**
2.05	Supply of 50mm DWC pipes of approved make for covering of cable.				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.04 (2nd R.A Bill Qty)	1200.000	1200.000 x 280/- 360.000 x 230/-	276000.00 82800.00	
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.10 (3rd R.A Bill Qty)	1200.000	840.000 x 172/50	144900.00	
	Total	**2400.000**	**Mtr**	**Rs. 230.00**	**Rs. 552,000.00**
2.06	Supply of Flexible PVC insulated multistrand multicore 1.1 kv grade ISI marked copper wires of following size to be erected as directed 1.50 Sq.mm 3 core round PVC sheathed.				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.04 (2nd R.A Bill Qty)	700.000	700.000 x 255/- 210.000 x 255/-	178500.00 53550.00	
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.10 (3rd R.A Bill Qty)	700.000	490.000 x 191/25	93712.50	
	Total	**1400.000**	**Mtr**	**Rs. 255.00**	**Rs. 357,000.00**
3	**SUB HEAD : Installation, Testing and Commissioning of Streetlight System**				
3.01	Installation of 8 mtr Decorative Pole including excavation and constructing M-20/1:2:4 cement concrete foundation of size 45 x 45 x 120 cms. Deep as directed by Engineer-in-charge.				
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.17 (9th R.A Bill Qty)	15.000			
	Qty b/f CMB No.285/EE-III/SWM/MC/2021-22 vide page no.10 (10th R.A Bill Qty)	1.000			
	Total	**16.000**	**Nos**	**Rs. 5,550.00**	**Rs. 88,800.00**
3.02	Installation, Testing and Commissioning of 75/40 watt Decorative LED Luminaries.				88,800
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.17 (9th R.A Bill Qty)	30.000			
	Total	**30.000**	**Nos**	**Rs. 700.00**	**Rs. 21,000.00**
3.03	Excavation and laying of DWC pipe at a 90 mm below the ground level/level below PCC in Jogging trek. Item includes refilling of the same trench.				21000
	Qty b/f CMB No.285/EE-III/SWM/MC/2021-22 vide page no.10 (10th R.A Bill Qty)	540.500			
	Qty b/f CMB No.302/EE-III/SWM/MC/2021-22 vide page no.10 (12th R.A Bill Qty)	80.650			
	Total	**621.150**	**Mtr**	**Rs. 325.00**	**Rs. 201,873.75**
3.04	Laying of 4x16 Sqmm Aluminium armoured cable in existing laid DWC pipe/on wall.				201873.75
	Qty b/f CMB No.285/EE-III/SWM/MC/2021-22 vide page no.10 (10th R.A Bill Qty)	500.460			
	Total	**500.460**	**Mtr**	**Rs. 60.00**	**Rs. 30,027.60**

30,027.60

4,01,476.35

3.05	Erecting of 3 core 1.5 sqmm copper flexible cable in pole from junction box to Luminaries				
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.17 (9th R.A Bill Qty)	300.000			
	Total	**300.000**	**Nos**	**Rs. 42.00**	**Rs. 12,600.00**
	EXTRA ITEM				
1.00	To provide structural design analysis with strucutal reinforcement details for construction of siutable wall section for the proposed construction of sea wall in front of Girls School along with the sea coast to a height of 3.00 mtrs suggesting appropriate section, designing of section and supply of detailed working drawings in CAD format 04 sets of CD and also vetted by any reconginised engineering college by Govt of India complete.				
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.17 (9th R.A Bill Qty)	1.000			
	Total	**1.000**	**Nos**	**Rs. 69,620.00**	**Rs. 69,620.00**
2.00	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including getting out and disposal of excavated earth lead upto 50 m and lift upto 1.5 m, as directed by Engineer-in-charge. All kinds of soil.				
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.17 (9th R.A Bill Qty)	4739.630			
	Qty b/f CMB No.340/EE-III/SWM/MC/2021-22 vide page no.01 (20th R.A Bill Qty)	1719.177			
	Total	**6458.807**	**Cum**	**Rs. 242.00**	**Rs. 1,563,031.29**
3.00	Carriage of Materials by mechanical transport including loading, unloading and stacking of earth for a lead of 05 kms.				
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.17 (9th R.A Bill Qty)	4739.630			
	Qty b/f CMB No.340/EE-III/SWM/MC/2021-22 vide page no.01 (20th R.A Bill Qty)	1719.177			
	Total	**6458.807**	**Cum**	**Rs. 228.23**	**Rs. 1,474,093.52**
4.00	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m.				
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.17 (9th R.A Bill Qty)	4667.865			
	Qty b/f CMB No.340/EE-III/SWM/MC/2021-22 vide page no.02 (20th R.A Bill Qty)	1676.967			
	Total	**6344.832**	**Cum**	**Rs. 197.00**	**Rs. 1,249,931.82**
				Total Workdone Amount	**Rs. 87,316,369.54**
	Secured Advance against the materials brought at site				
1.09	**Material Laying at site - Steel** TMT bars of size 8mm, 10mm, 12mm, 16mm and 20mm restricted to 90% of element cost	**216020.00**	**Kg**	**Rs. 49.50**	**Rs. 10,692,990.00**
					29,765,343.54
				Total Gross Value	**Rs. 98,009,359.54**
				Paid in 2nd RA Bill	**Rs. 19,024,930.00**
				Paid in 3rd RA Bill	**Rs. 14,369,518.00**

	Paid in 4th RA Bill	Rs. 2,420,254.00
	Paid in 5th RA Bill	Rs. 2,426,737.00
	Paid in 6th RA Bill	Rs. 2,379,507.00
	Paid in 7th RA Bill	Rs. 2,434,807.00
	Paid in 8th RA Bill	Rs. 2,481,634.00
	Paid in 9th RA Bill	Rs. 25,054,173.00
	Paid in 10th RA Bill	Rs. 2,485,858.00
	Paid in 11th RA Bill	Rs. 2,478,212.00
	Paid in 12th RA Bill	Rs. 2,491,524.00
	Paid in 13th RA Bill	Rs. 2,463,149.00
	Paid in 14th RA Bill	Rs. 2,473,556.00
	Paid in 15th RA Bill	Rs. 2,483,197.00
	Paid in 16th RA Bill	Rs. 2,176,539.00
	Paid in 17th RA Bill	Rs. 2,436,000.00
	Paid in 18th RA Bill	Rs. 2,424,952.00
	Paid in 19th RA Bill	Rs. 3,025,079.00
Gross Value of 20th RA Bill		Rs. 2,479,733.54
SAY		Rs. 2,479,734.00

	RECOVERY DETAILS			
			Gross Value (A)	Rs. 2,479,734.00
(i)	Schedule B Aggregates (-)	2845961.00		
	a) Already recovered in 3rd RA Bill	1225808.00		
	b) Already recovered in 4th RA Bill	224120.00		
	c) Already recovered in 5th RA Bill	216190.00		
	d) Already recovered in 6th RA Bill	201532.00		
	e) Already recovered in 7th RA Bill	239032.00		
	f) Already recovered in 8th RA Bill	241859.00		
	g) Already recovered in 9th RA Bill	497420.00		
	h) Already recovered in 10th RA Bill	0.00		
	i) Already recovered in 11th RA Bill	0.00		
	j) Already recovered in 12th RA Bill	0.00		
	k) Already recovered in 13th RA Bill	0.00		
	l) Already recovered in 14th RA Bill	0.00		
	m) Already recovered in 15th RA Bill	0.00		
	n) Already recovered in 16th RA Bill	0.00		
	o) Already recovered in 17th RA Bill	0.00		
	p) Already recovered in 18th RA Bill	0.00		
	q) Already recovered in 19th RA Bill	0.00		
	r) To be recovered in this bill	Rs. 0.00		Rs. 0.00

(ii)	Material Laying at site - Steel				
	a) Already recovered in 3rd RA Bill	8478935.00			
	b) Already recovered in 4th RA Bill	1601924.00			
	c) Already recovered in 5th RA Bill	324012.00			
	d) Already recovered in 6th RA Bill	424990.00			
	e) Already recovered in 7th RA Bill	399197.00			
	f) Already recovered in 8th RA Bill	364686.00			
	g) Already recovered in 9th RA Bill	217034.00			
	h) Already recovered in 10th RA Bill	2160074.00			
	i) Already recovered in 11th RA Bill	330719.00			
	j) Already recovered in 12th RA Bill	400216.00			
	k) Already recovered in 13th RA Bill	471436.00			
	l) Already recovered in 14th RA Bill	301802.00			
	m) Already recovered in 15th RA Bill	0.00			
	n) Already recovered in 16th RA Bill	167267.00			
	o) Already recovered in 17th RA Bill	356405.00			
	p) Already recovered in 18th RA Bill	0.00			
	q) Already recovered in 19th RA Bill	458711.00			
	r) To be recovered in this bill	249498.00			
		Rs. 250,964.00			Rs. 250,964.00
(iii)	Security deposit @ 2.5% on Total Workdone Amount	2182909.24			
	a) Already recovered in 2nd RA Bill	475623.00			
	b) Already recovered in 3rd RA Bill	359238.00			
	c) Already recovered in 4th RA Bill	60506.55			
	d) Already recovered in 5th RA Bill	60668.39			
	e) Already recovered in 6th RA Bill	59487.70			
	f) Already recovered in 7th RA Bill	60870.19			
	g) Already recovered in 8th RA Bill	62041.00			
	h) Already recovered in 9th RA Bill	626354.00			
	i) Already recovered in 10th RA Bill	62146.00			
	j) Already recovered in 11th RA Bill	61955.00			
	k) Already recovered in 12th RA Bill	62288.00			
	l) Already recovered in 13th RA Bill	61579.00			
	m) Already recovered in 14th RA Bill	61839.00			
	n) Already recovered in 15th RA Bill	62080.00			
	o) Already recovered in 16th RA Bill	54413.00			
	p) Already recovered in 17th RA Bill	60900.00			
	q) Already recovered in 18th RA Bill	60624.00			
	r) Already recovered in 19th RA Bill	75628.00			
	s) To be recovered in this bill	-Rs. 205,332.00			-Rs. 205,332.00

(r)	IT @ 2% on Total Workdone Amount	1746327.39			
	a) Already recovered in 1st RA Bill	99751.00			
	b) Already recovered in 2nd RA Bill	380499.00			
	c) Already recovered in 3rd RA Bill	287390.00			
	d) Already recovered in 4th RA Bill	48405.08			
	e) Already recovered in 5th RA Bill	-51216.33			
	f) Already recovered in 6th RA Bill	47590.16			
	g) Already recovered in 7th RA Bill	48696.15			
	h) Already recovered in 8th RA Bill	49633.00			
	i) Already recovered in 9th RA Bill	501083.00			
	j) Already recovered in 10th RA Bill	49717.00			
	k) Already recovered in 11th RA Bill	49564.00			
	l) Already recovered in 12th RA Bill	49830.00			
	m) Already recovered in 13th RA Bill	49263.00			
	n) Already recovered in 14th RA Bill	49471.00			
	o) Already recovered in 15th RA Bill	49664.00			
	p) Already recovered in 16th RA Bill	43531.00			
	q) Already recovered in 17th RA Bill	48720.00			
	r) Already recovered in 18th RA Bill	48499.00			
	s) Already recovered in 19th RA Bill	60502.00			
	t) To be recovered in this bill	-Rs. 164,265.00			-Rs. 164,265.00
(s)	Labour Welfare Cess @ 1% on Total Workdone Amount	873163.70			
	a) Already recovered in 2nd RA Bill	190249.00			
	b) Already recovered in 3rd RA Bill	143695.00			
	c) Already recovered in 4th RA Bill	24203.02			
	d) Already recovered in 5th RA Bill	24267.35			
	e) Already recovered in 6th RA Bill	23795.09			
	f) Already recovered in 7th RA Bill	24348.07			
	g) Already recovered in 8th RA Bill	24816.00			
	h) Already recovered in 9th RA Bill	250542.00			
	i) Already recovered in 10th RA Bill	24859.00			
	j) Already recovered in 11th RA Bill	24782.00			
	k) Already recovered in 12th RA Bill	24915.00			
	l) Already recovered in 13th RA Bill	24631.00			
	m) Already recovered in 14th RA Bill	24736.00			
	n) Already recovered in 15th RA Bill	24832.00			
	o) Already recovered in 16th RA Bill	21765.00			
	) Already recovered in 17th RA Bill	24360.00			
	) Already recovered in 18th RA Bill	24250.00			
	Already recovered in 19th RA Bill	30251.00			
	To be recovered in this bill	-Rs. 82,133.00			-Rs. 82,133.00

(vi)	UGST @ 1% on Total Workdone Amount	873163.70			
	a) Already recovered in 1st RA Bill	49875.50			
	b) Already recovered in 2nd RA Bill	190249.50			
	c) Already recovered in 3rd RA Bill	143695.00			
	d) Already recovered in 4th RA Bill	24202.52			
	e) Already recovered in 5th RA Bill	-25608.15			
	f) Already recovered in 6th RA Bill	23795.09			
	g) Already recovered in 7th RA Bill	24348.07			
	h) Already recovered in 8th RA Bill	24816.00			
	i) Already recovered in 9th RA Bill	250542.00			
	j) Already recovered in 10th RA Bill	24859.00			
	k) Already recovered in 11th RA Bill	24782.00			
	l) Already recovered in 12th RA Bill	24915.00			
	m) Already recovered in 13th RA Bill	24631.00			
	n) Already recovered in 14th RA Bill	24736.00			
	o) Already recovered in 15th RA Bill	24832.00			
	p) Already recovered in 16th RA Bill	21765.00			
	q) Already recovered in 17th RA Bill	24360.00			
	r) Already recovered in 18th RA Bill	24250.00			
	s) Already recovered in 18th RA Bill	30251.00			
	t) To be recovered in this bill	-Rs. 82,133.00			-Rs. 82,133.00
(vii)	CGST @ 1% on Total Workdone Amount	873163.70			
	a) Already recovered in 1st RA Bill	49875.50			
	b) Already recovered in 2nd RA Bill	190249.50			
	c) Already recovered in 3rd RA Bill	143695.00			
	d) Already recovered in 4th RA Bill	24202.52			
	e) Already recovered in 5th RA Bill	-25608.15			
	f) Already recovered in 6th RA Bill	23795.09			
	g) Already recovered in 7th RA Bill	24348.07			
	h) Already recovered in 8th RA Bill	24816.00			
	i) Already recovered in 9th RA Bill	250542.00			
	j) Already recovered in 10th RA Bill	24859.00			
	k) Already recovered in 11th RA Bill	24782.00			
	l) Already recovered in 12th RA Bill	24915.00			
	m) Already recovered in 13th RA Bill	24631.00			
	n) Already recovered in 14th RA Bill	24736.00			
	o) Already recovered in 15th RA Bill	24832.00			
	p) Already recovered in 16th RA Bill	21765.00			
	q) Already recovered in 17th RA Bill	24360.00			
	r) Already recovered in 18th RA Bill	24250.00			
	s) Already recovered in 19th RA Bill	30251.00			
	t) To be recovered in this bill	-Rs. 82,133.00			-Rs. 82,133.00
				Total Recovery (B)	**-Rs. 365,032.00**
				Net Amount Payable in this Bill (A-B)	**Rs. 2,844,766.00**
				Says	**Rs. 2,844,766.00**

Net Amount in words:- (Rupees Twenty Eight Lakhs Forty Four Thousand Seven Hundred Sixty Six Only)

Certified that:-

1. The work has been executed as per terms and conditions of the agreement.
2. No material and T & P has been issued from the Department.
3. Own arrangements for water has been made.
4. No Labour Complaints has been received.
5. Requisite technical staff has been employed as per agreement.
6. Up to date recoveries have been effected in this bill.
7. All Mandatory Test have been conducted.

Signature of the Contractor

Signature of the AE

Signature of the EE (Works)

Secured Advance against the materials brought at site

Name of Work:- Marine esplanade: Marina road restructuring with uniform carriage way, walking track, street lighting, street furniture, service core trenching and land scaping.

Agreement No :- 01 (PBSPL) of 2020-21

Agency :- M/s. Surendra Infrastructure (P) Ltd.

Serial no of this bill :- 20th R.A Bill

S.No	Sch Item No.	Description of Items	Quantity	Unit	Rate Allowed	Amount
1	1.09	Steel TMT Bars	171291.608	Kgs	49.50	8478934.596
					Total Amount	**8478934.60**
					Says	**8478935.00**

Junior Engineer-III (Works)

PBMC

THEORETICAL STATEMENT

e of Work:- Marine esplanade: Marina road restructuring with uniform carriage way, walking track, street ing, street furniture, service core trenching and land scaping.

ement No :- 01 (PBSPL) of 2020-21

cy :- M/s. Surendra Infrastructure (P) Ltd.

l no of this bill :- 20th R.A Bill

lo	Sch Item No.	Description of Items	Quantity	Unit	Coefficient	Quantity
	1.04	**PCC 1:4:8**	443.277	Cum		
		Cement		Bags	3.410	1511.575
	1.07	**M-25**	609.153	Cum		
		Cement		Bags	6.860	4178.790
	1.08	**M-40**	2009.999	Cum		
		Cement		Bags	8.840	17768.391
	1.1	**12 mm plaster 1:4**	2215.325	Sqm		
		Cement		Bags	0.1094	242.357
					Total	**23701.112**

Executive Engineer
Municipal Council
Port Blair

Junior Engineer-III (Works)
PBMC

Ref. Page No: 14020 of TCMB

Authority: Agr. No: 01 (PB&PL) of 2020-21

Work No: Marina Esplanade: Marina road restructuring with interlock tray, structure s/lighting, s/furniture, service core toilet and land scaping.

Agency: M/s. Surendra Infrastructure (P) Ltd.

Gross value of work done → 2479734

Material laying at site now recovered → 250964

Net Pay → 22,28,770/-

Passed for Rs. 24,79,734/- (Rupees Twenty four lakhs seventy nine thousand seven hundred thirty four only)

Executive Engineer-III (Addl)
Municipal Council
Port Blair

Payment release for Rs. 22,28,770/-

ACCOUNTS OFFICER-III
Municipal Council
Port Blair

Division:- Executive Engineer-III (SWM/MC), Port Blair Municipal Council, Port Blair

(21st R.A BILL)

COMPUTERIZED MEASUREMENT BOOK

(DETAILS OF ABSTRACT)

CMB No:- 344/EE-III/SWM/MC/2021-22

Name of Work: - Marine esplanade: Marina road restructuring with uniform carriage way, walking track, street lighting, street furniture, service core trenching and land scaping.

Name of Contractor: - M/s. Surendra Infrastructure (P) Ltd.

Agreement No.: - 01 (PBSPL) of 2020-2021

Certified that this Computerized measurement book bearing no.344/EE-III/SWM/MC/2021-22 contains **19** leaves serially numbered from pages 01 to 19 and two blank pages without any damage.

Signature of
Contractor

Signature of
Assistant Engineer

Signature of
Executive Engineer

ABSTRACT OF COST

(21st R.A Bill)

Name of Work:- Marine esplanade: Marina road restructuring with uniform carriage way, walking track, street lighting, street furniture, service core trenching and land scaping.

Agreement No. :- 01 (PBSPL) of 2020-2021

Name of Agency :- M/s. Surendra Infrastructure (P) Ltd.

Date of Commencement :- 07.12.2020

Date of Completion :- In Progress

Reference to previous measurement, if any :- NIL

Serial no. of this bill :- 21st R.A Bill

CMB no. of this bill :- 344/EE-III/SWM/MC/2021-22

Date of Abstract :-

Item No.	Particulars	Quantity	Unit	Rate	Amount
1	**CIVIL WORKS**				
1.01	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m. a) All kinds of soil.				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.01 (2nd R.A Bill Qty)	17.617			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.01 (3rd R.A Bill Qty)	139.362			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.01 (4th R.A Bill Qty)	54.283			
	Qty b/f CMB No.267/EE-III/SWM/MC/2020-21 vide page no.01 (8th R.A Bill Qty)	69.113			
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.01 (9th R.A Bill Qty)	2902.781			
	Qty b/f CMB No.342/EE-III/SWM/MC/2021-22 vide page no.01 (20th R.A Bill Qty)	646.620			
	Total	**3829.776**	**Cum**	**Rs. 225.00**	**Rs. 861,699.60**
1.02	Excavation work by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m. Hard rock (blasting prohibited)				
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.01 (9th R.A Bill Qty)	242.226			
	Total	**242.226**	**Cum**	**Rs. 500.00**	**Rs. 121,113.00**

1.03	Filling with available pulverised sand				
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.01 (9th R.A Bill Qty)	144.052			
	Qty b/f CMB No.287/EE-III/SWM/MC/2021-22 vide page no.01 (11th R.A Bill Qty)	15.969			
	Qty b/f CMB No.342/EE-III/SWM/MC/2021-22 vide page no.02 (20th R.A Bill Qty)	56.785			
	Total	**216.806**	**Cum**	**Rs. 3,400.00**	**Rs. 737,140.40**
1.04	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:4:8 (1 Cement : 4 coarse sand (Zone III) : 8 graded stone aggregate 40 mm nominal size)				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.01 (2nd R.A Bill Qty)	11.242			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.02 (3rd R.A Bill Qty)	85.005			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.01 (4th R.A Bill Qty)	11.369			
	Qty b/f CMB No.235/EE-III/SWM/MC/2020-21 vide page no.01 (5th R.A Bill Qty)	8.928			
	Qty b/f CMB No.241/EE-III/SWM/MC/2020-21 vide page no.01 (6th R.A Bill Qty)	2.864			
	Qty b/f CMB No.243/EE-III/SWM/MC/2020-21 vide page no.01 (7th R.A Bill Qty)	13.392			
	Qty b/f CMB No.267/EE-III/SWM/MC/2020-21 vide page no.02 (8th R.A Bill Qty)	15.993			
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.02 (9th R.A Bill Qty)	194.516			
	Qty b/f CMB No.287/EE-III/SWM/MC/2021-22 vide page no.02 (11th R.A Bill Qty)	15.969			
	Qty b/f CMB No.308/EE-III/SWM/MC/2021-22 vide page no.06 (15th R.A Bill Qty)	4.464			
	Qty b/f CMB No.312/EE-III/SWM/MC/2021-22 vide page no.02 (16th R.A Bill Qty)	9.280			
	Qty b/f CMB No.316/EE-III/SWM/MC/2021-22 vide page no.02 (18th R.A Bill Qty)	4.464			
	Qty b/f CMB No.324/EE-III/SWM/MC/2021-22 vide page no.02 (19th R.A Bill Qty)	8.928			
	Qty b/f CMB No.342/EE-III/SWM/MC/2021-22 vide page no.04 (20th R.A Bill Qty)	56.863			
	Total	**443.277**	**Cum**	**Rs. 9,250.00**	**Rs. 4,100,312.25**

1.05	Providing and laying in position machine batched and machine mixed design mix M-25 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying but excluding the cost of centering, shuttering, finishing and reinforcement, including admixtures in recommended proportions as per IS: 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer-in charge."(Note :- Cement content considered in this item is @ 330 kg/cum."Excess/ less cement used as per design mix is payable/recoverable separately). All works upto plinth level				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.01 (2nd R.A Bill Qty)	10.528			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.03 (3rd R.A Bill Qty)	320.952			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.02 (4th R.A Bill Qty)	59.176			
	Qty b/f CMB No.235/EE-III/SWM/MC/2020-21 vide page no.02 (5th R.A Bill Qty)	58.454			
	Qty b/f CMB No.241/EE-III/SWM/MC/2020-21 vide page no.02 (6th R.A Bill Qty)	16.382			
	Qty b/f CMB No.243/EE-III/SWM/MC/2020-21 vide page no.02 (7th R.A Bill Qty)	74.954			
	Qty b/f CMB No.267/EE-III/SWM/MC/2020-21 videpage no.02 (8th R.A Bill Qty)	81.964			
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.04 (9th R.A Bill Qty)	310.818			
	Qty b/f CMB No.302/EE-III/SWM/MC/2021-22 vide page no.02 (12th R.A Bill Qty)	11.773			
	Qty b/f CMB No.308/EE-III/SWM/MC/2021-22 vide page no.06 (15th R.A Bill Qty)	29.227			
	Qty b/f CMB No.312/EE-III/SWM/MC/2021-22 vide page no.03 (16th R.A Bill Qty)	60.496			
	Qty b/f CMB No.316/EE-III/SWM/MC/2021-22 vide page no.03 (18th R.A Bill Qty)	29.227			
	Qty b/f CMB No.324/EE-III/SWM/MC/2021-22 vide page no.03 (19th R.A Bill Qty)	58.454			
	Total	**1122.405**	**Cum**	**Rs. 11,000.00**	**Rs. 12,346,455.00**
1.06	Extra for laying RCC in or under water and/or liquid mud, including cost of pumping or bailing out water and removing slush etc., complete.				
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.03 (3rd R.A Bill Qty)	320.702			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.02 (4th R.A Bill Qty)	80.263			
	Qty b/f CMB No.235/EE-III/SWM/MC/2020-21 vide page no.2 (5th R.A Bill Qty)	89.103			
	Qty b/f CMB No.241/EE-III/SWM/MC/2020-21 vide page no.02 (6th R.A Bill Qty)	24.914			
	Qty b/f CMB No.243/EE-III/SWM/MC/2020-21 vide page no.02 (7th R.A Bill Qty)	110.070			
	Qty b/f CMB No.267/EE-III/SWM/MC/2020-21 vide page no.03 (8th R.A Bill Qty)	68.142			
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.04 (9th R.A Bill Qty)	466.494			

	Qty b/f CMB No.302/EE-III/SWM/MC/2021-22 vide page no.03 (12th R.A Bill Qty)	17.265			
	Qty b/f CMB No.308/EE-III/SWM/MC/2021-22 vide page no.08 (15th R.A Bill Qty)	44.553			
	Qty b/f CMB No.312/EE-III/SWM/MC/2021-22 vide page no.03 (16th R.A Bill Qty)	92.508			
	Qty b/f CMB No.316/EE-III/SWM/MC/2021-22 vide page no.03 (18th R.A Bill Qty)	44.553	156.00 × 650/-		101400/-
	Qty b/f CMB No.324/EE-III/SWM/MC/2021-22 vide page no.03 (19th R.A Bill Qty)	89.106	40.800 × 650/-		30420/-
			1244.672 × 487/50		606875/50
	Total	1447.673	Cum	Rs. 650.00	Rs. 940,997.50
1.07	Providing and laying in position machine batched and machine mixed design mix M-25 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying but excluding the cost of centering, shuttering, finishing and reinforcement, including admixtures in recommended proportions as per IS: 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer-in charge."(Note :- Cement contentconsidered in this item is @ 330 kg/cum."Excess/ less cement used as per design mix is payable/recoverable separately). All works above plinth level upto floor V level				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.02 (2nd R.A Bill Qty)	14.812			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.04 (3rd R.A Bill Qty)	222.185			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.03 (4th R.A Bill Qty)	52.226			
	Qty b/f CMB No.235/EE-III/SWM/MC/2020-21 vide page no.03 (5th R.A Bill Qty)	52.747			
	Qty b/f CMB No.241/EE-III/SWM/MC/2020-21 vide page no.03 (6th R.A Bill Qty)	93.837			
	Qty b/f CMB No.243/EE-III/SWM/MC/2020-21 vide page no.03 (7th R.A Bill Qty)	43.768			
	Qty b/f CMB No.267/EE-III/SWM/MC/2020-21 vide page no.03 (8th R.A Bill Qty)	45.130			
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.06 (9th R.A Bill Qty)	363.021			
	Qty b/f CMB No.285/EE-III/SWM/MC/2021-22 vide page no.04 (10th R.A Bill Qty)	45.949			
	Qty b/f CMB No.287/EE-III/SWM/MC/2021-22 vide page no.03 (11th R.A Bill Qty)	131.561			
	Qty b/f CMB No.302/EE-III/SWM/MC/2021-22 vide page no.04 (12th R.A Bill Qty)	111.481			
	Qty b/f CMB No.304/EE-III/SWM/MC/2021-22 vide page no.04 (13th R.A Bill Qty)	113.978			
	Qty b/f CMB No.308/EE-III/SWM/MC/2021-22 vide page no.08 (15th R.A Bill Qty)	22.565			
	Qty b/f CMB No.312/EE-III/SWM/MC/2021-22 vide page no.04 (16th R.A Bill Qty)	35.036			
	Qty b/f CMB No.316/EE-III/SWM/MC/2021-22 vide page no.04 (18th R.A Bill Qty)	76.963			
	Qty b/f CMB No.324/EE-III/SWM/MC/2021-22 vide page no.04 (19th R.A Bill Qty)	71.488			
	Qty b/f CMB No.343/EE-III/SWM/MC/2021-22 vide page no.01 (21st R.A Bill Qty)	55.506			
	Qty b/f CMB No.343/EE-III/SWM/MC/2021-22 vide page no.03 (21st R.A Bill Qty)	66.784			
	Total	1619.037	Cum	Rs. 11,400.00	Rs. 18,457,021.80

	Providing M-25 grade concrete. (Note : Cement content considered as per Design Mix M25 - 343 kg/cbm approved.				
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.05 (3rd R.A Bill Qty)	2003.625			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.03 (4th R.A Bill Qty)	389.337			
	Qty b/f CMB No.267/EE-III/SWM/MC/2020-21 vide page no.04 (8th R.A Bill Qty)	520.130			
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.06 (9th R.A Bill Qty)	334.867			
	Qty b/f CMB No.285/EE-III/SWM/MC/2021-22 vide page no.04 (10th R.A Bill Qty)	194.038			
	Qty b/f CMB No.287/EE-III/SWM/MC/2021-22 vide page no.04 (11th R.A Bill Qty)	1710.293			
	Qty b/f CMB No.302/EE-III/SWM/MC/2021-22 vide page no.04 (12th R.A Bill Qty)	1210.950			
	Qty b/f CMB No.304/EE-III/SWM/MC/2021-22 vide page no.04 (13th R.A Bill Qty)	1481.714			
	Qty b/f CMB No.324/EE-III/SWM/MC/2021-22 vide page no.05 (19th R.A Bill Qty)	73.788			
	Extra for providing M-25 grade concrete. (Note : Cement content considered as per Design Mix M25 - 343 kg/cbm approved. (Qty - 122.290 Cum) Cement Qty = 122.290 x 343 = 41945.470 Kg = 122.290 x 330 = 40355.700 Kg Difference Qty = 1589.770 Kg	1589.770			
	Total	**9508.512**	**Kg**	**Rs. 10.00**	**Rs. 95,085.12**
1.08	Extra for providing richer mixes at all floor levels. Note:- Excess/less cement over the specified cement content used is payable / recoverable separately. Providing M-40 grade concrete instead of M-25 grade BMC/RMC. (Note : Cement content considered in M-40 is @ 360 kg/cum)				
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.05 (3rd R.A Bill Qty)	414.336			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.03 (4th R.A Bill Qty)	81.453			
	Qty b/f CMB No.235/EE-III/SWM/MC/2020-21 vide page no.03 (5th R.A Bill Qty)	111.201			
	Qty b/f CMB No.241/EE-III/SWM/MC/2020-21 vide page no.04 (6th R.A Bill Qty)	110.218			
	Qty b/f CMB No.243/EE-III/SWM/MC/2020-21 vide page no.04 (7th R.A Bill Qty)	118.722			
	Qty b/f CMB No.267/EE-III/SWM/MC/2020-21 vide page no.04 (8th R.A Bill Qty)	75.381			
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.07 (9th R.A Bill Qty)	659.783			
	Qty b/f CMB No.285/EE-III/SWM/MC/2021-22 vide page no.04 (10th R.A Bill Qty)	31.023			
	Qty b/f CMB No.302/EE-III/SWM/MC/2021-22 vide page no.04 (12th R.A Bill Qty)	30.102			
	Qty b/f CMB No.308/EE-III/SWM/MC/2021-22 vide page no.10 (15th R.A Bill Qty)	51.792			
	Qty b/f CMB No.312/EE-III/SWM/MC/2021-22 vide page no.05 (16th R.A Bill Qty)	95.532			
	Qty b/f CMB No.316/EE-III/SWM/MC/2021-22 vide page no.05 (18th R.A Bill Qty)	106.190			
	Qty b/f CMB No.324/EE-III/SWM/MC/2021-22 vide page no.05 (19th R.A Bill Qty)	124.266			
	Total	**2009.999**	**Cum**	**Rs. 320.00**	**Rs. 643,199.68**

	Extra for providing richer mixes M-40 grade concrete. (Note : Cement content considered as per Design Mix M40 - 442 kg/cbm approved.				
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.05 (3rd R.A Bill Qty)	33975.552			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.03 (4th R.A Bill Qty)	6679.146			
	Qty b/f CMB No.235/EE-III/SWM/MC/2020-21 vide page no.03 (5th R.A Bill Qty)	9118.482			
	Qty b/f CMB No.241/EE-III/SWM/MC/2020-21 vide page no.05 (6th R.A Bill Qty)	9037.958			
	Qty b/f CMB No.243/EE-III/SWM/MC/2020-21 vide page no.04 (7th R.A Bill Qty)	9735.201			
	Qty b/f CMB No.267/EE-III/SWM/MC/2020-21 vide page no.04 (8th R.A Bill Qty)	6181.242			
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.08 (9th R.A Bill Qty)	54102.206			
	Qty b/f CMB No.285/EE-III/SWM/MC/2021-22 vide page no.05 (10th R.A Bill Qty)	2543.886			
	Qty b/f CMB No.302/EE-III/SWM/MC/2021-22 vide page no.05 (12th R.A Bill Qty)	2468.361			
	Qty b/f CMB No.308/EE-III/SWM/MC/2021-22 vide page no.05 (15th R.A Bill Qty)	4246.911			
	Qty b/f CMB No.312/EE-III/SWM/MC/2021-22 vide page no.06 (16th R.A Bill Qty)	7833.624			
	Qty b/f CMB No.316/EE-III/SWM/MC/2021-22 vide page no.06 (18th R.A Bill Qty)	8707.580			
	Qty b/f CMB No.324/EE-III/SWM/MC/2021-22 vide page no.06 (19th R.A Bill Qty)	10189.812			
	Total	**164820.000**	**Kg**	**Rs. 10.00**	**Rs. 1,648,200.00**
1.09	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level. A) Thermo-Mechanically Treated bars of grade Fe-500D or more.				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.02 (2nd R.A Bill Qty)	1051.813			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.05 (3rd R.A Bill Qty)	31310.281			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.04 (4th R.A Bill Qty)	6545.698			
	Qty b/f CMB No.235/EE-III/SWM/MC/2020-21 vide page no.04 (5th R.A Bill Qty)	8585.653			
	Qty b/f CMB No.241/EE-III/SWM/MC/2020-21 vide page no.06 (6th R.A Bill Qty)	8064.591			
	Qty b/f CMB No.243/EE-III/SWM/MC/2020-21 vide page no.04 (7th R.A Bill Qty)	7367.385			
	Qty b/f CMB No.267/EE-III/SWM/MC/2020-21 vide page no.05 (8th R.A Bill Qty)	4384.528			
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.10 (9th R.A Bill Qty)	43637.869			
	Qty b/f CMB No.285/EE-III/SWM/MC/2021-22 vide page no.05 (10th R.A Bill Qty)	6681.193			
	Qty b/f CMB No.287/EE-III/SWM/MC/2021-22 vide page no. (11th R.A Bill Qty)	8085.169			
	Qty b/f CMB No.302/EE-III/SWM/MC/2021-22 vide page no.06 (12th R.A Bill Qty)	9523.962			
	Qty b/f CMB No.304/EE-III/SWM/MC/2021-22 vide page no.06 (13th R.A Bill Qty)	6097.007			
	Qty b/f CMB No.308/EE-III/SWM/MC/2021-22 vide page no.03 (15th R.A Bill Qty)	3379.127			
	Qty b/f CMB No.312/EE-III/SWM/MC/2021-22 vide page no.07 (16th R.A Bill Qty)	7200.099			

	Qty b/f CMB No.316/EE-III/SWM/MC/2021-22 vide page no.07 (18th R.A Bill Qty)	9266.900			
	Qty b/f CMB No.324/EE-III/SWM/MC/2021-22 vide page no.07 (19th R.A Bill Qty)	5040.365			
	Qty b/f CMB No.342/EE-III/SWM/MC/2021-22 vide page no.06 (20th R.A Bill Qty)	5069.968			
	Qty b/f CMB No.343/EE-III/SWM/MC/2021-22 vide page no.02 (21st R.A Bill Qty)	3648.013			
	Total	**174939.621**	**Kg**	**Rs. 91.00**	**Rs. 15,919,505.51**
1.1	12 mm plaster 1:4				
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.10 (9th R.A Bill Qty)	1672.905			
	Qty b/f CMB No.308/EE-III/SWM/MC/2021-22 vide page no.10 (15th R.A Bill Qty)	264.920			
	Qty b/f CMB No.312/EE-III/SWM/MC/2021-22 vide page no.07 (16th R.A Bill Qty)	277.500			
		2215.325	**Sqm**	**Rs. 370.00**	**Rs. 819,670.25**
1.11	Centering and shuttering including strutting, propping etc. and removal of form work for : Foundations, footings, bases for columns				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.02 (2nd R.A Bill Qty)	50.400			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.07 (3rd R.A Bill Qty)	267.000			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.04 (4th R.A Bill Qty)	23.630			
	Qty b/f CMB No.235/EE-III/SWM/MC/2020-21 vide page no.04 (5th R.A Bill Qty)	26.800			
	Qty b/f CMB No.241/EE-III/SWM/MC/2020-21 vide page no.06 (6th R.A Bill Qty)	11.320			
	Qty b/f CMB No.243/EE-III/SWM/MC/2020-21 vide page no.05 (7th R.A Bill Qty)	40.200			
	Qty b/f CMB No.267/EE-III/SWM/MC/2020-21 vide page no.05 (8th R.A Bill Qty)	30.480			
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.11 (9th R.A Bill Qty)	149.200			
	Qty b/f CMB No.308/EE-III/SWM/MC/2021-22 vide page no.06 (15th R.A Bill Qty)	13.400			
	Qty b/f CMB No.312/EE-III/SWM/MC/2021-22 vide page no.07 (16th R.A Bill Qty)	32.160			
	Qty b/f CMB No.316/EE-III/SWM/MC/2021-22 vide page no.07 (18th R.A Bill Qty)	13.400			
	Qty b/f CMB No.324/EE-III/SWM/MC/2021-22 vide page no.07 (19th R.A Bill Qty)	26.800			
	Total	**684.790**	**Sqm**	**Rs. 340.00**	**Rs. 232,828.60**
1.12	Centering and shuttering including strutting, propping etc. and removal of form work for : Retaining walls, return walls, walls (any thickness) including attached pilasters, butteresses, plinth and string courses fillets, kerbs and steps etc.				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.02 (2nd R.A Bill Qty)	142.478			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.08 (3rd R.A Bill Qty)	1784.236			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.04 (4th R.A Bill Qty)	542.815			
	Qty b/f CMB No.235/EE-III/SWM/MC/2020-21 vide page no.05 (5th R.A Bill Qty)	234.276			
	Qty b/f CMB No.241/EE-III/SWM/MC/2020-21 vide page no.07 (6th R.A Bill Qty)	383.468			

	Qty b/f CMB No.243/EE-III/SWM/MC/2020-21 vide page no.05 (7th R.A Bill Qty)	197.338			
	Qty b/f CMB No.267/EE-III/SWM/MC/2020-21 vide page no.06 (8th R.A Bill Qty)	604.812			
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.13 (9th R.A Bill Qty)	1768.461			
	Qty b/f CMB No.285/EE-III/SWM/MC/2021-22 vide page no.07 (10th R.A Bill Qty)	200.384			
	Qty b/f CMB No.287/EE-III/SWM/MC/2021-22 vide page no.06 (11th R.A Bill Qty)	41.326			
	Qty b/f CMB No.302/EE-III/SWM/MC/2021-22 vide page no.07 (12th R.A Bill Qty)	224.470			
	Qty b/f CMB No.304/EE-III/SWM/MC/2021-22 vide page no.07 (13th R.A Bill Qty)	440.680			
	Qty b/f CMB No.308/EE-III/SWM/MC/2021-22 vide page no.07 (15th R.A Bill Qty)	101.159			
	Qty b/f CMB No.312/EE-III/SWM/MC/2021-22 vide page no.08 (16th R.A Bill Qty)	174.256			
	Qty b/f CMB No.316/EE-III/SWM/MC/2021-22 vide page no.08 (18th R.A Bill Qty)	326.227			
	Qty b/f CMB No.324/EE-III/SWM/MC/2021-22 vide page no.08 (19th R.A Bill Qty)	309.000			
	Qty b/f CMB No.342/EE-III/SWM/MC/2021-22 vide page no.08 (20th R.A Bill Qty)	26.410			
	Qty b/f CMB No.343/EE-III/SWM/MC/2021-22 vide page no.01 (21st R.A Bill Qty)	10.800			
	Qty b/f CMB No.343/EE-III/SWM/MC/2021-22 vide page no.02 (21st R.A Bill Qty)	13.005			
	Total	**7525.601**	**Sqm**	**Rs. 570.00**	**Rs. 4,289,592.57**
1.13	Centering and shuttering including strutting, propping etc. and removal of form for all heights : Extra for shuttering in circular work (20% of respective centering and shutttering items)				
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.05 (4th R.A Bill Qty)	50.597			
	Qty b/f CMB No.235/EE-III/SWM/MC/2020-21 vide page no.05 (5th R.A Bill Qty)	37.948			
	Qty b/f CMB No.241/EE-III/SWM/MC/2020-21 vide page no.07 (6th R.A Bill Qty)	59.749			
	Qty b/f CMB No.243/EE-III/SWM/MC/2020-21 vide page no.05 (7th R.A Bill Qty)	12.649			
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.13 (9th R.A Bill Qty)	138.574			
	Qty b/f CMB No.285/EE-III/SWM/MC/2021-22 vide page no.07 (10th R.A Bill Qty)	37.948			
	Qty b/f CMB No.302/EE-III/SWM/MC/2021-22 vide page no.07 (12th R.A Bill Qty)	8.786			
	Qty b/f CMB No.316/EE-III/SWM/MC/2021-22 vide page no.08 (18th R.A Bill Qty)	53.534			
	Qty b/f CMB No.324/EE-III/SWM/MC/2021-22 vide page no.09 (19th R.A Bill Qty)	25.298			
	Total	**425.083**	**Sqm**	**Rs. 150.00**	**Rs. 63,762.45**

1.16	Providing and fixing FRP Pultruded hand rail with PU coating with 50x50x6mm post, top ergonomic hand rail 70x65x4mm mild omega shaped 80x4mm Toe/knee plate 80x3 mm with FRP Foot mount & SS 316 L fasterners Height 600mm AND FRP post at every 1.5 meter as per the direction of the engineer in charge.				
	Qty b/f CMB No.304/EE-III/SWM/MC/2021-22 vide page no.16 (13th R.A Bill Qty)	63.200			
	Qty b/f CMB No.306/EE-III/SWM/MC/2021-22 vide page no.07 (14th R.A Bill Qty)	90.000			
	Qty b/f CMB No.308/EE-III/SWM/MC/2021-22 vide page no.07 (15th R.A Bill Qty)	140.000			
	Qty b/f CMB No.314/EE-III/SWM/MC/2021-22 vide page no.07 (17th R.A Bill Qty)	580.000			
	Total	**293.200**	**meter**	**Rs. 5,600.00**	**Rs. 1,641,920.00**
		580.000	**meter**	**Rs. 4,200.00**	**Rs. 2,436,000.00**
1.17	Providing and laying factory made chamfered edge Cement Concrete paver blocks in foot path, park & lawns driveway or light & traffic parking etc. of required strength, thickness & size/shape, made by table vibratory method using PU mould, laid in required colour & pattern over 50 mm thick compacted bed of course sand, compacting and proper embedding/laying of inter locking paver blocks unto the sand bedding layer through vibratory compaction by using plate vibrator, filling the joints with sand and cutting of paver blocks as per required size and pattern, finishing and sweeping extra sand, all complete as per manufacturer's specifications & direction of Engineer-in-Charge. 80mm thick Cement concrete paver block of M-35 grade with approved colour, design & pattern.				
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.14 (9th R.A Bill Qty)	1898.814			
	Qty b/f CMB No.285/EE-III/SWM/MC/2021-22 vide page no.07 (10th R.A Bill Qty)	428.519			
	Qty b/f CMB No.306/EE-III/SWM/MC/2021-22 vide page no.07 (14th R.A Bill Qty)	856.330			
	Qty b/f CMB No.308/EE-III/SWM/MC/2021-22 vide page no.11 (15th R.A Bill Qty)	230.725			
	Qty b/f CMB No.312/EE-III/SWM/MC/2021-22 vide page no.09 (16th R.A Bill Qty)	130.800			
	Qty b/f CMB No.343/EE-III/SWM/MC/2021-22 vide page no.03 (21st R.A Bill Qty)	315.820			
	Total	**3861.008**	**Sqm**	**Rs. 2,300.00**	**Rs. 8,880,318.38**
1.19	Demolishing R.C.C. work manually/ by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge.				
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.14 (9th R.A Bill Qty)	28.211			
	Total	**28.211**	**Cum**	**Rs. 1,100.00**	**Rs. 31,032.10**

1.2	Demolishing cement concrete manually/ by mechanical means and disposal of material within 50 metres lead as per direction of Engineerin-charge. cum Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix)				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.03 (2nd R.A Bill Qty)	2.963			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.08 (3rd R.A Bill Qty)	65.457			
	Qty b/f CMB No.267/EE-III/SWM/MC/2020-21 vide page no.07 (8th R.A Bill Qty)	21.475			
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.14 (9th R.A Bill Qty)	43.554			
	Qty b/f CMB No.304/EE-III/SWM/MC/2021-22 vide page no.09 (13th R.A Bill Qty)	2.892			
	Total	**136.341**	**Cum**	**Rs. 1,100.00**	**Rs. 149,975.10**
2	**ELECTRICAL WORKS**				
2.01	Supply of 8 Mtr. height decorative Chatsworth pole having cast iron decorative base and pipe dia of 165mm dia & 1 mtr long with cast iron reducer joining with 101mm OD straight pipe. Pole shall be mounted on square base plate. Decorative Cascade bracket with 940mm height mounted on pole. Pole and two brackets at differential height shall be galvanized and painted with PU paint in closed paint chamber with heating treatment in chamber. Make: Surya				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.03 (2nd R.A Bill Qty)	50.000			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.08 (3rd R.A Bill Qty)	15.000			
	Total	**65.000**	**Nos**	**Rs. 64,000.00**	**Rs. 4,160,000.00**
2.02	Supply of Decorative Luminaires for Urban lighting, body made of painted spun aluminum. The protector is made of polycarbonate grade UVresistant (IK 08). Permanently sealed optical compartment with IP66 protection. Luminaire offers tool free access to gear compartment with IP44 protection. Luminaire can be installed as a suspended luminaire. The luminaire is equipped with the LensoFlex2® technology photometric system. PMMA lenses with wide photometry for increased pole spacing. Fixture is having a surge protection of 10KA. Electronic driver is having power factor>0.90*, THD<20*% and input voltage range from 120-227V AC at 50Hz. Luminaire efficacy is 100 im/ watt system lumen greater than 7500 lumens in CCT range of 4000 as per ANSI. System life of 50000 burning hours with 70% of initial lumens maintained. Luminaire is suitable for operating temperature (Ta) from -20 to 50c. Driver can withstand 320V AC for 48 hours and 360V AC for 2 hours. Make: Surya SLE PT 75W VEGA				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.03 (2nd R.A Bill Qty)	50.000			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.09 (3rd R.A Bill Qty)	15.000			
	Total	**65.000**	**Nos**	**Rs. 40,000.00**	**Rs. 2,600,000.00**

2.03	Supply of Decorative Luminaires for Urban lighting, body made of painted spun aluminum. The protector is made of polycarbonate grade UVresistant (IK 08). Permanently sealed optical compartment with IP66 protection. Luminaire offers tool free access to gear compartment with IP44 protection. Luminaire can be installed as a suspended luminaire. The luminaire is equipped with the LensoFlex2® technology photometric system. PMMA lenses with wide photometry for increased pole spacing. Fixture is having a surge protection of 10KA. Electronic driver is having power factor>0.90*, THD<20*% and input voltage range from 120-227V AC at 50Hz. Luminaire efficacy is 100 im/ watt system lumen greater than 7500 lumens in CCT range of 4000 as per ANSI. System life of 50000 burning hours with 70% of initial lumens maintained. Luminaire is suitable for operating temperature (Ta) from -20 to 50c. Driver can withstand 320V AC for 48 hours and 360V AC for 2 hours. Make: Surya SLE PT 40W VEGA				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.04 (2nd R.A Bill Qty)	50.000			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.09 (3rd R.A Bill Qty)	15.000			
	Total	**65.000**	**Nos**	**Rs. 33,500.00**	**Rs. 2,177,500.00**
2.04	Providing of XLPE (IS:7098) (I)-88 ISI armoured cable multistrand Aluminium conductor for 1.1 KV. to be laid on wall with necessary clamps or in existing				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.04 (2nd R.A Bill Qty)	1500.000	1500.000 x 275/- 450.000 x 275/-	412500/- 123750/-	
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.09 (3rd R.A Bill Qty)	1500.000	1050.00 x 206/25	216562/50	
	Total	**3000.000**	**Mtr**	**Rs. 275.00**	**Rs. 825,000.00**
2.05	Supply of 50mm DWC pipes of approved make for covering of cable.				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.04 (2nd R.A Bill Qty)	1200.000	1200.000 x 230/- 360.000 x 230/-	276000/- 82800/-	
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.10 (3rd R.A Bill Qty)	1200.000	840.000 x 172/50	144900/-	
	Total	**2400.000**	**Mtr**	**Rs. 230.00**	**Rs. 552,000.00**
2.06	Supply of Flexible PVC insulated multistrand multicore 1.1 kv grade ISI marked copper wires of following size to be erected as directed 1.50 Sq.mm 3 core round PVC sheathed.				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.04 (2nd R.A Bill Qty)	700.000	700.000 x 255 210.000 x 255	178500.00 53550.00	
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.10 (3rd R.A Bill Qty)	700.000	490.000 x 191/25	93712.50	
	Total	**1400.000**	**Mtr**	**Rs. 255.00**	**Rs. 357,000.00**
3	**SUB HEAD : Installation, Testing and Commissioning of Streetlight System**				
3.01	Installation of 8 mtr Decorative Pole including excavation and constructing M-20/1:2:4 cement concrete foundation of size 45 x 45 x 120 cms. Deep as directed by Engineer-in-charge.				
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.17 (9th R.A Bill Qty)	15.000			
	Qty b/f CMB No.285/EE-III/SWM/MC/2021-22 vide page no.10 (10th R.A Bill Qty)	1.000			
	Total	**16.000**	**Nos**	**Rs. 5,550.00**	**Rs. 88,800.00**

3.02	Installation. Testing and Commissioning of 75/40 watt Decorative LED Luminaries.				
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.17 (9th R.A Bill Qty)	30.000			
	Total	**30.000**	**Nos**	**Rs. 700.00**	**Rs. 21,000.00**
3.03	Excavation and laying of DWC pipe at a 90 mm below the ground level/level below PCC in Jogging trck. Item includes refilling of the same trench.				
	Qty b/f CMB No.285/EE-III/SWM/MC/2021-22 vide page no.10 (10th R.A Bill Qty)	540.500			
	Qty b/f CMB No.302/EE-III/SWM/MC/2021-22 vide page no.10 (12th R.A Bill Qty)	80.650			
	Total	**621.150**	**Mtr**	**Rs. 325.00**	**Rs. 201,873.75**
3.04	Laying of 4x16 Sqmm Aluminium armoured cable in existing laid DWC pipe/on wall.				
	Qty b/f CMB No.285/EE-III/SWM/MC/2021-22 vide page no.10 (10th R.A Bill Qty)	500.460			
	Total	**500.460**	**Mtr**	**Rs. 60.00**	**Rs. 30,027.60**
3.05	Erecting of 3 core 1.5 sqmm copper flexible cable in pole from junction box to Luminaries				
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.17 (9th R.A Bill Qty)	300.000			
	Total	**300.000**	**Nos**	**Rs. 42.00**	**Rs. 12,600.00**
	EXTRA ITEM				
1.00	To provide structural design analysis with strucutal reinforcement details for construction of siutable wall section for the proposed construction of sea wall in front of Girls School along with the sea coast to a height of 3.00 mtrs suggesting appropriate section. designing of section and supply of detailed working drawings in CAD format 04 sets of CD and also vetted by any reconginised engineering college by Govt of India complete.				
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.17 (9th R.A Bill Qty)	1.000			
	Total	**1.000**	**Nos**	**Rs. 69,620.00**	**Rs. 69,620.00**
2.00	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including getting out and disposal of excavated earth lead upto 50 m and lift upto 1.5 m. as directed by Engineer-in-charge. All kinds of soil.				
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.17 (9th R.A Bill Qty)	4739.630			
	Qty b/f CMB No.342/EE-III/SWM/MC/2021-22 vide page no.12 (20th R.A Bill Qty)	1719.177			
	Total	**6458.807**	**Cum**	**Rs. 242.00**	**Rs. 1,563,031.29**
3.00	Carriage of Materials by mechanical transport including loading. unloading and stacking of earth for a lead of 05 kms.				
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.17 (9th R.A Bill Qty)	4739.630			
	Qty b/f CMB No.342/EE-III/SWM/MC/2021-22 vide page no.12 (20th R.A Bill Qty)	1719.177			
	Total	**6458.807**	**Cum**	**Rs. 228.23**	**Rs. 1,474,093.52**

1.00	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m.				
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.17 (9th R.A Bill Qty)	4667.865			
	Qty b/f CMB No.342/EE-III/SWM/MC/2021-22 vide page no.12 (20th R.A Bill Qty)	1676.967			
	Total	6344.832	Cum	Rs. 197.00	Rs. 1,249,931.90
				Total Workdone Amount	Rs. 89,798,297.33
	Secured Advance against the materials brought at site				
1.09	**Material Laying at site - Steel** TMT bars of size 8mm, 10mm, 12mm, 16mm and 20mm restricted to 90% of element cost	216020.00	Kg	Rs. 49.50	Rs. 10,692,990.00
				Total Gross Value	Rs. 100,491,287.33
				Paid in 2nd RA Bill	Rs. 19,024,930.00
				Paid in 3rd RA Bill	Rs. 14,369,518.00
				Paid in 4th RA Bill	Rs. 2,420,254.00
				Paid in 5th RA Bill	Rs. 2,426,737.00
				Paid in 6th RA Bill	Rs. 2,379,507.00
				Paid in 7th RA Bill	Rs. 2,434,807.00
				Paid in 8th RA Bill	Rs. 2,481,634.00
				Paid in 9th RA Bill	Rs. 25,054,173.00
				Paid in 10th RA Bill	Rs. 2,485,858.00
				Paid in 11th RA Bill	Rs. 2,478,212.00
				Paid in 12th RA Bill	Rs. 2,491,524.00
				Paid in 13th RA Bill	Rs. 2,463,149.00
				Paid in 14th RA Bill	Rs. 2,473,556.00
				Paid in 15th RA Bill	Rs. 2,483,197.00
				Paid in 16th RA Bill	Rs. 2,176,539.00
				Paid in 17th RA Bill	Rs. 2,436,000.00
				Paid in 18th RA Bill	Rs. 2,424,952.00
				Paid in 19th RA Bill	Rs. 3,025,079.00
				Paid in 20th RA Bill	Rs. 2,479,734.00
				Gross Value of 21st RA Bill	Rs. 2,481,927.33
				SAY	Rs. 2,481,927.00

	RECOVERY DETAILS				
				Gross Value (A)	**Rs. 2,481,927.00**
(i)	Schedule B Aggregates (-)	2845961.00			
	a) Already recovered in 3rd RA Bill	1225808.00			
	b) Already recovered in 4th RA Bill	224120.00			
	c) Already recovered in 5th RA Bill	216190.00			
	d) Already recovered in 6th RA Bill	201532.00			
	e) Already recovered in 7th RA Bill	239032.00			
	f) Already recovered in 8th RA Bill	241859.00			
	g) Already recovered in 9th RA Bill	497420.00			
	h) Already recovered in 10th RA Bill	0.00			
	i) Already recovered in 11th RA Bill	0.00			
	j) Already recovered in 12th RA Bill	0.00			
	k) Already recovered in 13th RA Bill	0.00			
	l) Already recovered in 14th RA Bill	0.00			
	m) Already recovered in 15th RA Bill	0.00			
	n) Already recovered in 16th RA Bill	0.00			
	o) Already recovered in 17th RA Bill	0.00			
	p) Already recovered in 18th RA Bill	0.00			
	q) Already recovered in 19th RA Bill	0.00			
	r) Already recovered in 20th RA Bill	0.00			
	s) To be recovered in this bill	Rs. 0.00			Rs. 0.00
(ii)	Material Laying at site - Steel	8659511.00			
	a) Already recovered in 3rd RA Bill	1601924.00			
	b) Already recovered in 4th RA Bill	324012.00			
	c) Already recovered in 5th RA Bill	424990.00			
	d) Already recovered in 6th RA Bill	399197.00			
	e) Already recovered in 7th RA Bill	364686.00			
	f) Already recovered in 8th RA Bill	217034.00			
	g) Already recovered in 9th RA Bill	2160074.00			
	h) Already recovered in 10th RA Bill	330719.00			
	i) Already recovered in 11th RA Bill	400216.00			
	j) Already recovered in 12th RA Bill	471436.00			
	k) Already recovered in 13th RA Bill	301802.00			
	l) Already recovered in 14th RA Bill	0.00			
	m) Already recovered in 15th RA Bill	167267.00			
	n) Already recovered in 16th RA Bill	356405.00			
	o) Already recovered in 17th RA Bill	0.00			
	p) Already recovered in 18th RA Bill	458711.00			
	q) Already recovered in 19th RA Bill	249498.00			
	r) Already recovered in 20th RA Bill	250964.00			
	s) To be recovered in this bill	Rs. 180,576.00			Rs. 180,576.00

(iii)	Security deposit @ 2.5% on Total Workdone Amount	2244957.43			
	a) Already recovered in 2nd RA Bill	475623.00			
	b) Already recovered in 3rd RA Bill	359238.00			
	c) Already recovered in 4th RA Bill	60506.55			
	d) Already recovered in 5th RA Bill	60668.39			
	e) Already recovered in 6th RA Bill	59487.70			
	f) Already recovered in 7th RA Bill	60870.19			
	g) Already recovered in 8th RA Bill	62041.00			
	h) Already recovered in 9th RA Bill	626354.00			
	i) Already recovered in 10th RA Bill	62146.00			
	j) Already recovered in 11th RA Bill	61955.00			
	k) Already recovered in 12th RA Bill	62288.00			
	l) Already recovered in 13th RA Bill	61579.00			
	m) Already recovered in 14th RA Bill	61839.00			
	n) Already recovered in 15th RA Bill	62080.00			
	o) Already recovered in 16th RA Bill	54413.00			
	p) Already recovered in 17th RA Bill	60900.00			
	q) Already recovered in 18th RA Bill	60624.00			
	r) Already recovered in 19th RA Bill	75628.00			
	s) Already recovered in 20th RA Bill	-205332.00			
	t) To be recovered in this bill	Rs. 62,049.00			Rs. 62,049.00
(iv)	IT @ 2% on Total Workdone Amount	1795965.95			
	a) Already recovered in 1st RA Bill	99751.00			
	b) Already recovered in 2nd RA Bill	380499.00			
	c) Already recovered in 3rd RA Bill	287390.00			
	d) Already recovered in 4th RA Bill	48405.08			
	e) Already recovered in 5th RA Bill	-51216.33			
	f) Already recovered in 6th RA Bill	47590.16			
	g) Already recovered in 7th RA Bill	48696.15			
	h) Already recovered in 8th RA Bill	49633.00			
	i) Already recovered in 9th RA Bill	501083.00			
	j) Already recovered in 10th RA Bill	49717.00			
	k) Already recovered in 11th RA Bill	49564.00			
	l) Already recovered in 12th RA Bill	49830.00			
	m) Already recovered in 13th RA Bill	49263.00			
	n) Already recovered in 14th RA Bill	49471.00			
	o) Already recovered in 15th RA Bill	49664.00			
	p) Already recovered in 16th RA Bill	43531.00			
	q) Already recovered in 17th RA Bill	48720.00			
	r) Already recovered in 18th RA Bill	48499.00			
	s) Already recovered in 19th RA Bill	60502.00			
	t) Already recovered in 20th RA Bill	-164265.00			
	u) To be recovered in this bill	Rs. 49,639.00			Rs. 49,639.00

(v)	Labour Welfare Cess @ 1% on Total Workdone Amount	897982.97			
	a) Already recovered in 2nd RA Bill	190249.00			
	b) Already recovered in 3rd RA Bill	143695.00			
	c) Already recovered in 4th RA Bill	24203.02			
	d) Already recovered in 5th RA Bill	24267.35			
	e) Already recovered in 6th RA Bill	23795.09			
	f) Already recovered in 7th RA Bill	24348.07			
	g) Already recovered in 8th RA Bill	24816.00			
	h) Already recovered in 9th RA Bill	250542.00			
	i) Already recovered in 10th RA Bill	24859.00			
	j) Already recovered in 11th RA Bill	24782.00			
	k) Already recovered in 12th RA Bill	24915.00			
	l) Already recovered in 13th RA Bill	24631.00			
	m) Already recovered in 14th RA Bill	24736.00			
	n) Already recovered in 15th RA Bill	24832.00			
	o) Already recovered in 16th RA Bill	21765.00			
	p) Already recovered in 17th RA Bill	24360.00			
	q) Already recovered in 18th RA Bill	24250.00			
	r) Already recovered in 19th RA Bill	30251.00			
	s) Already recovered in 20th RA Bill	-82133.00			
	t) To be recovered in this bill	Rs. 24,819.00			Rs. 24,819.00
(vi)	UGST @ 1% on Total Workdone Amount	897982.97			
	a) Already recovered in 1st RA Bill	49875.50			
	b) Already recovered in 2nd RA Bill	190249.50			
	c) Already recovered in 3rd RA Bill	143695.00			
	d) Already recovered in 4th RA Bill	24202.52			
	e) Already recovered in 5th RA Bill	-25608.15			
	f) Already recovered in 6th RA Bill	23795.09			
	g) Already recovered in 7th RA Bill	24348.07			
	h) Already recovered in 8th RA Bill	24816.00			
	i) Already recovered in 9th RA Bill	250542.00			
	j) Already recovered in 10th RA Bill	24859.00			
	k) Already recovered in 11th RA Bill	24782.00			
	l) Already recovered in 12th RA Bill	24915.00			
	m) Already recovered in 13th RA Bill	24631.00			
	n) Already recovered in 14th RA Bill	24736.00			
	o) Already recovered in 15th RA Bill	24832.00			
	p) Already recovered in 16th RA Bill	21765.00			
	q) Already recovered in 17th RA Bill	24360.00			
	r) Already recovered in 18th RA Bill	24250.00			
	s) Already recovered in 19th RA Bill	30251.00			
	t) Already recovered in 20th RA Bill	-82133.00			
	u) To be recovered in this bill	Rs. 24,819.00			Rs. 24,819.00

(viii)	CGST @ 1% on Total Workdone Amount	897982.97			
	a) Already recovered in 1st RA Bill	49875.50			
	b) Already recovered in 2nd RA Bill	190249.50			
	c) Already recovered in 3rd RA Bill	143695.00			
	d) Already recovered in 4th RA Bill	24202.52			
	e) Already recovered in 5th RA Bill	-25608.15			
	f) Already recovered in 6th RA Bill	23795.09			
	g) Already recovered in 7th RA Bill	24348.07			
	h) Already recovered in 8th RA Bill	24816.00			
	i) Already recovered in 9th RA Bill	250542.00			
	j) Already recovered in 10th RA Bill	24859.00			
	k) Already recovered in 11th RA Bill	24782.00			
	l) Already recovered in 12th RA Bill	24915.00			
	m) Already recovered in 13th RA Bill	24631.00			
	n) Already recovered in 14th RA Bill	24736.00			
	o) Already recovered in 15th RA Bill	24832.00			
	p) Already recovered in 16th RA Bill	21765.00			
	q) Already recovered in 17th RA Bill	24360.00			
	r) Already recovered in 18th RA Bill	24250.00			
	s) Already recovered in 19th RA Bill	30251.00			
	t) Already recovered in 20th RA Bill	-82133.00			
	u) To be recovered in this bill	Rs. 24,819.00			
					Rs. 24,819.00
				Total Recovery (B)	Rs. 366,721.00
				Net Amount Payable in this Bill (A-B)	Rs. 2,115,206.00
				Says	Rs. 2,115,206.00

Net Amount in words:- (Rupees Twenty One Lakhs Fifteen Thousand Two Hundred Six Only)

Certified that:-

1. The work has been executed as per terms and conditions of the agreement.
2. No material and T & P has been issued from the Department.
3. Own arrangements for water has been made.
4. No Labour Complaints has been received.
5. Requisite technical staff has been employed as per agreement.
6. Up to date recoveries have been effected in this bill.
7. All Mandatory Test have been conducted.

Signature of the Contractor

Signature of the AE

Signature of the EE (Works)

Secured Advance against the materials brought at site

Name of Work:- Marine esplanade: Marina road restructuring with uniform carriage way, walking track, street lighting, street furniture, service core trenching and land scaping.

Agreement No :- 01 (PBSPL) of 2020-21

Agency :- M/s. Surendra Infrastructure (P) Ltd.

Serial no of this bill :- 21st R.A Bill

S.No	Sch Item No.	Description of Items	Quantity	Unit	Rate Allowed	Amount
1	1.09	Steel TMT Bars	174939.621	Kgs	49.50	8659511.240
					Total Amount	**8659511.24**
					Says	**8659511.00**

Junior Engineer-III (Works)
PBMC

THEORETICAL STATEMENT

Name of Work:- **Marine esplanade: Marina road restructuring with uniform carriage way, walking track, street lighting, street furniture, service core trenching and land scaping.**

Agreement No :- 01 (PBSPL) of 2020-21

Agency :- M/s. Surendra Infrastructure (P) Ltd.

Serial no of this bill :- 21st R.A Bill

S.No	Sch Item No.	Description of Items	Quantity	Unit	Coefficient	Quantity
1	1.04	**PCC 1:4:8**	443.277	Cum		
		Cement		Bags	3.410	1511.575
2	1.07	**M-25**	731.443	Cum		
		Cement		Bags	6.860	5017.699
3	1.08	**M-40**	2009.999	Cum		
		Cement		Bags	8.840	17768.391
4	1.1	**12 mm plaster 1:4**	2215.325	Sqm		
		Cement		Bags	0.1094	242.357
					Total	**24540.021**

Junior Engineer-III (Works)
PBMC

Ref. Page No: 1 to 20 of TMB

Authority: Agr. No: 01 (PBSPL) of 2020-2021

Work: Marina Esplanade: Marina Road restructuring with uniform carriage way, walking track street lighting, street furniture service core trenches and land scaping.

Agency: M/s. Surendra Infrastructure (P) Ltd.

Gross value of work done	→	9,14,77,759/-
Paid upto 20th RA Bill	→	8,91,76,408/-
21st Gross value	→	23,01,351/-
Material laying at site now Recovered	→	1,80,576/-

Ded:

(I) SD @ 2.5% on G/V → 22,86,944/-
Already ded upto 20th RA → 22,59,415/-
Now to be deducted in 21st RA Bill adjusting this excess recovery made upto 17th RA Bill → 27,529/-

(II) IT @ 2% on G/V → 18,29,555/-
Already ded upto 20th RA → 18,07,534/-
Now to be deducted in 21st RA Bill adjusting this excess recovery made upto 17th RA Bill → 22,021/-

C/O -

(iii) Ucess @ 1% on G/V → 914738/-
Already ded upto 20th RA → 903767/-
NOW to be ded in 21st RA
Bill adjusting this excess
recovery made upto 13th → 11011/-
RA Bill

(iv) TDS on WCT @ 2% on G/V → 1829555/-
Already ded upto 20th RA → 1807534/-
NOW to be ded in 21st RA
Bill adjusting this excess → 22021/-
recovery made upto 13th
RA Bill

Total deductions → 82582/-

Net Payable → 22,18,769/-

Proposed for Rs. 24,81,923/- (Rupees Twenty Four lakhs Eighty one thousand nine hundred twenty three only)

Executive Engineer-III (NHO)
Municipal Council
Port Blair

Payment release for Rs. 22,18,769/-

ACCOUNTS OFFICER-III
Municipal Council
Port Blair

Division:- Executive Engineer-III (SWM/MC), Port Blair Municipal Council, Port Blair

(22nd R.A BILL)

COMPUTERIZED MEASUREMENT BOOK

(DETAILS OF ABSTRACT)

CMB No:- 346/EE-III/SWM/MC/2021-22

Name of Work: - Marine esplanade: Marina road restructuring with uniform carriage way, walking track, street lighting, street furniture, service core trenching and land scaping.

Name of Contractor: - M/s. Surendra Infrastructure (P) Ltd.

Agreement No.: - 01 (PBSPL) of 2020-2021

Certified that this Computerized measurement book bearing no.346/EE-III/SWM/MC/2021-22 contains 19 leaves serially numbered from pages 01 to 19 and two blank pages without any damage.

Signature of
Contractor

Signature of
Assistant Engineer

Signature of
Executive Engineer

ABSTRACT OF COST

(22nd R.A Bill)

Name of Work:- Marine esplanade: Marina road restructuring with uniform carriage way, walking track, street lighting, street furniture, service core trenching and land scaping.

Agreement No. :- 01 (PBSPL) of 2020-2021

Name of Agency :- M/s. Surendra Infrastructure (P) Ltd.

Date of Commencement :- 07.12.2020

Date of Completion :- In Progress

Reference to previous measurement, if any :- NIL

Serial no. of this bill :- 22nd R.A Bill

CMB no. of this bill :- 346/EE-III/SWM/MC/2021-22

Date of Abstract :-

Item No.	Particulars	Quantity	Unit	Rate	Amount
1	**CIVIL WORKS**				
1.01	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m. a) All kinds of soil.				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.01 (2nd R.A Bill Qty)	17.617			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.01 (3rd R.A Bill Qty)	139.362			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.01 (4th R.A Bill Qty)	54.283			
	Qty b/f CMB No.267/EE-III/SWM/MC/2020-21 vide page no.01 (8th R.A Bill Qty)	69.113			
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.01 (9th R.A Bill Qty)	2902.781			
	Qty b/f CMB No.342/EE-III/SWM/MC/2021-22 vide page no.01 (20th R.A Bill Qty)	646.620			
	Total	**3829.776**	**Cum**	**Rs. 225.00**	**Rs. 861,699.60**
1.02	Excavation work by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m. Hard rock (blasting prohibited)				
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.01 (9th R.A Bill Qty)	242.226			
	Total	**242.226**	**Cum**	**Rs. 500.00**	**Rs. 121,113.00**

1.03	Filling with available pulverised sand				
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.01 (9th R.A Bill Qty)	144.052			
	Qty b/f CMB No.287/EE-III/SWM/MC/2021-22 vide page no.01 (11th R.A Bill Qty)	15.969			
	Qty b/f CMB No.342/EE-III/SWM/MC/2021-22 vide page no.02 (20th R.A Bill Qty)	56.785			
	Total	**216.806**	**Cum**	**Rs. 3,400.00**	**Rs. 737,140.40**
1.04	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:4:8 (1 Cement : 4 coarse sand (Zone III) : 8 graded stone aggregate 40 mm nominal size)				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.01 (2nd R.A Bill Qty)	11.242			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.02 (3rd R.A Bill Qty)	85.005			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.01 (4th R.A Bill Qty)	11.369			
	Qty b/f CMB No.235/EE-III/SWM/MC/2020-21 vide page no.01 (5th R.A Bill Qty)	8.928			
	Qty b/f CMB No.241/EE-III/SWM/MC/2020-21 vide page no.01 (6th R.A Bill Qty)	2.864			
	Qty b/f CMB No.243/EE-III/SWM/MC/2020-21 vide page no.01 (7th R.A Bill Qty)	13.392			
	Qty b/f CMB No.267/EE-III/SWM/MC/2020-21 vide page no.02 (8th R.A Bill Qty)	15.993			
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.02 (9th R.A Bill Qty)	194.516			
	Qty b/f CMB No.287/EE-III/SWM/MC/2021-22 vide page no.02 (11th R.A Bill Qty)	15.969			
	Qty b/f CMB No.308/EE-III/SWM/MC/2021-22 vide page no.06 (15th R.A Bill Qty)	4.464			
	Qty b/f CMB No.312/EE-III/SWM/MC/2021-22 vide page no.02 (16th R.A Bill Qty)	9.280			
	Qty b/f CMB No.316/EE-III/SWM/MC/2021-22 vide page no.02 (18th R.A Bill Qty)	4.464			
	Qty b/f CMB No.324/EE-III/SWM/MC/2021-22 vide page no.02 (19th R.A Bill Qty)	8.928			
	Qty b/f CMB No.342/EE-III/SWM/MC/2021-22 vide page no.04 (20th R.A Bill Qty)	56.863			
	Total	**443.277**	**Cum**	**Rs. 9,250.00**	**Rs. 4,100,312.25**

1.05	Providing and laying in position machine batched and machine mixed design mix M-25 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying but excluding the cost of centering, shuttering, finishing and reinforcement, including admixtures in recommended proportions as per IS: 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer-in-charge."(Note :- Cement content considered in this item is @ 330 kg/cum."Excess/ less cement used as per design mix is payable/recoverable separately). All works upto plinth level				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.01 (2nd R.A Bill Qty)	10.528			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.03 (3rd R.A Bill Qty)	320.952			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.02 (4th R.A Bill Qty)	59.176			
	Qty b/f CMB No.235/EE-III/SWM/MC/2020-21 vide page no.02 (5th R.A Bill Qty)	58.454			
	Qty b/f CMB No.241/EE-III/SWM/MC/2020-21 vide page no.02 (6th R.A Bill Qty)	16.382			
	Qty b/f CMB No.243/EE-III/SWM/MC/2020-21 vide page no.02 (7th R.A Bill Qty)	74.954			
	Qty b/f CMB No.267/EE-III/SWM/MC/2020-21 videpage no.02 (8th R.A Bill Qty)	81.964			
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.04 (9th R.A Bill Qty)	310.818			
	Qty b/f CMB No.302/EE-III/SWM/MC/2021-22 vide page no.02 (12th R.A Bill Qty)	11.773			
	Qty b/f CMB No.308/EE-III/SWM/MC/2021-22 vide page no.06 (15th R.A Bill Qty)	29.227			
	Qty b/f CMB No.312/EE-III/SWM/MC/2021-22 vide page no.03 (16th R.A Bill Qty)	60.496			
	Qty b/f CMB No.316/EE-III/SWM/MC/2021-22 vide page no.03 (18th R.A Bill Qty)	29.227			
	Qty b/f CMB No.324/EE-III/SWM/MC/2021-22 vide page no.03 (19th R.A Bill Qty)	58.454			
	Total	**1122.405**	**Cum**	**Rs. 11,000.00**	**Rs. 12,346,455.00**
1.06	Extra for laying RCC in or under water and/or liquid mud, including cost of pumping or bailing out water and removing slush etc., complete.				
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.03 (3rd R.A Bill Qty)	320.702			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.02 (4th R.A Bill Qty)	80.263			
	Qty b/f CMB No.235/EE-III/SWM/MC/2020-21 vide page no.2 (5th R.A Bill Qty)	89.103			
	Qty b/f CMB No.241/EE-III/SWM/MC/2020-21 vide page no.02 (6th R.A Bill Qty)	24.914			
	Qty b/f CMB No.243/EE-III/SWM/MC/2020-21 vide page no.02 (7th R.A Bill Qty)	110.070			
	Qty b/f CMB No.267/EE-III/SWM/MC/2020-21 vide page no.03 (8th R.A Bill Qty)	68.142			
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.04 (9th R.A Bill Qty)	466.494			
	Qty b/f CMB No.302/EE-III/SWM/MC/2021-22 vide page no.03 (12th R.A Bill Qty)	17.265			

	Qty b/f CMB No.308/EE-III/SWM/MC/2021-22 vide page no.08 (15th R.A Bill Qty)	44.553			
	Qty b/f CMB No.312/EE-III/SWM/MC/2021-22 vide page no.03 (16th R.A Bill Qty)	92.508			
	Qty b/f CMB No.316/EE-III/SWM/MC/2021-22 vide page no.03 (18th R.A Bill Qty)	44.553	156.000 × 650/- 40.800 × 650/-		101400.00 30420.00
	Qty b/f CMB No.324/EE-III/SWM/MC/2021-22 vide page no.03 (19th R.A Bill Qty)	89.106	1244.873 × 487/50		606875.59
	Total	**1447.673**	**Cum**	**Rs. 650.00**	**Rs. 940,987.45**
1.07	Providing and laying in position machine batched and machine mixed design mix M-25 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying but excluding the cost of centering, shuttering, finishing and reinforcement, including admixtures in recommended proportions as per IS: 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer-in-charge."(Note :- Cement contentconsidered in this item is @ 330 kg/cum."Excess/ less cement used as per design mix is payable/recoverable separately). All works above plinth level upto floor V level				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.02 (2nd R.A Bill Qty)	14.812			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.04 (3rd R.A Bill Qty)	222.185			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.03 (4th R.A Bill Qty)	52.226			
	Qty b/f CMB No.235/EE-III/SWM/MC/2020-21 vide page no.03 (5th R.A Bill Qty)	52.747			
	Qty b/f CMB No.241/EE-III/SWM/MC/2020-21 vide page no.03 (6th R.A Bill Qty)	93.837			
	Qty b/f CMB No.243/EE-III/SWM/MC/2020-21 vide page no.03 (7th R.A Bill Qty)	43.768			
	Qty b/f CMB No.267/EE-III/SWM/MC/2020-21 vide page no.03 (8th R.A Bill Qty)	45.130			
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.06 (9th R.A Bill Qty)	363.021			
	Qty b/f CMB No.285/EE-III/SWM/MC/2021-22 vide page no.04 (10th R.A Bill Qty)	45.949			
	Qty b/f CMB No.287/EE-III/SWM/MC/2021-22 vide page no.03 (11th R.A Bill Qty)	131.561			
	Qty b/f CMB No.302/EE-III/SWM/MC/2021-22 vide page no.04 (12th R.A Bill Qty)	111.481			
	Qty b/f CMB No.304/EE-III/SWM/MC/2021-22 vide page no.04 (13th R.A Bill Qty)	113.978			
	Qty b/f CMB No.308/EE-III/SWM/MC/2021-22 vide page no.08 (15th R.A Bill Qty)	22.565			
	Qty b/f CMB No.312/EE-III/SWM/MC/2021-22 vide page no.04 (16th R.A Bill Qty)	35.036			
	Qty b/f CMB No.316/EE-III/SWM/MC/2021-22 vide page no.04 (18th R.A Bill Qty)	76.963			
	Qty b/f CMB No.324/EE-III/SWM/MC/2021-22 vide page no.04 (19th R.A Bill Qty)	71.488			
	Qty b/f CMB No.344/EE-III/SWM/MC/2021-22 vide page no.04 (21st R.A Bill Qty)	122.290			
	Qty b/f CMB No.345/EE-III/SWM/MC/2021-22 vide page no.01 (22nd R.A Bill Qty)	4.860			
	Qty b/f CMB No.345/EE-III/SWM/MC/2021-22 vide page no.04 (22nd R.A Bill Qty)	5.760			
	Total	**1629.657**	**Cum**	**Rs. 11,400.00**	**Rs. 18,578,089.80**

	Providing M-25 grade concrete. (Note : Cement content considered as per Design Mix M25 - 343 kg/cbm approved.				
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.05 (3rd R.A Bill Qty)	2003.625			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.03 (4th R.A Bill Qty)	389.337			
	Qty b/f CMB No.267/EE-III/SWM/MC/2020-21 vide page no.04 (8th R.A Bill Qty)	520.130			
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.06 (9th R.A Bill Qty)	334.867			
	Qty b/f CMB No.285/EE-III/SWM/MC/2021-22 vide page no.04 (10th R.A Bill Qty)	194.038			
	Qty b/f CMB No.287/EE-III/SWM/MC/2021-22 vide page no.04 (11th R.A Bill Qty)	1710.293			
	Qty b/f CMB No.302/EE-III/SWM/MC/2021-22 vide page no.04 (12th R.A Bill Qty)	1210.950			
	Qty b/f CMB No.304/EE-III/SWM/MC/2021-22 vide page no.04 (13th R.A Bill Qty)	1481.714			
	Qty b/f CMB No.324/EE-III/SWM/MC/2021-22 vide page no.05 (19th R.A Bill Qty)	73.788			
	Qty b/f CMB No.344/EE-III/SWM/MC/2021-22 vide page no.05 (21st R.A Bill Qty)	1589.770			
	Extra for providing M-25 grade concrete. (Note : Cement content considered as per Design Mix M25 - 343 kg/cbm approved. (Qty - 10.620 Cum) Cement Qty = 10.620 x 343 = 3642.660 Kg = 10.620 x 330 = 3504.600 Kg Difference Qty = 138.060 Kg	138.060			
	Total	**9646.572**	**Kg**	**Rs. 10.00**	**Rs. 96,465.72**
1.08	Extra for providing richer mixes at all floor levels. Note: Excess/less cement over the specified cement content used is payable / recoverable separately. Providing M-40 grade concrete instead of M-25 grade BMC/RMC. (Note : Cement content considered in M-40 is @ 360 kg/cum)				
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.05 (3rd R.A Bill Qty)	414.336			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.03 (4th R.A Bill Qty)	81.453			
	Qty b/f CMB No.235/EE-III/SWM/MC/2020-21 vide page no.03 (5th R.A Bill Qty)	111.201			
	Qty b/f CMB No 241/EE-III/SWM/MC/2020-21 vide page no.04 (6th R.A Bill Qty)	110.218			
	Qty b/f CMB No.243/EE-III/SWM/MC/2020-21 vide page no.04 (7th R.A Bill Qty)	118.722			
	Qty b/f CMB No.267/EE-III/SWM/MC/2020-21 vide page no.04 (8th R.A Bill Qty)	75.381			
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.07 (9th R.A Bill Qty)	659.783			
	Qty b/f CMB No.285/EE-III/SWM/MC/2021-22 vide page no.04 (10th R.A Bill Qty)	31.023			
	Qty b/f CMB No.302/EE-III/SWM/MC/2021-22 vide page no.04 (12th R.A Bill Qty)	30.102			
	Qty b/f CMB No.308/EE-III/SWM/MC/2021-22 vide page no.10 (15th R.A Bill Qty)	51.792			
	Qty b/f CMB No.312/EE-III/SWM/MC/2021-22 vide page no.05 (16th R.A Bill Qty)	95.532			
	Qty b/f CMB No.316/EE-III/SWM/MC/2021-22 vide page no.05 (18th R.A Bill Qty)	106.190			
	Qty b/f CMB No.324/EE-III/SWM/MC/2021-22 vide page no.05 (19th R.A Bill Qty)	124.266			
	Total	**2009.999**	**Cum**	**Rs. 320.00**	**Rs. 643,199.68**

	Extra for providing richer mixes M-40 grade concrete. (Note : Cement content considered as per Design Mix M40 - 442 kg/cbm approved.				
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.05 (3rd R.A Bill Qty)	33975.552			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.03 (4th R.A Bill Qty)	6679.146			
	Qty b/f CMB No.235/EE-III/SWM/MC/2020-21 vide page no.03 (5th R.A Bill Qty)	9118.482			
	Qty b/f CMB No.241/EE-III/SWM/MC/2020-21 vide page no.05 (6th R.A Bill Qty)	9037.958			
	Qty b/f CMB No.243/EE-III/SWM/MC/2020-21 vide page no.04 (7th R.A Bill Qty)	9735.204			
	Qty b/f CMB No.267/EE-III/SWM/MC/2020-21 vide page no.04 (8th R.A Bill Qty)	6181.242			
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.08 (9th R.A Bill Qty)	54102.206			
	Qty b/f CMB No.285/EE-III/SWM/MC/2021-22 vide page no.05 (10th R.A Bill Qty)	2543.886			
	Qty b/f CMB No.302/EE-III/SWM/MC/2021-22 vide page no.05 (12th R.A Bill Qty)	2468.364			
	Qty b/f CMB No.308/EE-III/SWM/MC/2021-22 vide page no.05 (15th R.A Bill Qty)	4246.944			
	Qty b/f CMB No.312/EE-III/SWM/MC/2021-22 vide page no.06 (16th R.A Bill Qty)	7833.624			
	Qty b/f CMB No.316/EE-III/SWM/MC/2021-22 vide page no.06 (18th R.A Bill Qty)	8707.580			
	Qty b/f CMB No.324/EE-III/SWM/MC/2021-22 vide page no.06 (19th R.A Bill Qty)	10189.812			
	Total	**164820.000**	**Kg**	**Rs. 10.00**	**Rs. 1,648,200.00**
1.09	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level. A) Thermo-Mechanically Treated bars of grade Fe-500D or more.				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.02 (2nd R.A Bill Qty)	1051.813			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.05 (3rd R.A Bill Qty)	31310.281			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.04 (4th R.A Bill Qty)	6545.698			
	Qty b/f CMB No.235/EE-III/SWM/MC/2020-21 vide page no.04 (5th R.A Bill Qty)	8585.653			
	Qty b/f CMB No.241/EE-III/SWM/MC/2020-21 vide page no.06 (6th R.A Bill Qty)	8064.591			
	Qty b/f CMB No.243/EE-III/SWM/MC/2020-21 vide page no.04 (7th R.A Bill Qty)	7367.385			
	Qty b/f CMB No.267/EE-III/SWM/MC/2020-21 vide page no.05 (8th R.A Bill Qty)	4384.528			
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.10 (9th R.A Bill Qty)	43637.869			
	Qty b/f CMB No.285/EE-III/SWM/MC/2021-22 vide page no.05 (10th R.A Bill Qty)	6681.193			
	Qty b/f CMB No.287/EE-III/SWM/MC/2021-22 vide page no. (11th R.A Bill Qty)	8085.169			
	Qty b/f CMB No.302/EE-III/SWM/MC/2021-22 vide page no.06 (12th R.A Bill Qty)	9523.962			
	Qty b/f CMB No.304/EE-III/SWM/MC/2021-22 vide page no.06 (13th R.A Bill Qty)	6097.007			
	Qty b/f CMB No.308/EE-III/SWM/MC/2021-22 vide page no.03 (15th R.A Bill Qty)	3379.127			
	Qty b/f CMB No.312/EE-III/SWM/MC/2021-22 vide page no.07 (16th R.A Bill Qty)	7200.099			
	Qty b/f CMB No.316/EE-III/SWM/MC/2021-22 vide page no.07 (18th R.A Bill Qty)	9266.900			

	Qty b/f CMB No.324/EE-III/SWM/MC/2021-22 vide page no.07 (19th R.A Bill Qty)	5040.365			
	Qty b/f CMB No.342/EE-III/SWM/MC/2021-22 vide page no.06 (20th R.A Bill Qty)	5069.968			
	Qty b/f CMB No.344/EE-III/SWM/MC/2021-22 vide page no.07 (21st R.A Bill Qty)	3648.013			
	Qty b/f CMB No.345/EE-III/SWM/MC/2021-22 vide page no.03 (22nd R.A Bill Qty)	58.176			
	Total	**174997.797**	**Kg**	**Rs. 91.00**	**Rs. 15,924,799.53**
1.1	12 mm plaster 1:4				
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.10 (9th R.A Bill Qty)	1672.905			
	Qty b/f CMB No.308/EE-III/SWM/MC/2021-22 vide page no.10 (15th R.A Bill Qty)	264.920			
	Qty b/f CMB No.312/EE-III/SWM/MC/2021-22 vide page no.07 (16th R.A Bill Qty)	277.500			
		2215.325	**Sqm**	**Rs. 370.00**	**Rs. 819,670.25**
1.11	Centering and shuttering including strutting, propping etc. and removal of form work for : Foundations, footings, bases for columns				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.02 (2nd R.A Bill Qty)	50.400			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.07 (3rd R.A Bill Qty)	267.000			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.04 (4th R.A Bill Qty)	23.630			
	Qty b/f CMB No.235/EE-III/SWM/MC/2020-21 vide page no.04 (5th R.A Bill Qty)	26.800			
	Qty b/f CMB No.241/EE-III/SWM/MC/2020-21 vide page no.06 (6th R.A Bill Qty)	11.320			
	Qty b/f CMB No.243/EE-III/SWM/MC/2020-21 vide page no.05 (7th R.A Bill Qty)	40.200			
	Qty b/f CMB No.267/EE-III/SWM/MC/2020-21 vide page no.05 (8th R.A Bill Qty)	30.480			
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.11 (9th R.A Bill Qty)	149.200			
	Qty b/f CMB No.308/EE-III/SWM/MC/2021-22 vide page no.06 (15th R.A Bill Qty)	13.400			
	Qty b/f CMB No.312/EE-III/SWM/MC/2021-22 vide page no.07 (16th R.A Bill Qty)	32.160			
	Qty b/f CMB No.316/EE-III/SWM/MC/2021-22 vide page no.07 (18th R.A Bill Qty)	13.400			
	Qty b/f CMB No.324/EE-III/SWM/MC/2021-22 vide page no.07 (19th R.A Bill Qty)	26.800			
	Total	**684.790**	**Sqm**	**Rs. 340.00**	**Rs. 232,828.60**
1.12	Centering and shuttering including strutting, propping etc. and removal of form work for : Retaining walls, return walls, walls (any thickness) including attached pilasters, butteresses, plinth and string courses fillets, kerbs and steps etc.				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.02 (2nd R.A Bill Qty)	142.478			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.08 (3rd R.A Bill Qty)	1784.236			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.04 (4th R.A Bill Qty)	542.815			
	Qty b/f CMB No.235/EE-III/SWM/MC/2020-21 vide page no.05 (5th R.A Bill Qty)	234.276			
	Qty b/f CMB No.241/EE-III/SWM/MC/2020-21 vide page no.07 (6th R.A Bill Qty)	383.468			

	Qty b/f CMB No.243/EE-III/SWM/MC/2020-21 vide page no.05 (7th R.A Bill Qty)	197.338			
	Qty b/f CMB No.267/EE-III/SWM/MC/2020-21 vide page no.06 (8th R.A Bill Qty)	604.812			
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.13 (9th R.A Bill Qty)	1768.461			
	Qty b/f CMB No.285/EE-III/SWM/MC/2021-22 vide page no.07 (10th R.A Bill Qty)	200.384			
	Qty b/f CMB No.287/EE-III/SWM/MC/2021-22 vide page no.06 (11th R.A Bill Qty)	41.326			
	Qty b/f CMB No.302/EE-III/SWM/MC/2021-22 vide page no.07 (12th R.A Bill Qty)	224.470			
	Qty b/f CMB No.304/EE-III/SWM/MC/2021-22 vide page no.07 (13th R.A Bill Qty)	440.680			
	Qty b/f CMB No.308/EE-III/SWM/MC/2021-22 vide page no.07 (15th R.A Bill Qty)	101.159			
	Qty b/f CMB No.312/EE-III/SWM/MC/2021-22 vide page no.08 (16th R.A Bill Qty)	174.256			
	Qty b/f CMB No.316/EE-III/SWM/MC/2021-22 vide page no.08 (18th R.A Bill Qty)	326.227			
	Qty b/f CMB No.324/EE-III/SWM/MC/2021-22 vide page no.08 (19th R.A Bill Qty)	309.000			
	Qty b/f CMB No.342/EE-III/SWM/MC/2021-22 vide page no.08 (20th R.A Bill Qty)	26.410			
	Qty b/f CMB No.344/EE-III/SWM/MC/2021-22 vide page no.08 (21st R.A Bill Qty)	23.805			
	Qty b/f CMB No.345/EE-III/SWM/MC/2021-22 vide page no.01 (22nd R.A Bill Qty)	64.800			
	Qty b/f CMB No.345/EE-III/SWM/MC/2021-22 vide page no.03 (22nd R.A Bill Qty)	28.800			
	Total	**7619.201**	**Sqm**	**Rs. 570.00**	**Rs. 4,342,944.57**
1.13	Centering and shuttering including strutting, propping etc. and removal of form for all heights : Extra for shuttering in circular work (20% of respective centering and shutttering items)				
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.05 (4th R.A Bill Qty)	50.597			
	Qty b/f CMB No.235/EE-III/SWM/MC/2020-21 vide page no.05 (5th R.A Bill Qty)	37.948			
	Qty b/f CMB No.241/EE-III/SWM/MC/2020-21 vide page no.07 (6th R.A Bill Qty)	59.749			
	Qty b/f CMB No.243/EE-III/SWM/MC/2020-21 vide page no.05 (7th R.A Bill Qty)	12.649			
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.13 (9th R.A Bill Qty)	138.574			
	Qty b/f CMB No.285/EE-III/SWM/MC/2021-22 vide page no.07 (10th R.A Bill Qty)	37.948			
	Qty b/f CMB No.302/EE-III/SWM/MC/2021-22 vide page no.07 (12th R.A Bill Qty)	8.786			
	Qty b/f CMB No.316/EE-III/SWM/MC/2021-22 vide page no.08 (18th R.A Bill Qty)	53.534			
	Qty b/f CMB No.324/EE-III/SWM/MC/2021-22 vide page no.09 (19th R.A Bill Qty)	25.298			
	Total	**425.083**	**Sqm**	**Rs. 150.00**	**Rs. 63,762.45**

1.16	Providing and fixing FRP Pultruded hand rail with PU coating with 50x50x6mm post, top ergonomic hand rail 70x65x4mm mild omega shaped 80x4mm Toe/knee plate 80x3 mm with FRP Foot mount & SS 316 L fasterners Height 600mm AND FRP post at every 1.5 meter as per the direction of the engineer in charge.				
	Qty b/f CMB No.304/EE-III/SWM/MC/2021-22 vide page no.16 (13th R.A Bill Qty)	63.200			
	Qty b/f CMB No.306/EE-III/SWM/MC/2021-22 vide page no.07 (14th R.A Bill Qty)	90.000			
	Qty b/f CMB No.308/EE-III/SWM/MC/2021-22 vide page no.07 (15th R.A Bill Qty)	140.000			
	Qty b/f CMB No.314/EE-III/SWM/MC/2021-22 vide page no.07 (17th R.A Bill Qty)	580.000			
	Total	**293.200**	**meter**	**Rs. 5,600.00**	**Rs. 1,641,920.00**
		580.000	**meter**	**Rs. 4,200.00**	**Rs. 2,436,000.00**
1.17	Providing and laying factory made chamfered edge Cement Concrete paver blocks in foot path, park & lawns driveway or light & traffic parking etc. of required strength, thickness & size/shape, made by table vibratory method using PU mould, laid in required colour & pattern over 50 mm thick compacted bed of course sand, compacting and proper embedding/laying of inter locking paver blocks unto the sand bedding layer through vibratory compaction by using plate vibrator, filling the joints with sand and cutting of paver blocks as per required size and pattern, finishing and sweeping extra sand, all complete as per manufacturer's specifications & direction of Engineer-in-Charge. 80mm thick Cement concrete paver block of M-35 grade with approved colour, design & pattern.				
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.14 (9th R.A Bill Qty)	1898.814			
	Qty b/f CMB No.285/EE-III/SWM/MC/2021-22 vide page no.07 (10th R.A Bill Qty)	428.519			
	Qty b/f CMB No.306/EE-III/SWM/MC/2021-22 vide page no.07 (14th R.A Bill Qty)	856.330			
	Qty b/f CMB No.308/EE-III/SWM/MC/2021-22 vide page no.11 (15th R.A Bill Qty)	230.725			
	Qty b/f CMB No.312/EE-III/SWM/MC/2021-22 vide page no.09 (16th R.A Bill Qty)	130.800			
	Qty b/f CMB No.344/EE-III/SWM/MC/2021-22 vide page no.09 (21st R.A Bill Qty)	315.820			
	Total	**3861.008**	**Sqm**	**Rs. 2,300.00**	**Rs. 8,880,318.38**
1.19	Demolishing R.C.C. work manually/ by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge.				
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.14 (9th R.A Bill Qty)	28.211			
	Total	**28.211**	**Cum**	**Rs. 1,100.00**	**Rs. 31,032.10**

1.2	Demolishing cement concrete manually/ by mechanical means and disposal of material within 50 metres lead as per direction of Engineerin-charge. cum Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix)				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.03 (2nd R.A Bill Qty)	2.963			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.08 (3rd R.A Bill Qty)	65.457			
	Qty b/f CMB No.267/EE-III/SWM/MC/2020-21 vide page no.07 (8th R.A Bill Qty)	21.475			
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.14 (9th R.A Bill Qty)	43.554			
	Qty b/f CMB No.304/EE-III/SWM/MC/2021-22 vide page no.09 (13th R.A Bill Qty)	2.892			
	Total	**136.341**	**Cum**	**Rs. 1,100.00**	**Rs. 149,975.10**
	Substitute Item No.1				
1.36	Providing Victoria bench of standard size as per the direction of Engineer in charge.				
	Qty b/f CMB No.345/EE-III/SWM/MC/2021-22 vide page no.04 (22nd R.A Bill Qty)	80.000			
	Total	**80.000**	**Nos**	**Rs. 28,500.00**	**Rs. 2,280,000.00**
2	**ELECTRICAL WORKS**				
2.01	Supply of 8 Mtr. height decorative Chatsworth pole having cast iron decorative base and pipe dia of 165mm dia & 1 mtr long with cast iron reducer joining with 101mm OD straight pipe. Pole shall be mounted on square base plate. Decorative Cascade bracket with 940mm height mounted on pole. Pole and two brackets at differential height shall be galvanized and painted with PU paint in closed paint chamber with heating treatment in chamber, Make: Surya				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.03 (2nd R.A Bill Qty)	50.000			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.08 (3rd R.A Bill Qty)	15.000			
	Total	**65.000**	**Nos**	**Rs. 64,000.00**	**Rs. 4,160,000.00**
2.02	Supply of Decorative Luminaires for Urban lighting, body made of painted spun aluminum, The protector is made of polycarbonate grade UVresistant (IK 08), Permanently sealed optical compartment with IP66 protection. Luminaire offers tool free access to gear compartment with IP44 protection. Luminaire can be installed as a suspended luminaire. The luminaire is equipped with the LensoFlex2® technology photometric system. PMMA lenses with wide photometry for increased pole spacing. Fixture is having a surge protection of 10KA. Electronic driver is having power factor>0.90*, THD<20*% and input voltage range from 120-227V AC at 50Hz. Luminaire efficacy is 100 im/ watt system lumen greater than 7500 lumens in CCT range of 4000 as per ANSI. System life of 50000 burning hours with 70% of initial lumens maintained. Luminaire is suitable for operating temperature (Ta) from -20 to 50c. Driver can withstand 320V AC for 48 hours and 360V AC for 2 hours. Make: Surya SLE PT 75W VEGA				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.03 (2nd R.A Bill Qty)	50.000			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.09 (3rd R.A Bill Qty)	15.000			
	Total	**65.000**	**Nos**	**Rs. 40,000.00**	**Rs. 2,600,000.00**

2.03	Supply of Decorative Luminaires for Urban lighting, body made of painted spun aluminum. The protector is made of polycarbonate grade UVresistant (IK 08). Permanently sealed optical compartment with IP66 protection. Luminaire offers tool free access to gear compartment with IP44 protection. Luminaire can be installed as a suspended luminaire. The luminaire is equipped with the LensoFlex2® technology photometric system. PMMA lenses with wide photometry for increased pole spacing. Fixture is having a surge protection of 10KA. Electronic driver is having power factor>0.90*, THD<20*% and input voltage range from 120-227V AC at 50Hz. Luminaire efficacy is 100 lm/ watt system lumen greater than 7500 lumens in CCT range of 4000 as per ANSI. System life of 50000 burning hours with 70% of initial lumens maintained. Luminaire is suitable for operating temperature (Ta) from -20 to 50c. Driver can withstand 320V AC for 48				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.04 (2nd R.A Bill Qty)	50.000			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.09 (3rd R.A Bill Qty)	15.000			
	Total	**65.000**	**Nos**	**Rs. 33,500.00**	**Rs. 2,177,500.00**
2.04	Providing of XLPE (IS:7098) (I)-88 ISI armoured cable multistrand Aluminium conductor for 1.1 KV. to be laid on wall with necessary clamps or in existing trench/ pipe				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.04 (2nd R.A Bill Qty)	1500.000	1500.00 x 275/- 450.00 x 275/-	412500.00 123750.00	
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.09 (3rd R.A Bill Qty)	1500.000	1050.00 x 206.25	216562.50	
	Total	**3000.000**	**Mtr**	**Rs. 275.00**	**Rs. 825,000.00**
2.05	Supply of 50mm DWC pipes of approved make for covering of cable.				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.04 (2nd R.A Bill Qty)	1200.000	1200.00 x 230/- 360.00 x 230/-	276000.00 82800.00	
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.10 (3rd R.A Bill Qty)	1200.000	840.00 x 172.50	144900.00	
	Total	**2400.000**	**Mtr**	**Rs. 230.00**	**Rs. 552,000.00**
2.06	Supply of Flexible PVC insulated multistrand multicore 1.1 kv grade ISI marked copper wires of following size to be erected as directed 1.50 Sq.mm 3 core round PVC sheathed.				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.04 (2nd R.A Bill Qty)	700.000	700.00 x 255 210.00 x 255	178500.00 53550.00	
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.10 (3rd R.A Bill Qty)	700.000	490.00 x 191.25	93712.50	
	Total	**1400.000**	**Mtr**	**Rs. 255.00**	**Rs. 357,000.00**
3	**SUB HEAD : Installation, Testing and Commissioning of Streetlight System**				
3.01	Installation of 8 mtr Decorative Pole including excavation and constructing M-20/1:2:4 cement concrete foundation of size 45 x 45 x 120 cms. Deep as directed by Engineer-in-charge. ,				
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.17 (9th R.A Bill Qty)	15.000			
	Qty b/f CMB No.285/EE-III/SWM/MC/2021-22 vide page no.10 (10th R.A Bill Qty)	1.000			
	Total	**16.000**	**Nos**	**Rs. 5,550.00**	**Rs. 88,800.00**
3.02	Installation, Testing and Commissioning of 75/40 watt Decorative LED Luminaries.				
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.17 (9th R.A Bill Qty)	30.000			
	Total	**30.000**	**Nos**	**Rs. 700.00**	**Rs. 21,000.00**

3.03	Excavation and laying of DWC pipe at a 90 mm below the ground level/level below PCC in Jogging trek. Item includes refilling of the same trench.				
	Qty b/f CMB No.285/EE-III/SWM/MC/2021-22 vide page no.10 (10th R.A Bill Qty)	540.500			
	Qty b/f CMB No.302/EE-III/SWM/MC/2021-22 vide page no.10 (12th R.A Bill Qty)	80.650			
	Total	**621.150**	**Mtr**	**Rs. 325.00**	**Rs. 201,873.75**
3.04	Laying of 4x16 Sqmm Aluminium armoured cable in existing laid DWC pipe/on wall.				
	Qty b/f CMB No.285/EE-III/SWM/MC/2021-22 vide page no.10 (10th R.A Bill Qty)	500.460			
	Total	**500.460**	**Mtr**	**Rs. 60.00**	**Rs. 30,027.60**
3.05	Erecting of 3 core 1.5 sqmm copper flexible cable in pole from junction box to Luminaries				
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.17 (9th R.A Bill Qty)	300.000			
	Total	**300.000**	**Nos**	**Rs. 42.00**	**Rs. 12,600.00**
	EXTRA ITEM				
1.00	To provide structural design analysis with strucutal reinforcement details for construction of siutable wall section for the proposed construction of sea wall in front of Girls School along with the sea coast to a height of 3.00 mtrs suggesting appropriate section, designing of section and supply of detailed working drawings in CAD format 04 sets of CD and also vetted by any reconginised engineering college by Govt of India complete.				
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.17 (9th R.A Bill Qty)	1.000			
	Total	**1.000**	**Nos**	**Rs. 69,620.00**	**Rs. 69,620.00**
2.00	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including getting out and disposal of excavated earth lead upto 50 m and lift upto 1.5 m, as directed by Engineer-in-charge. All kinds of soil.				
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.17 (9th R.A Bill Qty)	4739.630			
	Qty b/f CMB No.342/EE-III/SWM/MC/2021-22 vide page no.12 (20th R.A Bill Qty)	1719.177			
	Qty b/f CMB No.345/EE-III/SWM/MC/2021-22 vide page no.02 (22nd R.A Bill Qty)	8.100			
	Total	**6466.907**	**Cum**	**Rs. 242.00**	**Rs. 1,564,991.49**
3.00	Carriage of Materials by mechanical transport including loading, unloading and stacking of earth for a lead of 05 kms.				
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.17 (9th R.A Bill Qty)	4739.630			
	Qty b/f CMB No.342/EE-III/SWM/MC/2021-22 vide page no.12 (20th R.A Bill Qty)	1719.177			
	Qty b/f CMB No.345/EE-III/SWM/MC/2021-22 vide page no.02 (22nd R.A Bill Qty)	8.100			
	Total	**6466.907**	**Cum**	**Rs. 228.23**	**Rs. 1,475,942.18**

4.00	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m.				
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.17 (9th R.A Bill Qty)	4667.865			
	Qty b/f CMB No.342/EE-III/SWM/MC/2021-22 vide page no.12 (20th R.A Bill Qty)	1676.967			
	Qty b/f CMB No.345/EE-III/SWM/MC/2021-22 vide page no.02 (22nd R.A Bill Qty)	8.100			
	Total	**6352.932**	**Cum**	**Rs. 197.00**	**Rs. 1,251,527.60**
				Total Workdone Amount	**Rs. 92,264,796.51**
	Secured Advance against the materials brought at site				
1.09	**Material Laying at site - Steel** TMT bars of size 8mm, 10mm, 12mm, 16mm and 20mm restricted to 90% of element cost	**216020.00**	**Kg**	**Rs. 49.50**	**Rs. 10,692,990.00**
				Total Gross Value	**Rs. 102,957,786.51**
				Paid in 2nd RA Bill	**Rs. 19,024,930.00**
				Paid in 3rd RA Bill	**Rs. 14,369,518.00**
				Paid in 4th RA Bill	**Rs. 2,420,254.00**
				Paid in 5th RA Bill	**Rs. 2,426,737.00**
				Paid in 6th RA Bill	**Rs. 2,379,507.00**
				Paid in 7th RA Bill	**Rs. 2,434,807.00**
				Paid in 8th RA Bill	**Rs. 2,481,634.00**
				Paid in 9th RA Bill	**Rs. 25,054,173.00**
				Paid in 10th RA Bill	**Rs. 2,485,858.00**
				Paid in 11th RA Bill	**Rs. 2,478,212.00**
				Paid in 12th RA Bill	**Rs. 2,491,524.00**
				Paid in 13th RA Bill	**Rs. 2,463,149.00**
				Paid in 14th RA Bill	**Rs. 2,473,556.00**
				Paid in 15th RA Bill	**Rs. 2,483,197.00**
				Paid in 16th RA Bill	**Rs. 2,176,539.00**
				Paid in 17th RA Bill	**Rs. 2,436,000.00**
				Paid in 18th RA Bill	**Rs. 2,424,952.00**
				Paid in 19th RA Bill	**Rs. 3,025,079.00**
				Paid in 20th RA Bill	**Rs. 2,479,734.00**
				Paid in 21st RA Bill	**Rs. 2,481,927.00**
				Gross Value of 22nd RA Bill	**Rs. 2,466,499.51**
				SAY	**Rs. 2,466,500.00**

	RECOVERY DETAILS				
				Gross Value (A)	Rs. 2,466,500.00
(i)	Schedule B Aggregates (-)				
	a) Already recovered in 3rd RA Bill	2845961.00			
	b) Already recovered in 4th RA Bill	1225808.00			
	c) Already recovered in 5th RA Bill	224120.00			
	d) Already recovered in 6th RA Bill	216190.00			
	e) Already recovered in 7th RA Bill	201532.00			
	f) Already recovered in 8th RA Bill	239032.00			
	g) Already recovered in 9th RA Bill	241859.00			
	h) Already recovered in 10th RA Bill	497420.00			
	i) Already recovered in 11th RA Bill	0.00			
	j) Already recovered in 12th RA Bill	0.00			
	k) Already recovered in 13th RA Bill	0.00			
	l) Already recovered in 14th RA Bill	0.00			
	m) Already recovered in 15th RA Bill	0.00			
	n) Already recovered in 16th RA Bill	0.00			
	o) Already recovered in 17th RA Bill	0.00			
	p) Already recovered in 18th RA Bill	0.00			
	q) Already recovered in 19th RA Bill	0.00			
	r) Already recovered in 20th RA Bill	0.00			
	s) Already recovered in 21st RA Bill	0.00			
	t) To be recovered in this bill	Rs. 0.00			Rs. 0.00
(ii)	Material Laying at site - Steel	8662391.00			
	a) Already recovered in 3rd RA Bill	1601924.00			
	b) Already recovered in 4th RA Bill	324012.00			
	c) Already recovered in 5th RA Bill	424990.00			
	d) Already recovered in 6th RA Bill	399197.00			
	e) Already recovered in 7th RA Bill	364686.00			
	f) Already recovered in 8th RA Bill	217034.00			
	g) Already recovered in 9th RA Bill	2160074.00			
	h) Already recovered in 10th RA Bill	330719.00			
	i) Already recovered in 11th RA Bill	400216.00			
	j) Already recovered in 12th RA Bill	471436.00			
	k) Already recovered in 13th RA Bill	301802.00			
	l) Already recovered in 14th RA Bill	0.00			
	m) Already recovered in 15th RA Bill	167267.00			
	n) Already recovered in 16th RA Bill	356405.00			
	o) Already recovered in 17th RA Bill	0.00			
	p) Already recovered in 18th RA Bill	458711.00			
	q) Already recovered in 19th RA Bill	249498.00			
	r) Already recovered in 20th RA Bill	250964.00			
	s) Already recovered in 21st RA Bill	180576.00			
	t) To be recovered in this bill	Rs. 2,880.00			Rs. 2,880.00

(iii)	Security deposit @ 2.5% on Total Workdone Amount	2306619.91			
	a) Already recovered in 2nd RA Bill	475623.00			
	b) Already recovered in 3rd RA Bill	359238.00			
	c) Already recovered in 4th RA Bill	60506.55			
	d) Already recovered in 5th RA Bill	60668.39			
	e) Already recovered in 6th RA Bill	59487.70			
	f) Already recovered in 7th RA Bill	60870.19			
	g) Already recovered in 8th RA Bill	62041.00			
	h) Already recovered in 9th RA Bill	626354.00			
	i) Already recovered in 10th RA Bill	62146.00			
	j) Already recovered in 11th RA Bill	61955.00			
	k) Already recovered in 12th RA Bill	62288.00			
	l) Already recovered in 13th RA Bill	61579.00			
	m) Already recovered in 14th RA Bill	61839.00			
	n) Already recovered in 15th RA Bill	62080.00			
	o) Already recovered in 16th RA Bill	54413.00			
	p) Already recovered in 17th RA Bill	60900.00			
	q) Already recovered in 18th RA Bill	60624.00			
	r) Already recovered in 19th RA Bill	75628.00			
	s) Already recovered in 20th RA Bill	-205332.00			
	t) Already recovered in 21st RA Bill	62049.00			
	u) To be recovered in this bill	Rs. 61,662.00			Rs. 61,662.00
(iv)	IT @ 2% on Total Workdone Amount	1845295.93			
	a) Already recovered in 1st RA Bill	99751.00			
	b) Already recovered in 2nd RA Bill	380499.00			
	c) Already recovered in 3rd RA Bill	287390.00			
	d) Already recovered in 4th RA Bill	48405.08			
	e) Already recovered in 5th RA Bill	-51216.33			
	f) Already recovered in 6th RA Bill	47590.16			
	g) Already recovered in 7th RA Bill	48696.15			
	h) Already recovered in 8th RA Bill	49633.00			
	i) Already recovered in 9th RA Bill	501083.00			
	j) Already recovered in 10th RA Bill	49717.00			
	k) Already recovered in 11th RA Bill	49564.00			
	l) Already recovered in 12th RA Bill	49830.00			
	m) Already recovered in 13th RA Bill	49263.00			
	n) Already recovered in 14th RA Bill	49471.00			
	o) Already recovered in 15th RA Bill	49664.00			
	p) Already recovered in 16th RA Bill	43531.00			
	q) Already recovered in 17th RA Bill	48720.00			
	r) Already recovered in 18th RA Bill	48499.00			
	s) Already recovered in 19th RA Bill	60502.00			
	t) Already recovered in 20th RA Bill	-164265.00			
	u) Already recovered in 21st RA Bill	49639.00			
	v) To be recovered in this bill	Rs. 49,330.00			Rs. 49,330.00

(v)	Labour Welfare Cess @ 1% on Total Workdone Amount	922647.97			
	a) Already recovered in 2nd RA Bill	190249.00			
	b) Already recovered in 3rd RA Bill	143695.00			
	c) Already recovered in 4th RA Bill	24203.02			
	d) Already recovered in 5th RA Bill	24267.35			
	e) Already recovered in 6th RA Bill	23795.09			
	f) Already recovered in 7th RA Bill	24348.07			
	g) Already recovered in 8th RA Bill	24816.00			
	h) Already recovered in 9th RA Bill	250542.00			
	i) Already recovered in 10th RA Bill	24859.00			
	j) Already recovered in 11th RA Bill	24782.00			
	k) Already recovered in 12th RA Bill	24915.00			
	l) Already recovered in 13th RA Bill	24631.00			
	m) Already recovered in 14th RA Bill	24736.00			
	n) Already recovered in 15th RA Bill	24832.00			
	o) Already recovered in 16th RA Bill	21765.00			
	p) Already recovered in 17th RA Bill	24360.00			
	q) Already recovered in 18th RA Bill	24250.00			
	r) Already recovered in 19th RA Bill	30251.00			
	s) Already recovered in 20th RA Bill	-82133.00			
	t) Already recovered in 21st RA Bill	24819.00			
	u) To be recovered in this bill	Rs. 24,665.00			Rs. 24,665.00
(vi)	UGST @ 1% on Total Workdone Amount	922647.97			
	a) Already recovered in 1st RA Bill	49875.50			
	b) Already recovered in 2nd RA Bill	190249.50			
	c) Already recovered in 3rd RA Bill	143695.00			
	d) Already recovered in 4th RA Bill	24202.52			
	e) Already recovered in 5th RA Bill	-25608.15			
	f) Already recovered in 6th RA Bill	23795.09			
	g) Already recovered in 7th RA Bill	24348.07			
	h) Already recovered in 8th RA Bill	24816.00			
	i) Already recovered in 9th RA Bill	250542.00			
	j) Already recovered in 10th RA Bill	24859.00			
	k) Already recovered in 11th RA Bill	24782.00			
	l) Already recovered in 12th RA Bill	24915.00			
	m) Already recovered in 13th RA Bill	24631.00			
	n) Already recovered in 14th RA Bill	24736.00			
	o) Already recovered in 15th RA Bill	24832.00			
	p) Already recovered in 16th RA Bill	21765.00			
	q) Already recovered in 17th RA Bill	24360.00			
	r) Already recovered in 18th RA Bill	24250.00			
	s) Already recovered in 19th RA Bill	30251.00			
	t) Already recovered in 20th RA Bill	-82133.00			
	u) Already recovered in 21st RA Bill	24819.00			
	v) To be recovered in this bill	Rs. 24,665.00			Rs. 24,665.00

(vii)	CGST @ 1% on Total Workdone Amount	922647.97			
	a) Already recovered in 1st RA Bill	49875.50			
	b) Already recovered in 2nd RA Bill	190249.50			
	c) Already recovered in 3rd RA Bill	143695.00			
	d) Already recovered in 4th RA Bill	24202.52			
	e) Already recovered in 5th RA Bill	-25608.15			
	f) Already recovered in 6th RA Bill	23795.09			
	g) Already recovered in 7th RA Bill	24348.07			
	h) Already recovered in 8th RA Bill	24816.00			
	i) Already recovered in 9th RA Bill	250542.00			
	j) Already recovered in 10th RA Bill	24859.00			
	k) Already recovered in 11th RA Bill	24782.00			
	l) Already recovered in 12th RA Bill	24915.00			
	m) Already recovered in 13th RA Bill	24631.00			
	n) Already recovered in 14th RA Bill	24736.00			
	o) Already recovered in 15th RA Bill	24832.00			
	p) Already recovered in 16th RA Bill	21765.00			
	q) Already recovered in 17th RA Bill	24360.00			
	r) Already recovered in 18th RA Bill	24250.00			
	s) Already recovered in 19th RA Bill	30251.00			
	t) Already recovered in 20th RA Bill	-82133.00			
	u) Already recovered in 21st RA Bill	24819.00			
	v) To be recovered in this bill	Rs. 24,665.00			Rs. 24,665.00
				Total Recovery (B)	**Rs. 187,867.00**
				Net Amount Payable in this Bill (A-B)	**Rs. 2,278,633.00**
				Says	**Rs. 2,278,633.00**

Net Amount in words:- (Rupees Twenty Two Lakhs Seventy Eight Thousand Six Hundred Thirty Three Only)

Certified that:-

1. The work has been executed as per terms and conditions of the agreement.
2. No material and T & P has been issued from the Department.
3. Own arrangements for water has been made.
4. No Labour Complaints has been received.
5. Requisite technical staff has been employed as per agreement.
6. Up to date recoveries have been effected in this bill.
7. All Mandatory Test have been conducted.

Signature of the Contractor

Signature of the AE

Signature of the EE (Works)

Secured Advance against the materials brought at site

Name of Work:- Marine esplanade: Marina road restructuring with uniform carriage way, walking track, street lighting, street furniture, service core trenching and land scaping.

Agreement No :- 01 (PBSPL) of 2020-21

Agency :- M/s. Surendra Infrastructure (P) Ltd.

Serial no of this bill :- 22nd R.A Bill

S.No	Sch Item No.	Description of Items	Quantity	Unit	Rate Allowed	Amount
1	1.09	Steel TMT Bars	174997.797	Kgs	49.50	8662390.952
					Total Amount	**8662390.95**
					Says	**8662391.00**

Junior Engineer-III (Works)
PBMC

THEORETICAL STATEMENT

Name of Work:- Marine esplanade: Marina road restructuring with uniform carriage way, walking track, street lighting, street furniture, service core trenching and land scaping.

Agreement No :- 01 (PBSPL) of 2020-21

Agency :- M/s. Surendra Infrastructure (P) Ltd.

Serial no of this bill :- 22nd R.A Bill

S.No	Sch Item No.	Description of Items	Quantity	Unit	Coefficient	Quantity
1	1.04	**PCC 1:4:8**	443.277	Cum		
		Cement		Bags	3.410	1511.575
2	1.07	**M-25**	742.063	Cum		
		Cement		Bags	6.860	5090.552
3	1.08	**M-40**	2009.999	Cum		
		Cement		Bags	8.840	17768.391
4	1.1	**12 mm plaster 1:4**	2215.325	Sqm		
		Cement		Bags	0.1094	242.357
					Total	**24612.874**

Junior Engineer-III (Works)
PBMC

Ref. Page No: 1819 of TCMB

Authority: Agr. No: 01 (PBSPL) of 2020-21

Work:- Marina Esplanade: Marina Road Restructuring with uniform c/way width, street lighting, street furniture, service cove, storm water drain laying.

Agency: M/s. Surendra Infrastructure (P) Ltd.

Gross value of work done	→	6394137 9/-
Paid upto 21st RA Bill	→	9147759/-
Gross value of 22nd RA Bill	→	246500/-
Material lying at site now recovered	→	2880/-

Ded:

(i) S/D @ 2.5% on G/V	→	2348535/-
Already ded. 21st RA	→	2286944/-
Now to be ded	→	61591/-
(ii) IT @ 2% on G/V	→	1878828/-
Already ded 21st RA	→	1829555/-
Now to be ded.	→	49273/-
(iii) Cess @ 1% on G/V	→	939414/-
Already ded 21st RA	→	914778/-
Now to be rec.	→	24636/-
(iv) TDS on WCT @ 2% G/V	→	1878828/-
Already ded 21st RA	→	1829555/-
Now to be rec.	→	49273/-
Total Deductions	→	184773/-

22nd RA Bill passed for Rs. 24,66,500/-
(Rupees Twenty four lakhs Sixty Six
thousand five hundred only)

Executive Engineer – III (WS)
Municipal Council
Port Blair

Payment advice for Rs. 22,78,847/-

ACCOUNTS OFFICER – III
Municipal Council
Port Blair

Division:- Executive Engineer-III (SWM/MC), Port Blair Municipal Council, Port Blair

(23rd R.A BILL)

COMPUTERIZED MEASUREMENT BOOK

(DETAILS OF ABSTRACT)

CMB No:- 348/EE-III/SWM/MC/2021-22

Name of Work: - Marine esplanade: Marina road restructuring with uniform carriage way, walking track, street lighting, street furniture, service core trenching and land scaping.

Name of Contractor: - M/s. Surendra Infrastructure (P) Ltd.

Agreement No.: - 01 (PBSPL) of 2020-2021

Certified that this Computerized measurement book bearing no.348/EE-III/SWM/MC/2021-22 contains **20** leaves serially numbered from pages 01 to 20 and two blank pages without any damage.

Signature of Contractor	Signature of Assistant Engineer	Signature of Executive Engineer

ABSTRACT OF COST

(23rd R.A Bill)

Name of Work:- Marine esplanade: Marina road restructuring with uniform carriage way, walking track, street lighting, street furniture, service core trenching and land scaping.

Agreement No. :- 01 (PBSPL) of 2020-2021

Name of Agency :- M/s. Surendra Infrastructure (P) Ltd.

Date of Commencement :- 07.12.2020

Date of Completion :- In Progress

Reference to previous measurement, if any :- NIL.

Serial no. of this bill :- 23rd R.A Bill

CMB no. of this bill :- 348/EE-III/SWM/MC/2021-22

Date of Abstract :-

Item No.	Particulars	Quantity	Unit	Rate	Amount
1	CIVIL WORKS				
1.01	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m. a) All kinds of soil.				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.01 (2nd R.A Bill Qty)	17.617			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.01 (3rd R.A Bill Qty)	139.362			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.01 (4th R.A Bill Qty)	54.283			
	Qty b/f CMB No.267/EE-III/SWM/MC/2020-21 vide page no.01 (8th R.A Bill Qty)	69.113			
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.01 (9th R.A Bill Qty)	2902.781			
	Qty b/f CMB No. /EE-III/SWM/MC/2021-22 vide page no.01 (20th R.A Bill Qty)	646.620			
	Total	3829.776	Cum	Rs. 225.00	Rs. 861,699.60
1.02	Excavation work by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m. Hard rock (blasting prohibited)				
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.01 (9th R.A Bill Qty)	242.226			
	Total	242.226	Cum	Rs. 500.00	Rs. 121,113.00
1.03	Filling with available pulverised sand				
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.01 (9th R.A Bill Qty)	144.052			
	Qty b/f CMB No.287/EE-III/SWM/MC/2021-22 vide page no.01 (11th R.A Bill Qty)	15.969			
	Qty b/f CMB No.342/EE-III/SWM/MC/2021-22 vide page no.02 (20th R.A Bill Qty)	56.785			
	Total	216.806	Cum	Rs. 3,400.00	Rs. 737,140.40

1.04	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:4:8 (1 Cement : 4 coarse sand (Zone III) : 8 graded stone aggregate 40 mm nominal size)				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.01 (2nd R.A Bill Qty)	11.242			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.02 (3rd R.A Bill Qty)	85.005			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.01 (4th R.A Bill Qty)	11.369			
	Qty b/f CMB No.235/EE-III/SWM/MC/2020-21 vide page no.01 (5th R.A Bill Qty)	8.928			
	Qty b/f CMB No.241/EE-III/SWM/MC/2020-21 vide page no.01 (6th R.A Bill Qty)	2.864			
	Qty b/f CMB No.243/EE-III/SWM/MC/2020-21 vide page no.01 (7th R.A Bill Qty)	13.392			
	Qty b/f CMB No.267/EE-III/SWM/MC/2020-21 vide page no.02 (8th R.A Bill Qty)	15.993			
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.02 (9th R.A Bill Qty)	194.516			
	Qty b/f CMB No.287/EE-III/SWM/MC/2021-22 vide page no.02 (11th R.A Bill Qty)	15.969			
	Qty b/f CMB No.308/EE-III/SWM/MC/2021-22 vide page no.06 (15th R.A Bill Qty)	4.464			
	Qty b/f CMB No.312/EE-III/SWM/MC/2021-22 vide page no.02 (16th R.A Bill Qty)	9.280			
	Qty b/f CMB No.316/EE-III/SWM/MC/2021-22 vide page no.02 (18th R.A Bill Qty)	4.464			
	Qty b/f CMB No.324/EE-III/SWM/MC/2021-22 vide page no.02 (19th R.A Bill Qty)	8.928			
	Qty b/f CMB No.342/EE-III/SWM/MC/2021-22 vide page no.01 (20th R.A Bill Qty)	56.863			
	Total	443.277	Cum	Rs. 9,250.00	Rs. 4,100,312.25
1.05	Providing and laying in position machine batched and machine mixed design mix M-25 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying but excluding the cost of centering, shuttering, finishing and reinforcement, including admixtures in recommended proportions as per IS: 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer-in charge."(Note :- Cement content considered in this item is @ 330 kg/cum."Excess/ less cement used as per design mix is payable/recoverable separately). All works upto plinth level				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.01 (2nd R.A Bill Qty)	10.528			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.03 (3rd R.A Bill Qty)	320.952			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.02 (4th R.A Bill Qty)	59.176			

	Qty b/f CMB No.235/EE-III/SWM/MC/2020-21 vide page no.02 (5th R.A Bill Qty)	58.454			
	Qty b/f CMB No.241/EE-III/SWM/MC/2020-21 vide page no.02 (6th R.A Bill Qty)	16.382			
	Qty b/f CMB No.243/EE-III/SWM/MC/2020-21 vide page no.02 (7th R.A Bill Qty)	74.954			
	Qty b/f CMB No.267/EE-III/SWM/MC/2020-21 videpage no.02 (8th R.A Bill Qty)	81.964			
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.04 (9th R.A Bill Qty)	310.818			
	Qty b/f CMB No.302/EE-III/SWM/MC/2021-22 vide page no.02 (12th R.A Bill Qty)	11.773			
	Qty b/f CMB No.308/EE-III/SWM/MC/2021-22 vide page no.06 (15th R.A Bill Qty)	29.227			
	Qty b/f CMB No.312/EE-III/SWM/MC/2021-22 vide page no.03 (16th R.A Bill Qty)	60.496			
	Qty b/f CMB No.316/EE-III/SWM/MC/2021-22 vide page no.03 (18th R.A Bill Qty)	29.227			
	Qty b/f CMB No.324/EE-III/SWM/MC/2021-22 vide page no.03 (19th R.A Bill Qty)	58.454			
	Total	1122.405	Cum	Rs. 11,000.00	Rs. 12,346,455.00
1.06	Extra for laying RCC in or under water and/or liquid mud, including cost of pumping or bailing out water and removing slush etc., complete.				
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.03 (3rd R.A Bill Qty)	320.702			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.02 (4th R.A Bill Qty)	80.263			
	Qty b/f CMB No.235/EE-III/SWM/MC/2020-21 vide page no.2 (5th R.A Bill Qty)	89.103			
	Qty b/f CMB No.241/EE-III/SWM/MC/2020-21 vide page no.02 (6th R.A Bill Qty)	24.914			
	Qty b/f CMB No.243/EE-III/SWM/MC/2020-21 vide page no.02 (7th R.A Bill Qty)	110.070			
	Qty b/f CMB No.267/EE-III/SWM/MC/2020-21 vide page no.03 (8th R.A Bill Qty)	68.142			
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.04 (9th R.A Bill Qty)	466.494			
	Qty b/f CMB No.302/EE-III/SWM/MC/2021-22 vide page no.03 (12th R.A Bill Qty)	17.265			
	Qty b/f CMB No.308/EE-III/SWM/MC/2021-22 vide page no.08 (15th R.A Bill Qty)	44.553			
	Qty b/f CMB No.312/EE-III/SWM/MC/2021-22 vide page no.03 (16th R.A Bill Qty)	92.508			
	Qty b/f CMB No.316/EE-III/SWM/MC/2021-22 vide page no.03 (18th R.A Bill Qty)	44.553	156.000 × 650 40.800 × 650		101400.00 30420.00
	Qty b/f CMB No.324/EE-III/SWM/MC/2021-22 vide page no.03 (19th R.A Bill Qty)	89.106	1244.873 × 487.50		606875.59
	Total	1447.673	Cum	Rs. 650.00	Rs. 940,987.45

1.07	Providing and laying in position machine batched and machine mixed design mix M-25 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying but excluding the cost of centering, shuttering, finishing and reinforcement, including admixtures in recommended proportions as per IS: 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer-in charge."(Note :- Cement contentconsidered in this item is @ 330 kg/cum."Excess/ less cement used as per design mix is payable/recoverable separately). All works above plinth level upto floor V level				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.02 (2nd R.A Bill Qty)	14.812			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.04 (3rd R.A Bill Qty)	222.185			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.03 (4th R.A Bill Qty)	52.226			
	Qty b/f CMB No.235/EE-III/SWM/MC/2020-21 vide page no.03 (5th R.A Bill Qty)	52.747			
	Qty b/f CMB No.241/EE-III/SWM/MC/2020-21 vide page no.03 (6th R.A Bill Qty)	93.837			
	Qty b/f CMB No.243/EE-III/SWM/MC/2020-21 vide page no.03 (7th R.A Bill Qty)	43.768			
	Qty b/f CMB No.267/EE-III/SWM/MC/2020-21 vide page no.03 (8th R.A Bill Qty)	45.130			
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.06 (9th R.A Bill Qty)	363.021			
	Qty b/f CMB No.285/EE-III/SWM/MC/2021-22 vide page no.04 (10th R.A Bill Qty)	45.949			
	Qty b/f CMB No.287/EE-III/SWM/MC/2021-22 vide page no.03 (11th R.A Bill Qty)	131.561			
	Qty b/f CMB No.302/EE-III/SWM/MC/2021-22 vide page no.04 (12th R.A Bill Qty)	111.481			
	Qty b/f CMB No.304/EE-III/SWM/MC/2021-22 vide page no.04 (13th R.A Bill Qty)	113.978			
	Qty b/f CMB No.308/EE-III/SWM/MC/2021-22 vide page no.08 (15th R.A Bill Qty)	22.565			
	Qty b/f CMB No.312/EE-III/SWM/MC/2021-22 vide page no.04 (16th R.A Bill Qty)	35.036			
	Qty b/f CMB No.316/EE-III/SWM/MC/2021-22 vide page no.04 (18th R.A Bill Qty)	76.963			
	Qty b/f CMB No.324/EE-III/SWM/MC/2021-22 vide page no.04 (19th R.A Bill Qty)	71.488			
	Qty b/f CMB No.344/EE-III/SWM/MC/2021-22 vide page no.04 (21st R.A Bill Qty)	122.290			
	Qty b/f CMB No.346/EE-III/SWM/MC/2021-22 vide page no.04 (22nd R.A Bill Qty)	10.620			
	Qty b/f CMB No.347/EE-III/SWM/MC/2021-22 vide page no.01 (23rd R.A Bill Qty)	7.560			
	Qty b/f CMB No.347/EE-III/SWM/MC/2021-22 vide page no.02 (23rd R.A Bill Qty)	9.314			
	Qty b/f CMB No.347/EE-III/SWM/MC/2021-22 vide page no.03 (23rd R.A Bill Qty)	0.189			
	Total	**1646.720**	**Cum**	**Rs. 11,400.00**	**Rs. 18,772,608.00**

	Providing M-25 grade concrete. (Note : Cement content considered as per Design Mix M25 - 343 kg/cbm approved.				
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.05 (3rd R.A Bill Qty)	2003.625			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.03 (4th R.A Bill Qty)	389.337			
	Qty b/f CMB No.267/EE-III/SWM/MC/2020-21 vide page no.04 (8th R.A Bill Qty)	520.130			
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.06 (9th R.A Bill Qty)	334.867			
	Qty b/f CMB No.285/EE-III/SWM/MC/2021-22 vide page no.04 (10th R.A Bill Qty)	194.038			
	Qty b/f CMB No.287/EE-III/SWM/MC/2021-22 vide page no.04 (11th R.A Bill Qty)	1710.293			
	Qty b/f CMB No.302/EE-III/SWM/MC/2021-22 vide page no.04 (12th R.A Bill Qty)	1210.950			
	Qty b/f CMB No.304/EE-III/SWM/MC/2021-22 vide page no.04 (13th R.A Bill Qty)	1481.714			
	Qty b/f CMB No.324/EE-III/SWM/MC/2021-22 vide page no.05 (19th R.A Bill Qty)	73.788			
	Qty b/f CMB No.344/EE-III/SWM/MC/2021-22 vide page no.05 (21st R.A Bill Qty)	1589.705			
	Qty b/f CMB No.346/EE-III/SWM/MC/2021-22 vide page no.05 (22nd R.A Bill Qty)	138.060			
	Extra for providing M-25 grade concrete. (Note : Cement content considered as per Design Mix M25 - 343 kg/cbm approved. (Qty - 17.063 Cum) Cement Qty = 17.063 x 343 = 5852.609 Kg = 17.063 x 330 = 5630.790 Kg Difference Qty = 221.819 Kg	221.819			
	Total	**9868.326**	**Kg**	**Rs. 10.00**	**Rs. 98,683.26**
1.08	Extra for providing richer mixes at all floor levels. Note:- Excess/less cement over the specified cement content used is payable / recoverable separately. Providing M-40 grade concrete instead of M-25 grade BMC/RMC. (Note : Cement content considered in M-40 is @ 360 kg/cum)				
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.05 (3rd R.A Bill Qty)	414.336			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.03 (4th R.A Bill Qty)	81.453			
	Qty b/f CMB No.235/EE-III/SWM/MC/2020-21 vide page no.03 (5th R.A Bill Qty)	111.201			
	Qty b/f CMB No.241/EE-III/SWM/MC/2020-21 vide page no.04 (6th R.A Bill Qty)	110.218			
	Qty b/f CMB No.243/EE-III/SWM/MC/2020-21 vide page no.04 (7th R.A Bill Qty)	118.722			
	Qty b/f CMB No.267/EE-III/SWM/MC/2020-21 vide page no.04 (8th R.A Bill Qty)	75.381			
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.07 (9th R.A Bill Qty)	659.783			
	Qty b/f CMB No.285/EE-III/SWM/MC/2021-22 vide page no.04 (10th R.A Bill Qty)	31.023			
	Qty b/f CMB No.302/EE-III/SWM/MC/2021-22 vide page no.04 (12th R.A Bill Qty)	30.102			
	Qty b/f CMB No.308/EE-III/SWM/MC/2021-22 vide page no.10 (15th R.A Bill Qty)	51.792			
	Qty b/f CMB No.312/EE-III/SWM/MC/2021-22 vide page no.05 (16th R.A Bill Qty)	95.532			

	Qty b/f CMB No.316/EE-III/SWM/MC/2021-22 vide page no.05 (18th R.A Bill Qty)	106.190			
	Qty b/f CMB No.324/EE-III/SWM/MC/2021-22 vide page no.05 (19th R.A Bill Qty)	124.266			
	Total	**2009.999**	**Cum**	**Rs. 320.00**	**Rs. 643,199.68**
	Extra for providing richer mixes M-40 grade concrete. (Note : Cement content considered as per Design Mix M40 - 442 kg/cbm approved.				
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.05 (3rd R.A Bill Qty)	33975.552			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.03 (4th R.A Bill Qty)	6679.146			
	Qty b/f CMB No.235/EE-III/SWM/MC/2020-21 vide page no.03 (5th R.A Bill Qty)	9118.482			
	Qty b/f CMB No.241/EE-III/SWM/MC/2020-21 vide page no.05 (6th R.A Bill Qty)	9037.958			
	Qty b/f CMB No.243/EE-III/SWM/MC/2020-21 vide page no.04 (7th R.A Bill Qty)	9735.204			
	Qty b/f CMB No.267/EE-III/SWM/MC/2020-21 vide page no.04 (8th R.A Bill Qty)	6181.242			
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.08 (9th R.A Bill Qty)	54102.206			
	Qty b/f CMB No.285/EE-III/SWM/MC/2021-22 vide page no.05 (10th R.A Bill Qty)	2543.886			
	Qty b/f CMB No.302/EE-III/SWM/MC/2021-22 vide page no.05 (12th R.A Bill Qty)	2468.364			
	Qty b/f CMB No.308/EE-III/SWM/MC/2021-22 vide page no.05 (15th R.A Bill Qty)	4246.944			
	Qty b/f CMB No.312/EE-III/SWM/MC/2021-22 vide page no.06 (16th R.A Bill Qty)	7833.624			
	Qty b/f CMB No.316/EE-III/SWM/MC/2021-22 vide page no.06 (18th R.A Bill Qty)	8707.580			
	Qty b/f CMB No.324/EE-III/SWM/MC/2021-22 vide page no.06 (19th R.A Bill Qty)	10189.812			
	Total	**164820.000**	**Kg**	**Rs. 10.00**	**Rs. 1,648,200.00**
1.09	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level. A) Thermo-Mechanically Treated bars of grade Fe-500D or more.				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.02 (2nd R.A Bill Qty)	1051.813			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.05 (3rd R.A Bill Qty)	31310.281			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.04 (4th R.A Bill Qty)	6545.698			
	Qty b/f CMB No.235/EE-III/SWM/MC/2020-21 vide page no.04 (5th R.A Bill Qty)	8585.653			
	Qty b/f CMB No.241/EE-III/SWM/MC/2020-21 vide page no.06 (6th R.A Bill Qty)	8064.591			
	Qty b/f CMB No.243/EE-III/SWM/MC/2020-21 vide page no.04 (7th R.A Bill Qty)	7367.385			
	Qty b/f CMB No.267/EE-III/SWM/MC/2020-21 vide page no.05 (8th R.A Bill Qty)	4384.528			
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.10 (9th R.A Bill Qty)	43637.869			
	Qty b/f CMB No.285/EE-III/SWM/MC/2021-22 vide page no.05 (10th R.A Bill Qty)	6681.193			

	Qty b/f CMB No.287/EE-III/SWM/MC/2021-22 vide page no. (11th R.A Bill Qty)	8085.169			
	Qty b/f CMB No.302/EE-III/SWM/MC/2021-22 vide page no.06 (12th R.A Bill Qty)	9523.962			
	Qty b/f CMB No.304/EE-III/SWM/MC/2021-22 vide page no.06 (13th R.A Bill Qty)	6097.007			
	Qty b/f CMB No.308/EE-III/SWM/MC/2021-22 vide page no.03 (15th R.A Bill Qty)	3379.127			
	Qty b/f CMB No.312/EE-III/SWM/MC/2021-22 vide page no.07 (16th R.A Bill Qty)	7200.099			
	Qty b/f CMB No.316/EE-III/SWM/MC/2021-22 vide page no.07 (18th R.A Bill Qty)	9266.900			
	Qty b/f CMB No.324/EE-III/SWM/MC/2021-22 vide page no.07 (19th R.A Bill Qty)	5040.365			
	Qty b/f CMB No.342/EE-III/SWM/MC/2021-22 vide page no.06 (20th R.A Bill Qty)	5069.968			
	Qty b/f CMB No.344/EE-III/SWM/MC/2021-22 vide page no.07 (21st R.A Bill Qty)	3648.013			
	Qty b/f CMB No.346/EE-III/SWM/MC/2021-22 vide page no.08 (22nd R.A Bill Qty)	58.176			
	Qty b/f CMB No.347/EE-III/SWM/MC/2021-22 vide page no.03 (23rd R.A Bill Qty)	25.236			
	Total	**175023.033**	**Kg**	**Rs. 91.00**	**Rs. 15,927,096.00**
1.1	12 mm plaster 1:4				
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.10 (9th R.A Bill Qty)	1672.905			
	Qty b/f CMB No.308/EE-III/SWM/MC/2021-22 vide page no.10 (15th R.A Bill Qty)	264.920			
	Qty b/f CMB No.312/EE-III/SWM/MC/2021-22 vide page no.07 (16th R.A Bill Qty)	277.500			
	Qty b/f CMB No.347/EE-III/SWM/MC/2021-22 vide page no.04 (23rd R.A Bill Qty)	166.500			
	Qty b/f CMB No.347/EE-III/SWM/MC/2021-22 vide page no.04 (23rd R.A Bill Qty)	130.425			
		2512.250	**Sqm**	**Rs. 370.00**	**Rs. 929,532.50**
1.11	Centering and shuttering including strutting, propping etc. and removal of form work for : Foundations, footings, bases for columns				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.02 (2nd R.A Bill Qty)	50.400			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.07 (3rd R.A Bill Qty)	267.000			
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.04 (4th R.A Bill Qty)	23.630			
	Qty b/f CMB No.235/EE-III/SWM/MC/2020-21 vide page no.04 (5th R.A Bill Qty)	26.800			
	Qty b/f CMB No.241/EE-III/SWM/MC/2020-21 vide page no.06 (6th R.A Bill Qty)	11.320			
	Qty b/f CMB No.243/EE-III/SWM/MC/2020-21 vide page no.05 (7th R.A Bill Qty)	40.200			
	Qty b/f CMB No.267/EE-III/SWM/MC/2020-21 vide page no.05 (8th R.A Bill Qty)	30.480			
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.11 (9th R.A Bill Qty)	149.200			
	Qty b/f CMB No.308/EE-III/SWM/MC/2021-22 vide page no.06 (15th R.A Bill Qty)	13.400			
	Qty b/f CMB No.312/EE-III/SWM/MC/2021-22 vide page no.07 (16th R.A Bill Qty)	32.160			
	Qty b/f CMB No.316/EE-III/SWM/MC/2021-22 vide page no.07 (18th R.A Bill Qty)	13.400			
	Qty b/f CMB No.324/EE-III/SWM/MC/2021-22 vide page no.07 (19th R.A Bill Qty)	26.800			
	Total	**684.790**	**Sqm**	**Rs. 340.00**	**Rs. 232,828.60**

1.12	Centering and shuttering including strutting, propping etc. and removal of form work for : Retaining walls, return walls, walls (any thickness) including attached pilasters, buttresses, plinth and string courses fillets, kerbs and steps etc.				
	Qty b/f CMB No 183/EE-III/SWM/MC/2020-21 vide page no.02 (2nd R.A Bill Qty)	112.478			
	Qty b/f CMB No 185/EE-III/SWM/MC/2020-21 vide page no.08 (3rd R.A Bill Qty)	1781.236			
	Qty b/f CMB No 233/EE-III/SWM/MC/2020-21 vide page no.04 (4th R.A Bill Qty)	542.815			
	Qty b/f CMB No 235/EE-III/SWM/MC/2020-21 vide page no.05 (5th R.A Bill Qty)	234.276			
	Qty b/f CMB No.241/EE-III/SWM/MC/2020-21 vide page no.07 (6th R.A Bill Qty)	383.468			
	Qty b/f CMB No.243/EE-III/SWM/MC/2020-21 vide page no.05 (7th R.A Bill Qty)	197.338			
	Qty b/f CMB No.267/EE-III/SWM/MC/2020-21 vide page no.06 (8th R.A Bill Qty)	604.812			
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.13 (9th R.A Bill Qty)	1768.461			
	Qty b/f CMB No.285/EE-III/SWM/MC/2021-22 vide page no.07 (10th R.A Bill Qty)	200.384			
	Qty b/f CMB No.287/EE-III/SWM/MC/2021-22 vide page no.06 (11th R.A Bill Qty)	41.326			
	Qty b/f CMB No.302/EE-III/SWM/MC/2021-22 vide page no.07 (12th R.A Bill Qty)	224.470			
	Qty b/f CMB No.301/EE-III/SWM/MC/2021-22 vide page no.07 (13th R.A Bill Qty)	440.680			
	Qty b/f CMB No.308/EE-III/SWM/MC/2021-22 vide page no.07 (15th R.A Bill Qty)	101.159			
	Qty b/f CMB No.312/EE-III/SWM/MC/2021-22 vide page no.08 (16th R.A Bill Qty)	174.256			
	Qty b/f CMB No.316/EE-III/SWM/MC/2021-22 vide page no.08 (18th R.A Bill Qty)	326.227			
	Qty b/f CMB No.324/EE-III/SWM/MC/2021-22 vide page no.08 (19th R.A Bill Qty)	309.000			
	Qty b/f CMB No.342/EE-III/SWM/MC/2021-22 vide page no.08 (20th R.A Bill Qty)	26.410			
	Qty b/f CMB No.344/EE-III/SWM/MC/2021-22 vide page no.08 (21st R.A Bill Qty)	23.805			
	Qty b/f CMB No.346/EE-III/SWM/MC/2021-22 vide page no.10 (22nd R.A Bill Qty)	93.600			
	Qty b/f CMB No.347/EE-III/SWM/MC/2021-22 vide page no.01 (23rd R.A Bill Qty)	100.800			
	Qty b/f CMB No.347/EE-III/SWM/MC/2021-22 vide page no.02 (23rd R.A Bill Qty)	124.180			
	Qty b/f CMB No.347/EE-III/SWM/MC/2021-22 vide page no.03 (23rd R.A Bill Qty)	2.520			
	Total	**7846.701**	**Sqm**	**Rs. 570.00**	**Rs. 4,472,619.57**
1.13	Centering and shuttering including strutting, propping etc. and removal of form for all heights : Extra for shuttering in circular work (20% of respective centering and shuttering items)				
	Qty b/f CMB No.233/EE-III/SWM/MC/2020-21 vide page no.05 (4th R.A Bill Qty)	50.597			
	Qty b/f CMB No.235/EE-III/SWM/MC/2020-21 vide page no.05 (5th R.A Bill Qty)	37.948			
	Qty b/f CMB No.241/EE-III/SWM/MC/2020-21 vide page no.07 (6th R.A Bill Qty)	59.749			

	Qty b/f CMB No.243/EE-III/SWM/MC/2020-21 vide page no.05 (7th R.A Bill Qty)	12.649			
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.13 (9th R.A Bill Qty)	138.574			
	Qty b/f CMB No.285/EE-III/SWM/MC/2021-22 vide page no.07 (10th R.A Bill Qty)	37.948			
	Qty b/f CMB No.302/EE-III/SWM/MC/2021-22 vide page no.07 (12th R.A Bill Qty)	8.786			
	Qty b/f CMB No.316/EE-III/SWM/MC/2021-22 vide page no.08 (18th R.A Bill Qty)	53.534			
	Qty b/f CMB No.324/EE-III/SWM/MC/2021-22 vide page no.09 (19th R.A Bill Qty)	25.298			
	Total	**425.083**	**Sqm**	**Rs. 150.00**	**Rs. 63,762.45**
1.16	Providing and fixing FRP Pultruded hand rail with PU coating with 50x50x6mm post. top ergonomic hand rail 70x65x4mm mild omega shaped 80x4mm Toe/knee plate 80x3 mm with FRP Foot mount & SS 316 L fasterners Height 600mm AND FRP post at every 1.5 meter as per the direction of the engineer in charge.				
	Qty b/f CMB No.304/EE-III/SWM/MC/2021-22 vide page no.16 (13th R.A Bill Qty)	63.200			
	Qty b/f CMB No.306/EE-III/SWM/MC/2021-22 vide page no.07 (14th R.A Bill Qty)	90.000			
	Qty b/f CMB No.308/EE-III/SWM/MC/2021-22 vide page no.07 (15th R.A Bill Qty)	140.000			
	Qty b/f CMB No.314/EE-III/SWM/MC/2021-22 vide page no.07 (17th R.A Bill Qty)	580.000			
	Qty b/f CMB No.347/EE-III/SWM/MC/2021-22 vide page no.04 (23rd R.A Bill Qty)	40.000			
	Total	**333.200**	**meter**	**Rs. 5,600.00**	**Rs. 1,865,920.00**
		580.000	**meter**	**Rs. 4,200.00**	**Rs. 2,436,000.00**
1.17	Providing and laying factory made chamfered edge Cement Concrete paver blocks in foot path. park & lawns driveway or light & traffic parking etc. of required strength. thickness & size/shape. made by table vibratory method using PU mould. laid in required colour & pattern over 50 mm thick compacted bed of course sand. compacting and proper embedding/laying of inter locking paver blocks unto the sand bedding layer through vibratory compaction by using plate vibrator. filling the joints with sand and cutting of paver blocks as per required size and pattern. finishing and sweeping extra sand. all complete as per manufacturer's specifications & direction of Engineer-in-Charge. 80mm thick Cement concrete paver block of M-35 grade with approved colour. design & pattern.				
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.14 (9th R.A Bill Qty)	1898.814			
	Qty b/f CMB No.285/EE-III/SWM/MC/2021-22 vide page no.07 (10th R.A Bill Qty)	428.519			
	Qty b/f CMB No.306/EE-III/SWM/MC/2021-22 vide page no.07 (14th R.A Bill Qty)	856.330			

	Qty b/f CMB No.308/EE-III/SWM/MC/2021-22 vide page no.11 (15th R.A Bill Qty)	230.725			
	Qty b/f CMB No.312/EE-III/SWM/MC/2021-22 vide page no.09 (16th R.A Bill Qty)	130.800			
	Qty b/f CMB No.344/EE-III/SWM/MC/2021-22 vide page no.09 (21st R.A Bill Qty)	315.820			
	Qty b/f CMB No.347/EE-III/SWM/MC/2021-22 vide page no.05 (23rd R.A Bill Qty)	324.160			
	Total	**4185.168**	**Sqm**	**Rs. 2,300.00**	**Rs. 9,625,886.38**
1.19	Demolishing R.C.C. work manually/ by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge.				
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.14 (9th R.A Bill Qty)	28.211			
	Total	**28.211**	**Cum**	**Rs. 1,100.00**	**Rs. 31,032.10**
1.2	Demolishing cement concrete manually/ by mechanical means and disposal of material within 50 metres lead as per direction of Engineerin-charge. cum Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix)				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.03 (2nd R.A Bill Qty)	2.963			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.08 (3rd R.A Bill Qty)	65.457			
	Qty b/f CMB No.267/EE-III/SWM/MC/2020-21 vide page no.07 (8th R.A Bill Qty)	21.475			
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.14 (9th R.A Bill Qty)	43.554			
	Qty b/f CMB No.304/EE-III/SWM/MC/2021-22 vide page no.09 (13th R.A Bill Qty)	2.892			
	Total	**136.341**	**Cum**	**Rs. 1,100.00**	**Rs. 149,975.10**
	Substitute Item No.1				
1.36	Providing Victoria bench of standard size as per the direction of Engineer in charge.				
	Qty b/f CMB No.346/EE-III/SWM/MC/2021-22 vide page no.10 (22nd R.A Bill Qty)	80.000			
	Total	**80.000**	**Nos**	**Rs. 28,500.00**	**Rs. 2,280,000.00**
2	**ELECTRICAL WORKS**				
2.01	Supply of 8 Mtr. height decorative Chatsworth pole having cast iron decorative base and pipe dia of 165mm dia & 1 mtr long with cast iron reducer joining with 101mm OD straight pipe. Pole shall be mounted on square base plate. Decorative Cascade bracket with 940mm height mounted on pole. Pole and two brackets at differential height shall be galvanized and painted with PU paint in closed paint chamber with heating treatment in chamber, Make: Surya				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.03 (2nd R.A Bill Qty)	50.000			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.08 (3rd R.A Bill Qty)	15.000			
	Total	**65.000**	**Nos**	**Rs. 64,000.00**	**Rs. 4,160,000.00**

2.02	Supply of Decorative Luminaires for Urban lighting, body made of painted spun aluminum. The protector is made of polycarbonate grade UVresistant (IK 08). Permanently sealed optical compartment with IP66 protection. Luminaire offers tool free access to gear compartment with IP44 protection. Luminaire can be installed as a suspended luminaire. The luminaire is equipped with the LensoFlex2® technology photometric system. PMMA lenses with wide photometry for increased pole spacing. Fixture is having a surge protection of 10KA. Electronic driver is having power factor>0.90*, THD<20*% and input voltage range from 120-227V AC at 50Hz. Luminaire efficacy is 100 im/ watt system lumen greater than 7500 of 50000 burning hours with 70% of initial lumens maintained. Luminaire is suitable for operating temperature (Ta) from -20 to 50c. Driver can withstand 320V AC for 48 hours and 360V AC for 2 hours. Make: Surya SLE PT 75W VEGA				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.03 (2nd R.A Bill Qty)	50.000			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.09 (3rd R.A Bill Qty)	15.000			
	Total	**65.000**	**Nos**	**Rs. 40,000.00**	**Rs. 2,600,000.00**
2.03	Supply of Decorative Luminaires for Urban lighting, body made of painted spun aluminum. The protector is made of polycarbonate grade UVresistant (IK 08). Permanently sealed optical compartment with IP66 protection. Luminaire offers tool free access to gear compartment with IP44 protection. Luminaire can be installed as a suspended luminaire. The luminaire is equipped with the LensoFlex2® technology photometric system. PMMA lenses with wide photometry for increased pole spacing. Fixture is having a surge protection of 10KA. Electronic driver is having power factor>0.90*, THD<20*% and input voltage range from 120-227V AC at 50Hz. Luminaire efficacy is 100 im/ watt system lumen greater than 7500 lumens in CCT range of 4000 as per ANSI. System life of 50000 burning hours with 70% of initial lumens maintained. Luminaire is suitable for operating temperature (Ta) from -20 to 50c. Driver can withstand				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.04 (2nd R.A Bill Qty)	50.000			
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.09 (3rd R.A Bill Qty)	15.000			
	Total	**65.000**	**Nos**	**Rs. 33,500.00**	**Rs. 2,177,500.00**
2.04	Providing of XLPE (IS:7098) (I)-88 ISI armoured cable multistrand Aluminium conductor for 1.1 KV. to be laid on wall with necessary clamps or in existing				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.04 (2nd R.A Bill Qty)	1500.000	1500.00 x 275/- 450.00 x 275/-	412500.00 123750.00	
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.09 (3rd R.A Bill Qty)	1500.000	1050.00 x 206.25	216562.50	
	Total	**3000.000**	**Mtr**	**Rs. 275.00**	**Rs. 825,000.00**
2.05	Supply of 50mm DWC pipes of approved make for covering of cable.				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.04 (2nd R.A Bill Qty)	1200.000	1200.00 x 230 360.00 x 230	276000.00 82800.00	
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.10 (3rd R.A Bill Qty)	1200.000	840.00 x 172.50	144900.00	
	Total	**2400.000**	**Mtr**	**Rs. 230.00**	**Rs. 552,000.00**

2.06	Supply of Flexible PVC insulated multistrand multicore 1.1 kv grade ISI marked copper wires of following size to be erected as directed 1.50 Sq.mm 3 core round PVC sheathed.				
	Qty b/f CMB No.183/EE-III/SWM/MC/2020-21 vide page no.04 (2nd R.A Bill Qty)	700.000	700.00 x 255/-		178500.00
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.10 (3rd R.A Bill Qty)	700.000	210.00 x 255/-		53550.00
			490.00 x 191/25		93712.50
	Total	**1400.000**	**Mtr**	**Rs. 255.00**	**Rs. 357,000.00**
2.07	Supply of Street light Timer Panel box of size H: 750mm x L: 600mm x D: 300mm of following specification: (a) fabricated from 16 G.M.S. sheet, dust & vermin proof having hinged double door, lock & key with rubber gasket and necessary Items (b) Power 3 Pole 70A, 415/ 220V, Complete contactor - 1 nos. (c) Astronomical Time switch - 1 nos. (d) 4 Pole C 10KA 63A ELCB+MCB- 1 nos. (e) 1 Pole C 10KA 6 to 32A MCB switch - 6 nos. (f) LED R.Y.B. indicator Supply side - 3 nos. (g) 40A 4 way heavy duty connector - 2 nos. (h) 1 Phase energy meter space (i) All internal complete wiring box (All materials make: L&T, BCH, T.C., Siemens, C&S.schnider) Item includes necessary stand and foundation work as directed by Engineer-In-charge				
	Qty b/f CMB No. /EE-III/SWM/MC/2021-22 vide page no.06 (23rd R.A Bill Qty)	2.000			
	Total	**2.000**	**Nos**	**Rs. 285,000.00**	**Rs. 570,000.00**
3	**SUB HEAD : Installation, Testing and Commissioning of Streetlight System**				
3.01	Installation of 8 mtr Decorative Pole including excavation and constructing M-20/1:2:4 cement concrete foundation of size 45 x 45 x 120 cms. Deep as directed by Engineer-in-charge.				
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.17 (9th R.A Bill Qty)	15.000			
	Qty b/f CMB No.285/EE-III/SWM/MC/2021-22 vide page no.10 (10th R.A Bill Qty)	1.000			
	Qty b/f CMB No.347/EE-III/SWM/MC/2021-22 vide page no.05 (23rd R.A Bill Qty)	11.000			
		27.000	**Nos**	**Rs. 5,550.00**	**Rs. 149,850.00**
3.02	Installation, Testing and Commissioning of 75/40 watt Decorative LED Luminaries.				
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.17 (9th R.A Bill Qty)	30.000			
	Qty b/f CMB No.347/EE-III/SWM/MC/2021-22 vide page no.05 (23rd R.A Bill Qty)	24.000			
	Total	**54.000**	**Nos**	**Rs. 700.00**	**Rs. 37,800.00**
3.03	Excavation and laying of DWC pipe at a 90 mm below the ground level/level below PCC in Jogging trek. Item includes refilling of the same trench.				
	Qty b/f CMB No.285/EE-III/SWM/MC/2021-22 vide page no.10 (10th R.A Bill Qty)	540.500			
	Qty b/f CMB No.302/EE-III/SWM/MC/2021-22 vide page no.10 (12th R.A Bill Qty)	80.650			
	Qty b/f CMB No.347/EE-III/SWM/MC/2021-22 vide page no.06 (23rd R.A Bill Qty)	536.730			
	Total	**1157.880**	**Mtr**	**Rs. 325.00**	**Rs. 376,311.00**

3.04	Laying of 4x16 Sqmm Aluminium armoured cable in existing laid DWC pipe/on wall.				
	Qty b/f CMB No.285/EE-III/SWM/MC/2021-22 vide page no.10 (10th R.A Bill Qty)	500.460			
	Total	**500.460**	**Mtr**	**Rs. 60.00**	**Rs. 30,027.60**
3.05	Erecting of 3 core 1.5 sqmm copper flexible cable in pole from junction box to Luminaries				
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.17 (9th R.A Bill Qty)	300.000			
	Qty b/f CMB No.347/EE-III/SWM/MC/2021-22 vide page no.06 (23rd R.A Bill Qty)	240.000			
	Total	**540.000**	**Nos**	**Rs. 42.00**	**Rs. 22,680.00**
3.06	Providing and erecting Pipe type earting with 50mm dia GI pipe of 1500mm long. Item includes excavation and refilling necessary charcoal, salt and GI strip for connecting earthing and pole.				
	Qty b/f CMB No.347/EE-III/SWM/MC/2021-22 vide page no.06 (23rd R.A Bill Qty)	27.000			
	Total	**27.000**	**Nos**	**Rs. 9,000.00**	**Rs. 243,000.00**
	EXTRA ITEM				
1.00	To provide structural design analysis with structal reinforcement details for construction of sintable wall section for the proposed construction of sea wall in front of Girls School along with the sea coast to a height of 3.00 mtrs suggesting appropriate section, designing of section and supply of detailed working drawings in CAD format 04 sets of CD and also vetted by any reconginised engineering college by Govt of India complete.				
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.17 (9th R.A Bill Qty)	1.000			
	Total	**1.000**	**Nos**	**Rs. 69,620.00**	**Rs. 69,620.00**
2.00	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including getting out and disposal of excavated earth lead upto 50 m and lift upto 1.5 m, as directed by Engineer-in-charge. All kinds of soil.				
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.17 (9th R.A Bill Qty)	4739.630			
	Qty b/f CMB No.342/EE-III/SWM/MC/2021-22 vide page no.12 (20th R.A Bill Qty)	1719.177			
	Qty b/f CMB No.342/EE-III/SWM/MC/2021-22 vide page no.02 (22nd R.A Bill Qty)	8.100			
	Total	**6466.907**	**Cum**	**Rs. 242.00**	**Rs. 1,564,991.49**
3.00	Carriage of Materials by mechanical transport including loading, unloading and stacking of earth for a lead of 05 kms.				
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.17 (9th R.A Bill Qty)	4739.630			
	Qty b/f CMB No.342/EE-III/SWM/MC/2021-22 vide page no.12 (20th R.A Bill Qty)	1719.177			
	Qty b/f CMB No.342/EE-III/SWM/MC/2021-22 vide page no.02 (22nd R.A Bill Qty)	8.100			
	Total	**6466.907**	**Cum**	**Rs. 228.23**	**Rs. 1,475,942.18**

4.00	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m.				
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.17 (9th R.A Bill Qty)	4667.865			
	Qty b/f CMB No.342/EE-III/SWM/MC/2021-22 vide page no.12 (20th R.A Bill Qty)	1676.967			
	Qty b/f CMB No.342/EE-III/SWM/MC/2021-22 vide page no.02 (22nd R.A Bill Qty)	8.100			
	Total	6352.932	**Cum**	**Rs. 197.00**	**Rs. 1,251,527.60**
				Total Workdone Amount	**Rs. 94,748,301.22**
	Secured Advance against the materials brought at site				
1.09	**Material Laying at site - Steel** TMT bars of size 8mm, 10mm, 12mm, 16mm and 20mm restricted to 90% of element cost	216020.00	**Kg**	**Rs. 49.50**	**Rs. 10,692,990.00**
				Total Gross Value	**Rs. 105,441,291.22**
				Paid in 2nd RA Bill	**Rs. 19,024,930.00**
				Paid in 3rd RA Bill	**Rs. 14,369,518.00**
				Paid in 4th RA Bill	**Rs. 2,420,254.00**
				Paid in 5th RA Bill	**Rs. 2,426,737.00**
				Paid in 6th RA Bill	**Rs. 2,379,507.00**
				Paid in 7th RA Bill	**Rs. 2,434,807.00**
				Paid in 8th RA Bill	**Rs. 2,481,634.00**
				Paid in 9th RA Bill	**Rs. 25,054,173.00**
				Paid in 10th RA Bill	**Rs. 2,485,858.00**
				Paid in 11th RA Bill	**Rs. 2,478,212.00**
				Paid in 12th RA Bill	**Rs. 2,491,524.00**
				Paid in 13th RA Bill	**Rs. 2,463,149.00**
				Paid in 14th RA Bill	**Rs. 2,473,556.00**
				Paid in 15th RA Bill	**Rs. 2,483,197.00**
				Paid in 16th RA Bill	**Rs. 2,176,539.00**
				Paid in 17th RA Bill	**Rs. 2,436,000.00**
				Paid in 18th RA Bill	**Rs. 2,424,952.00**
				Paid in 19th RA Bill	**Rs. 3,025,079.00**
				Paid in 20th RA Bill	**Rs. 2,479,734.00**
				Paid in 21st RA Bill	**Rs. 2,481,927.00**
				Paid in 22nd RA Bill	**Rs. 2,466,500.00**
				Gross Value of 23rd RA Bill	**Rs. 2,483,504.22**
				SAY	**Rs. 2,483,504.00**

	RECOVERY DETAILS				
				Gross Value (A)	Rs. 2,483,504.00
(i)	Schedule B Aggregates (-)	2845961.00			
	a) Already recovered in 3rd RA Bill	1225808.00			
	b) Already recovered in 4th RA Bill	224120.00			
	c) Already recovered in 5th RA Bill	216190.00			
	d) Already recovered in 6th RA Bill	201532.00			
	e) Already recovered in 7th RA Bill	239032.00			
	f) Already recovered in 8th RA Bill	241859.00			
	g) Already recovered in 9th RA Bill	497420.00			
	h) Already recovered in 10th RA Bill	0.00			
	i) Already recovered in 11th RA Bill	0.00			
	j) Already recovered in 12th RA Bill	0.00			
	k) Already recovered in 13th RA Bill	0.00			
	l) Already recovered in 14th RA Bill	0.00			
	m) Already recovered in 15th RA Bill	0.00			
	n) Already recovered in 16th RA Bill	0.00			
	o) Already recovered in 17th RA Bill	0.00			
	p) Already recovered in 18th RA Bill	0.00			
	q) Already recovered in 19th RA Bill	0.00			
	r) Already recovered in 20th RA Bill	0.00			
	s) Already recovered in 21st RA Bill	0.00			
	t) Already recovered in 22nd RA Bill	0.00			
	u) To be recovered in this bill	Rs. 0.00			Rs. 0.00
(ii)	Material Laying at site - Steel	8663640.00			
	a) Already recovered in 3rd RA Bill	1601924.00			
	b) Already recovered in 4th RA Bill	324012.00			
	c) Already recovered in 5th RA Bill	424990.00			
	d) Already recovered in 6th RA Bill	399197.00			
	e) Already recovered in 7th RA Bill	364686.00			
	f) Already recovered in 8th RA Bill	217034.00			
	g) Already recovered in 9th RA Bill	2160074.00			
	h) Already recovered in 10th RA Bill	330719.00			
	i) Already recovered in 11th RA Bill	400216.00			
	j) Already recovered in 12th RA Bill	471436.00			
	k) Already recovered in 13th RA Bill	301802.00			
	l) Already recovered in 14th RA Bill	0.00			
	m) Already recovered in 15th RA Bill	167267.00			
	n) Already recovered in 16th RA Bill	356405.00			
	o) Already recovered in 17th RA Bill	0.00			
	p) Already recovered in 18th RA Bill	458711.00			
	q) Already recovered in 19th RA Bill	249498.00			
	r) Already recovered in 20th RA Bill	250964.00			
	s) Already recovered in 21st RA Bill	180576.00			
	t) Already recovered in 22nd RA Bill	2880.00			
	u) To be recovered in this bill	Rs. 1,249.00			Rs. 1,249.00

(iii)	Security deposit @ 2.5% on Total Workdone Amount	2368707.53			
	a) Already recovered in 2nd RA Bill	475623.00			
	b) Already recovered in 3rd RA Bill	359238.00			
	c) Already recovered in 4th RA Bill	60506.55			
	d) Already recovered in 5th RA Bill	60668.39			
	e) Already recovered in 6th RA Bill	59487.70			
	f) Already recovered in 7th RA Bill	60870.19			
	g) Already recovered in 8th RA Bill	62041.00			
	h) Already recovered in 9th RA Bill	626354.00			
	i) Already recovered in 10th RA Bill	62146.00			
	j) Already recovered in 11th RA Bill	61955.00			
	k) Already recovered in 12th RA Bill	62288.00			
	l) Already recovered in 13th RA Bill	61579.00			
	m) Already recovered in 14th RA Bill	61839.00			
	n) Already recovered in 15th RA Bill	62080.00			
	o) Already recovered in 16th RA Bill	54413.00			
	p) Already recovered in 17th RA Bill	60900.00			
	q) Already recovered in 18th RA Bill	60624.00			
	r) Already recovered in 19th RA Bill	75628.00			
	s) Already recovered in 20th RA Bill	-205332.00			
	t) Already recovered in 21st RA Bill	62049.00			
	u) Already recovered in 22nd RA Bill	61662.00			
	v) To be recovered in this bill	Rs. 62,088.00			Rs. 62,088.00
(iv)	IT @ 2% on Total Workdone Amount	1894966.02			
	a) Already recovered in 1st RA Bill	99751.00			
	b) Already recovered in 2nd RA Bill	380499.00			
	c) Already recovered in 3rd RA Bill	287390.00			
	d) Already recovered in 4th RA Bill	48405.08			
	e) Already recovered in 5th RA Bill	-51216.33			
	f) Already recovered in 6th RA Bill	47590.16			
	g) Already recovered in 7th RA Bill	48696.15			
	h) Already recovered in 8th RA Bill	49633.00			
	i) Already recovered in 9th RA Bill	501083.00			
	j) Already recovered in 10th RA Bill	49717.00			
	k) Already recovered in 11th RA Bill	49564.00			
	l) Already recovered in 12th RA Bill	49830.00			
	m) Already recovered in 13th RA Bill	49263.00			
	n) Already recovered in 14th RA Bill	49471.00			
	o) Already recovered in 15th RA Bill	49664.00			
	p) Already recovered in 16th RA Bill	43531.00			
	q) Already recovered in 17th RA Bill	48720.00			
	r) Already recovered in 18th RA Bill	48499.00			
	s) Already recovered in 19th RA Bill	60502.00			
	t) Already recovered in 20th RA Bill	-164265.00			
	u) Already recovered in 21st RA Bill	49639.00			
	v) Already recovered in 22nd RA Bill	49330.00			
	w) To be recovered in this bill	Rs. 49,670.00			Rs. 49,670.00

(v)	Labour Welfare Cess @ 1% on Total Workdone Amount				
	a) Already recovered in 2nd RA Bill	947483.01			
	b) Already recovered in 3rd RA Bill	190249.00			
	c) Already recovered in 4th RA Bill	143695.00			
	d) Already recovered in 5th RA Bill	24203.02			
	e) Already recovered in 6th RA Bill	24267.35			
	f) Already recovered in 7th RA Bill	23795.09			
	g) Already recovered in 8th RA Bill	24348.07			
	h) Already recovered in 9th RA Bill	24816.00			
	i) Already recovered in 10th RA Bill	250542.00			
	j) Already recovered in 11th RA Bill	24859.00			
	k) Already recovered in 12th RA Bill	24782.00			
	l) Already recovered in 13th RA Bill	24915.00			
	m) Already recovered in 14th RA Bill	24631.00			
	n) Already recovered in 15th RA Bill	24736.00			
	o) Already recovered in 16th RA Bill	24832.00			
	p) Already recovered in 17th RA Bill	21765.00			
	q) Already recovered in 18th RA Bill	24360.00			
	r) Already recovered in 19th RA Bill	24250.00			
	s) Already recovered in 20th RA Bill	30251.00			
	t) Already recovered in 21st RA Bill	-82133.00			
	u) Already recovered in 22nd RA Bill	24819.00			
	v) To be recovered in this bill	24665.00			
		Rs. 24,835.00			Rs. 24,835.00
(vi)	UGST @ 1% on Total Workdone Amount				
	a) Already recovered in 1st RA Bill	947483.01			
	b) Already recovered in 2nd RA Bill	49875.50			
	c) Already recovered in 3rd RA Bill	190249.50			
	d) Already recovered in 4th RA Bill	143695.00			
	e) Already recovered in 5th RA Bill	24202.52			
	f) Already recovered in 6th RA Bill	-25608.15			
	g) Already recovered in 7th RA Bill	23795.09			
	h) Already recovered in 8th RA Bill	24348.07			
	i) Already recovered in 9th RA Bill	24816.00			
	j) Already recovered in 10th RA Bill	250542.00			
	k) Already recovered in 11th RA Bill	24859.00			
	l) Already recovered in 12th RA Bill	24782.00			
	m) Already recovered in 13th RA Bill	24915.00			
	n) Already recovered in 14th RA Bill	24631.00			
	o) Already recovered in 15th RA Bill	24736.00			
	p) Already recovered in 16th RA Bill	24832.00			
	q) Already recovered in 17th RA Bill	21765.00			
	r) Already recovered in 18th RA Bill	24360.00			
	s) Already recovered in 19th RA Bill	24250.00			
	t) Already recovered in 20th RA Bill	30251.00			
	u) Already recovered in 21st RA Bill	-82133.00			
	v) Already recovered in 22nd RA Bill	24819.00			
	w) To be recovered in this bill	24665.00			
		Rs. 24,835.00			Rs. 24,835.00

(vii)	CGST @ 1% on Total Workdone Amount				
	a) Already recovered in 1st RA Bill	947483.01			
	b) Already recovered in 2nd RA Bill	49875.50			
	c) Already recovered in 3rd RA Bill	190249.50			
	d) Already recovered in 4th RA Bill	143695.00			
	e) Already recovered in 5th RA Bill	24202.52			
	f) Already recovered in 6th RA Bill	-25608.15			
	g) Already recovered in 7th RA Bill	23795.09			
	h) Already recovered in 8th RA Bill	24348.07			
	i) Already recovered in 9th RA Bill	24816.00			
	j) Already recovered in 10th RA Bill	250542.00			
	k) Already recovered in 11th RA Bill	24859.00			
	l) Already recovered in 12th RA Bill	24782.00			
	m) Already recovered in 13th RA Bill	24915.00			
	n) Already recovered in 14th RA Bill	24631.00			
	o) Already recovered in 15th RA Bill	24736.00			
	p) Already recovered in 16th RA Bill	24832.00			
	q) Already recovered in 17th RA Bill	21765.00			
	r) Already recovered in 18th RA Bill	24360.00			
	s) Already recovered in 19th RA Bill	24250.00			
	t) Already recovered in 20th RA Bill	30251.00			
	u) Already recovered in 21st RA Bill	-82133.00			
	v) Already recovered in 22nd RA Bill	24819.00			
	w) To be recovered in this bill	24665.00			
		Rs. 24,835.00			Rs. 24,835.00
				Total Recovery (B)	**Rs. 187,512.00**
				Net Amount Payable in this Bill (A-B)	**Rs. 2,295,992.00**
				Says	**Rs. 2,295,992.00**

Net Amount in words:- (Rupees Twenty Two Lakhs Ninety Five Thousand Nine Hundred Ninety Two Only)

Certified that:-

1. The work has been executed as per terms and conditions of the agreement.
2. No material and T & P has been issued from the Department.
3. Own arrangements for water has been made.
4. No Labour Complaints has been received.
5. Requisite technical staff has been employed as per agreement.
6. Up to date recoveries have been effected in this bill.
7. All Mandatory Test have been conducted.

Signature of the Contractor

Signature of the AE

Signature of the EE (Works)

Secured Advance against the materials brought at site

Name of Work:- Marine esplanade: Marina road restructuring with uniform carriage way, walking track, street lighting, street furniture, service core trenching and land scaping.

Agreement No :- 01 (PBSPL) of 2020-21

Agency :- M/s. Surendra Infrastructure (P) Ltd.

Serial no of this bill :- 23rd R.A Bill

S.No	Sch Item No.	Description of Items	Quantity	Unit	Rate Allowed	Amount
1	1.09	Steel TMT Bars	175023.033	Kgs	49.50	8663640.134
					Total Amount	**8663640.13**
					Says	**8663640.00**

Junior Engineer-III (Works)

PBMC

THEORETICAL STATEMENT

Name of Work:- Marine esplanade: Marina road restructuring with uniform carriage way, walking track, street lighting, street furniture, service core trenching and land scaping.

Agreement No :- 01 (PBSPL) of 2020-21

Agency :- M/s. Surendra Infrastructure (P) Ltd.

Serial no of this bill :- 23rd R.A Bill

S.No	Sch Item No.	Description of Items	Quantity	Unit	Coefficient	Quantity
1	1.04	**PCC 1:4:8**	443.277	Cum		
		Cement		Bags	3.410	1511.575
2	1.07	**M-25**	759.126	Cum		
		Cement		Bags	6.860	5207.604
3	1.08	**M-40**	2009.999	Cum		
		Cement		Bags	8.840	17768.391
4	1.1	**12 mm plaster 1:4**	2512.250	Sqm		
		Cement		Bags	0.1094	274.840
					Total	**24762.410**

Junior Engineer-III (Works)

PBMC

Ref. Page No: 4019 of TCMB

Authority: Agr. No: 01 (PBSPL) of 2020-21

Work: Marina Esplanade: marina road restructuring with uniform carriage way walking track, street lighting, street furniture service core furniture and landscaping.

Agency: M/s. Surendra infrastructure (P) Ltd.

Gross value of work done	→	9642363
Paid upto 22nd RA Bill	→	9394137
Gross value of 23rd RA Bill	→	248504
Material Laying at site now recovered.	→	1249/-

Add:

(I)	SD @ 2.5% on G/V	→	241059/-
	Already ded upto 22nd RA	→	234853/-
	Now to be deducted	→	6205/-
(II)	IT @ 2% on G/V	→	192843/-
	Already declu upto 22nd RA	→	187882/-
	Now to be ded.	→	4964/-
(III)	Cess @ 1% on G/V	→	96423/-
	Already ded upto 22nd RA	→	93941/-
	Now to be ded.	→	2482/-
(IV)	TDS on WT @ 2% G/V	→	192843/-
	Already ded upto 22nd RA	→	187882/-
	Now to be ded	→	4964/-
	Total deductions	→	186169/-

23rd RA Bill passed for Rs. 2,483,504/-
(Rupees Twenty four lakhs eighty three thousand five hundred and four only)

Executive Engineer – III (Retd)
Municipal Council
Port Blair

Payment release for Rs. 22,96,086/-

ACCOUNT OFFICER – II
Municipal Council
Port Blair

Division:- Executive Engineer-III (SWM/MC), Port Blair Municipal Council, Port Blair

(24th R.A BILL)

COMPUTERIZED MEASUREMENT BOOK

(DETAILS OF ABSTRACT)

CMB No:- 354/EE-III/SWM/MC/2021-22

Name of Work: - Marine esplanade: Marina road restructuring with uniform carriage way, walking track, street lighting, street furniture, service core trenching and land scaping.

Name of Contractor: - M/s. Surendra Infrastructure (P) Ltd.

Agreement No.: - 01 (PBSPL) of 2020-2021

Certified that this Computerized measurement book bearing no.354/EE-III/SWM/MC/2021-22 contains 14 leaves serially numbered from pages 01 to 14 and two blank pages without any damage.

Signature of
Contractor

Signature of
Assistant Engineer

Signature of
Executive Engineer

ABSTRACT OF COST
(24th R.A Bill)

Name of Work:- Marine esplanade: Marina road restructuring with uniform carriage way, walking track, street lighting, street furniture, service core trenching and land scaping.

Agreement No. :- 01 (PBSPL) of 2020-2021

Name of Agency :- M/s. Surendra Infrastructure (P) Ltd.

Date of Commencement :- 07.12.2020

Date of Completion :- In Progress

Reference to previous measurement, if any :- NIL

Serial no. of this bill :- 24th R.A Bill

CMB no. of this bill :- 354/EE-III/SWM/MC/2021-22

Date of Abstract :-

Item No.	Particulars	Quantity	Unit	Rate	Amount
1	**CIVIL WORKS**				
1.01	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m. a) All kinds of soil.				
	Qty b/f CMB No.342/EE-III/SWM/MC/2021-22 vide page no.01 (Upto 20th R.A Bill Qty)	3829.776			
	Total	**3829.776**	**Cum**	**Rs. 225.00**	**Rs. 861,699.60**
1.02	Excavation work by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m. Hard rock (blasting prohibited)				
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.01 (Upto 9th R.A Bill Qty)	242.226			
	Total	**242.226**	**Cum**	**Rs. 500.00**	**Rs. 121,113.00**
1.03	Filling with available pulverised sand				
	Qty b/f CMB No.342/EE-III/SWM/MC/2021-22 vide page no.02 (Upto 20th R.A Bill Qty)	216.806			
	Total	**216.806**	**Cum**	**Rs. 3,400.00**	**Rs. 737,140.40**
1.04	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:4:8 (1 Cement : 4 coarse sand (Zone III) : 8 graded stone aggregate 40 mm nominal size)				
	Qty b/f CMB No.342/EE-III/SWM/MC/2021-22 vide page no.04 (Upto 20th R.A Bill Qty)	443.277			
	Qty b/f CMB No.353/EE-III/SWM/MC/2021-22 vide page no.03 (24th R.A Bill Qty)	2.500			
	Total	**445.777**	**Cum**	**Rs. 9,250.00**	**Rs. 4,123,437.25**

1.05	Providing and laying in position machine batched and machine mixed design mix M-25 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying but excluding the cost of centering, shuttering, finishing and reinforcement, including admixtures in recommended proportions as per IS: 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer-in-charge."(Note :- Cement content considered in this item is @ 330 kg/cum."Excess/ less cement used as per design mix is payable/recoverable separately). All works upto plinth level				
	Qty b/f CMB No.324/EE-III/SWM/MC/2021-22 vide page no.03 (Upto 19th R.A Bill Qty)	1122.405			
	Total	**1122.405**	**Cum**	**Rs. 11,000.00**	**Rs. 12,346,455.00**
1.06	Extra for laying RCC in or under water and/or liquid mud, including cost of pumping or bailing out water and removing slush etc., complete.				
	Qty b/f CMB No.324/EE-III/SWM/MC/2021-22 vide page no.03 (Upto 19th R.A Bill Qty)	1447.673		202.800×650= 131820.00 1244.873×487.50= 606875.59	
	Total	**1447.673**	**Cum**	**Rs. 650.00**	**Rs. 940,987.45** 738695.59
1.07	Providing and laying in position machine batched and machine mixed design mix M-25 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying but excluding the cost of centering, shuttering, finishing and reinforcement, including admixtures in recommended proportions as per IS: 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer-in-charge."(Note :- Cement contentconsidered in this item is @ 330 kg/cum."Excess/ less cement used as per design mix is payable/recoverable separately). All works above plinth level upto floor V level				
	Qty b/f CMB No.348/EE-III/SWM/MC/2021-22 vide page no.04 (Upto 23rd R.A Bill Qty)	1646.720			
	Qty b/f CMB No.353/EE-III/SWM/MC/2021-22 vide page no.03 (24th R.A Bill Qty)	4.121			
	Qty b/f CMB No.353/EE-III/SWM/MC/2021-22 vide page no.05 (24th R.A Bill Qty)	6.925			
		1657.766	**Cum**	**Rs. 11,400.00**	**Rs. 18,898,532.40**
	Providing M-25 grade concrete. (Note : Cement content considered as per Design Mix M25 - 343 kg/cbm approved.				
	Qty b/f CMB No.348/EE-III/SWM/MC/2021-22 vide page no.05 (Upto 23rd R.A Bill Qty)	9868.326			
	Extra for providing M-25 grade concrete. (Note : Cement content considered as per Design Mix M25 - 343 kg/cbm approved. (Qty - 11.046 Cum) Cement Qty = 11.046 x 343 = 3788.778 Kg = 11.046 x 330 = 3645.180 Kg Difference Qty = 143.598 Kg	143.598			
	Total	**10011.924**	**Kg**	**Rs. 10.00**	**Rs. 100,119.24**

1.08	Extra for providing richer mixes at all floor levels. Note:- Excess/less cement over the specified cement content used is payable / recoverable separately. Providing M-40 grade concrete instead of M-25 grade BMC/RMC. (Note : Cement content considered in M-40 is @ 360 kg/cum)				
	Qty b/f CMB No.324/EE-III/SWM/MC/2021-22 vide page no.05 (Upto 19th R.A Bill Qty)	2009.999			
	Total	**2009.999**	**Cum**	**Rs. 320.00**	**Rs. 643,199.68**
	Extra for providing richer mixes M-40 grade concrete. (Note : Cement content considered as per Design Mix M40 - 442 kg/cbm approved.				
	Qty b/f CMB No.324/EE-III/SWM/MC/2021-22 vide page no.06 (Upto19th R.A Bill Qty)	164820.000			
	Total	**164820.000**	**Kg**	**Rs. 10.00**	**Rs. 1,648,200.00**
1.09	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level. A) Thermo-Mechanically Treated bars of grade Fe-500D or more.				
	Qty b/f CMB No.348/EE-III/SWM/MC/2021-22 vide page no.07 (Upto 23rd R.A Bill Qty)	175023.033			
	Total	**175023.033**	**Kg**	**Rs. 91.00**	**Rs. 15,927,096.00**
1.1	12 mm plaster 1:4				
	Qty b/f CMB No.348/EE-III/SWM/MC/2021-22 vide page no.07 (Upto 23rd R.A Bill Qty)	2512.250			
		2512.250	**Sqm**	**Rs. 370.00**	**Rs. 929,532.50**
1.11	Centering and shuttering including strutting, propping etc. and removal of form work for : Foundations, footings, bases for columns				
	Qty b/f CMB No.324/EE-III/SWM/MC/2021-22 vide page no.07 (Upto 19th R.A Bill Qty)	684.790			
	Total	**684.790**	**Sqm**	**Rs. 340.00**	**Rs. 232,828.60**
1.12	Centering and shuttering including strutting, propping etc. and removal of form work for : Retaining walls, return walls, walls (any thickness) including attached pilasters, butteresses, plinth and string courses fillets, kerbs and steps etc.				
	Qty b/f CMB No.348/EE-III/SWM/MC/2021-22 vide page no.08 (Upto 23rd R.A Bill Qty)	7846.701			
	Qty b/f CMB No.353/EE-III/SWM/MC/2021-22 vide page no.03 (24th R.A Bill Qty)	41.209			
	Total	**7887.910**	**Sqm**	**Rs. 570.00**	**Rs. 4,496,108.70**
1.13	Centering and shuttering including strutting, propping etc. and removal of form for all heights : Extra for shuttering in circular work (20% of respective centering and shutttering items)				
	Qty b/f CMB No.324/EE-III/SWM/MC/2021-22 vide page no.09 (Upto 19th R.A Bill Qty)	425.083			
	Total	**425.083**	**Sqm**	**Rs. 150.00**	**Rs. 63,762.45**

1.16	Providing and fixing FRP Pultruded hand rail with PU coating with 50x50x6mm post, top ergonomic hand rail 70x65x4mm mild omega shaped 80x4mm Toe/knee plate 80x3 mm with FRP Foot mount & SS 316 L fasterners Height 600mm AND FRP post at every 1.5 meter as per the direction of the engineer in charge.				
	Qty b/f CMB No.348/EE-III/SWM/MC/2021-22 vide page no.09 (Upto 23rd R.A Bill Qty)	913.200			
	Qty b/f CMB No.353/EE-III/SWM/MC/2021-22 vide page no.02 (24th R.A Bill Qty)	86.800			
		452.600	**meter**	**Rs. 5,600.00**	**Rs. 2,534,560.00**
	Total	**580.000**	**meter**	**Rs. 4,200.00**	**Rs. 2,436,000.00**
		-32.600	**meter**	**Rs. 4,200.00**	**-Rs. 136,920.00**
1.17	Providing and laying factory made chamfered edge Cement Concrete paver blocks in foot path, park & lawns driveway or light & traffic parking etc. of required strength, thickness & size/shape, made by table vibratory method using PU mould, laid in required colour & pattern over 50 mm thick compacted bed of course sand, compacting and proper embedding/laying of inter locking paver blocks unto the sand bedding layer through vibratory compaction by using plate vibrator, filling the joints with sand and cutting of paver blocks as per required size and pattern, finishing and sweeping extra sand, all complete as per manufacturer's specifications & direction of Engineer-in-Charge. 80mm thick Cement concrete paver block of M-35 grade with approved colour, design & pattern.				
	Qty b/f CMB No.347/EE-III/SWM/MC/2021-22 vide page no.10 (Upto 23rd R.A Bill Qty)	4185.168			
	Qty b/f CMB No.353/EE-III/SWM/MC/2021-22 vide page no.01 (24th R.A Bill Qty)	319.460			
	Qty b/f CMB No.353/EE-III/SWM/MC/2021-22 vide page no.02 (24th R.A Bill Qty)	402.685			
	Total	**4907.313**	**Sqm**	**Rs. 2,300.00**	**Rs. 11,286,819.90**
1.19	Demolishing R.C.C. work manually/ by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge.				
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.14 (Upto 9th R.A Bill Qty)	28.211			
	Total	**28.211**	**Cum**	**Rs. 1,100.00**	**Rs. 31,032.10**
1.2	Demolishing cement concrete manually/ by mechanical means and disposal of material within 50 metres lead as per direction of Engineerin-charge. cum Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix)				
	Qty b/f CMB No.304/EE-III/SWM/MC/2021-22 vide page no.09 (Upto 13th R.A Bill Qty)	136.341			
	Total	**136.341**	**Cum**	**Rs. 1,100.00**	**Rs. 149,975.10**
	Substitute Item No.1				
1.36	Providing Victoria bench of standard size as per the direction of Engineer in charge.				
	Qty b/f CMB No.346/EE-III/SWM/MC/2021-22 vide page no.04 (Upto 22nd R.A Bill Qty)	80.000			
	Total	**80.000**	**Nos**	**Rs. 28,500.00**	**Rs. 2,280,000.00**

2	**ELECTRICAL WORKS**				
2.01	Supply of 8 Mtr. height decorative Chatsworth pole having cast iron decorative base and pipe dia of 165mm dia & 1 mtr long with cast iron reducer joining with 101mm OD straight pipe. Pole shall be mounted on square base plate. Decorative Cascade bracket with 940mm height mounted on pole. Pole and two brackets at differential height shall be galvanized and painted with PU paint in closed paint chamber with heating treatment in chamber, Make: Surya				
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.08 (Upto 3rd R.A Bill Qty)	65.000			
	Total	**65.000**	**Nos**	**Rs. 64,000.00**	**Rs. 4,160,000.00**
2.02	Supply of Decorative Luminaires for Urban lighting, body made of painted spun aluminum, The protector is made of polycarbonate grade UVresistant (IK 08), Permanently sealed optical compartment with IP66 protection. Luminaire offers tool free access to gear compartment with IP44 protection. Luminaire can be installed as a suspended luminaire. The luminaire is equipped with the LensoFlex2® technology photometric system. PMMA lenses with wide photometry for increased pole spacing. Fixture is having a surge protection of 10KA. Electronic driver is having power factor>0.90*, THD<20*% and input voltage range from 120-227V AC at 50Hz. Luminaire efficacy is 100 im/ watt system lumen greater than 7500 lumens in CCT range of 4000 as per ANSI. System life of 50000 burning hours with 70% of initial lumens maintained. Luminaire is suitable for operating temperature (Ta) from -20 to 50c. Driver can withstand 320V AC for 48 hours and 360V AC for 2 hours. Make: Surya SLE PT 75W VEGA				
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.09 (Upto 3rd R.A Bill Qty)	65.000			
	Total	**65.000**	**Nos**	**Rs. 40,000.00**	**Rs. 2,600,000.00**
2.03	Supply of Decorative Luminaires for Urban lighting, body made of painted spun aluminum, The protector is made of polycarbonate grade UVresistant (IK 08), Permanently sealed optical compartment with IP66 protection. Luminaire offers tool free access to gear compartment with IP44 protection. Luminaire can be installed as a suspended luminaire. The luminaire is equipped with the LensoFlex2® technology photometric system. PMMA lenses with wide photometry for increased pole spacing. Fixture is having a surge protection of 10KA. Electronic driver is having power factor>0.90*, THD<20*% and input voltage range from 120-227V AC at 50Hz. Luminaire efficacy is 100 im/ watt system lumen greater than 7500 lumens in CCT range of 4000 as per ANSI. System life of 50000 burning hours with 70% of initial lumens maintained. Luminaire is suitable for operating temperature (Ta) from -20 to 50c. Driver can withstand 320V AC for 48 hours and 360V AC for 2 hours. Make: Surya SLE PT 40W VEGA				
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.09 (Upto 3rd R.A Bill Qty)	65.000			
	Total	**65.000**	**Nos**	**Rs. 33,500.00**	**Rs. 2,177,500.00**

2.04	Providing of XLPE (IS:7098) (I)-88 ISI armoured cable multistrand Aluminium conductor for 1.1 KV. to be laid on wall with necessary clamps or in existing trench/ pipe			1500 x 275 =	412500.00
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.09 (Upto 3rd R.A Bill Qty)	3000.000		150 x 275 = 1052 x 206.25 =	123750.00 216562.50
	Total	**3000.000**	**Mtr**	**Rs. 275.00**	**Rs. 825,000.00**
2.05	Supply of 50mm DWC pipes of approved make for covering of cable.				752812.50
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.10 (Upto 3rd R.A Bill Qty)	2400.000		1250 x 230 = 360 x 230 = 849 x 172.50 =	276000.00 82800.00 194700.00
	Total	**2400.000**	**Mtr**	**Rs. 230.00**	**Rs. 552,000.00**
2.06	Supply of Flexible PVC insulated multistrand multicore 1.1 kv grade ISI marked copper wires of following size to be erected as directed 1.50 Sq.mm 3 core round PVC sheathed.				503700.00
	Qty b/f CMB No.185/EE-III/SWM/MC/2020-21 vide page no.10 (Upto 3rd R.A Bill Qty)	1400.000		700 x 255 = 210 x 255 = 490 x 191.25 =	178500.00 53550.00 93712.50
	Total	**1400.000**	**Mtr**	**Rs. 255.00**	**Rs. 357,000.00**
2.07	Supply of Street light Timer Panel box of size H: 750mm x L: 600mm x D: 300mm of following specification: (a) fabricated from 16 G.M.S. sheet, dust & vermin proof having hinged double door, lock & key with rubber gasket and necessary Items (b) Power 3 Pole 70A. 415/ 220V. Complete contactor - 1 nos. (c) Astronomical Time switch - 1 nos. (d) 4 Pole C 10KA 63A ELCB+MCB- 1 nos. (e) 1 Pole C 10KA 6 to 32A MCB switch - 6 nos. (f) LED R.Y.B. indicator Supply side - 3 nos. (g) 40A 4 way heavy duty connector - 2 nos. (h) 1 Phase energy meter space (i) All internal complete wiring box (All materials make: L&T, BCH, T.C., Siemens, C&S,schnider) Item includes necessary stand and foundation work as directed by Engineer-In-charge				325762.50
	Qty b/f CMB No.348/EE-III/SWM/MC/2021-22 vide page no.12 (Upto 23rd R.A Bill Qty)	2.000			
	Total	**2.000**	**Nos**	**Rs. 285,000.00**	**Rs. 570,000.00**
3	**SUB HEAD : Installation, Testing and Commissioning of Streetlight System**				
3.01	Installation of 8 mtr Decorative Pole including excavation and constructing M-20/1:2:4 cement concrete foundation of size 45 x 45 x 120 cms. Deep as directed by Engineer-in-charge.				
	Qty b/f CMB No.348/EE-III/SWM/MC/2021-22 vide page no.12 (Upto 23rd R.A Bill Qty)	27.000			
	Qty b/f CMB No.353/EE-III/SWM/MC/2021-22 vide page no.05 (24th R.A Bill Qty)	13.000			
		40.000	**Nos**	**Rs. 5,550.00**	**Rs. 222,000.00**
3.02	Installation, Testing and Commissioning of 75/40 watt Decorative LED Luminaries.				
	Qty b/f CMB No.348/EE-III/SWM/MC/2021-22 vide page no.12 (Upto 23rd R.A Bill Qty)	54.000			
	Qty b/f CMB No.353/EE-III/SWM/MC/2021-22 vide page no.05 (24th R.A Bill Qty)	26.000			
	Total	**80.000**	**Nos**	**Rs. 700.00**	**Rs. 56,000.00**
3.03	Excavation and laying of DWC pipe at a 90 mm below the ground level/level below PCC in Jogging trek. Item includes refilling of the same trench.				
	Qty b/f CMB No.348/EE-III/SWM/MC/2021-22 vide page no.12 (Upto 23rd R.A Bill Qty)	1157.880			
	Total	**1157.880**	**Mtr**	**Rs. 325.00**	**Rs. 376,311.00**

3.04	Laying of 4x16 Sqmm Aluminium armoured cable in existing laid DWC pipe/on wall.				
	Qty b/f CMB No.285/EE-III/SWM/MC/2021-22 vide page no.10 (Upto 10th R.A Bill Qty)	500.460			
	Total	**500.460**	**Mtr**	**Rs. 60.00**	**Rs. 30,027.60**
3.05	Erecting of 3 core 1.5 sqmm copper flexible cable in pole from junction box to Luminaries				
	Qty b/f CMB No.348/EE-III/SWM/MC/2021-22 vide page no.13 (Upto 23rd R.A Bill Qty)	540.000			
	Qty b/f CMB No.353/EE-III/SWM/MC/2021-22 vide page no.05 (24th R.A Bill Qty)	260.000			
	Total	**800.000**	**Mtr**	**Rs. 42.00**	**Rs. 33,600.00**
3.06	Providing and erecting Pipe type earting with 50mm dia GI pipe of 1500mm long. Item includes excavation and refilling necessary charcol, salt and GI strip for connecting earthing and pole.				
	Qty b/f CMB No.348/EE-III/SWM/MC/2021-22 vide page no.13 (Upto 23rd R.A Bill Qty)	27.000			
	Total	**27.000**	**Nos**	**Rs. 9,000.00**	**Rs. 243,000.00**
	EXTRA ITEM				
1.00	To provide structural design analysis with strucutal reinforcement details for construction of siutable wall section for the proposed construction of sea wall in front of Girls School along with the sea coast to a height of 3.00 mtrs suggesting appropriate section, designing of section and supply of detailed working drawings in CAD format 04 sets of CD and also vetted by any reconginised engineering college by Govt of India complete.				
	Qty b/f CMB No.275/EE-III/SWM/MC/2020-21 vide page no.17 (Upto 9th R.A Bill Qty)	1.000			
	Total	**1.000**	**Nos**	**Rs. 69,620.00**	**Rs. 69,620.00**
2.00	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including getting out and disposal of excavated earth lead upto 50 m and lift upto 1.5 m, as directed by Engineer-in-charge. All kinds of soil.				
	Qty b/f CMB No.342/EE-III/SWM/MC/2021-22 vide page no.02 (Upto 22nd R.A Bill Qty)	6466.907			
	Qty b/f CMB No.353/EE-III/SWM/MC/2021-22 vide page no.04 (24th R.A Bill Qty)	7.210			
	Total	**6474.117**	**Cum**	**Rs. 242.00**	**Rs. 1,566,736.31**
3.00	Carriage of Materials by mechanical transport including loading, unloading and stacking of earth for a lead of 05 kms.				
	Qty b/f CMB No.342/EE-III/SWM/MC/2021-22 vide page no.02 (Upto 22nd R.A Bill Qty)	6466.907			
	Qty b/f CMB No.353/EE-III/SWM/MC/2021-22 vide page no.04 (24th R.A Bill Qty)	7.210			
	Total	**6474.117**	**Cum**	**Rs. 228.23**	**Rs. 1,477,587.72**

4.00	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m.				
	Qty b/f CMB No.342/EE-III/SWM/MC/2021-22 vide page no.02 (Upto 22nd R.A Bill Qty)	6352.932			
	Qty b/f CMB No.353/EE-III/SWM/MC/2021-22 vide page no.04 (24th R.A Bill Qty)	7.210			
	Total	**6360.142**	**Cum**	**Rs. 197.00**	**Rs. 1,252,947.97**
				Total Workdone Amount	**Rs. 97,221,009.98**
	Secured Advance against the materials brought at site				96866993.12/-
1.09	**Material Laying at site - Steel** TMT bars of size 8mm, 10mm, 12mm, 16mm and 20mm restricted to 90% of element cost	**216020.00**	**Kg**	**Rs. 49.50**	**Rs. 10,692,990.00**
					98896343.00
				Total Gross Value	**Rs. 107,913,999.98**
				Paid in 2nd RA Bill	**Rs. 19,024,930.00**
				Paid in 3rd RA Bill	**Rs. 14,369,518.00**
				Paid in 4th RA Bill	**Rs. 2,420,254.00**
				Paid in 5th RA Bill	**Rs. 2,426,737.00**
				Paid in 6th RA Bill	**Rs. 2,379,507.00**
				Paid in 7th RA Bill	**Rs. 2,434,807.00**
				Paid in 8th RA Bill	**Rs. 2,481,634.00**
				Paid in 9th RA Bill	**Rs. 25,054,173.00**
				Paid in 10th RA Bill	**Rs. 2,485,858.00**
				Paid in 11th RA Bill	**Rs. 2,478,213.00**
				Paid in 12th RA Bill	**Rs. 2,477,386.00**
				Paid in 13th RA Bill	**Rs. 2,477,283.00**
				Paid in 14th RA Bill	**Rs. 2,473,559.00**
				Paid in 15th RA Bill	**Rs. 2,483,198.00**
				Paid in 16th RA Bill	**Rs. 2,473,539.00**
				Paid in 17th RA Bill	**Rs. 2,436,000.00**
				Paid in 18th RA Bill	**Rs. 2,424,922.00**
				Paid in 19th RA Bill	**Rs. 2,374,092.00**
				Paid in 20th RA Bill	**Rs. 2,479,734.00**
				Paid in 21st RA Bill	**Rs. 2,481,927.00**
				Paid in 22nd RA Bill	**Rs. 2,466,500.00**
				Paid in 23rd RA Bill	**Rs. 2,483,504.00**
				Gross Value of 24th RA Bill	**Rs. 2,826,724.98**
				SAY	**Rs. 2,826,725.00**

96423634/-

2472709/-

	RECOVERY DETAILS				
					2472,709 /-
(i)	Schedule B Aggregates (-)			Gross Value (A)	Rs. 2,826,725.00
	a) Already recovered in 3rd RA Bill	2845961.00			
	b) Already recovered in 4th RA Bill	1225808.00			
	c) Already recovered in 5th RA Bill	224120.00			
	d) Already recovered in 6th RA Bill	216190.00			
	e) Already recovered in 7th RA Bill	201532.00			
	f) Already recovered in 8th RA Bill	239032.00			
	g) Already recovered in 9th RA Bill	241859.00			
	h) Already recovered in 10th RA Bill	497420.00			
	i) Already recovered in 11th RA Bill	0.00			
	j) Already recovered in 12th RA Bill	0.00			
	k) Already recovered in 13th RA Bill	0.00			
	l) Already recovered in 14th RA Bill	0.00			
	m) Already recovered in 15th RA Bill	0.00			
	n) Already recovered in 16th RA Bill	0.00			
	o) Already recovered in 17th RA Bill	0.00			
	p) Already recovered in 18th RA Bill	0.00			
	q) Already recovered in 19th RA Bill	0.00			
	r) Already recovered in 20th RA Bill	0.00			
	s) Already recovered in 21st RA Bill	0.00			
	t) Already recovered in 22nd RA Bill	0.00			
	u) Already recovered in 23rd RA Bill	0.00			
	v) To be recovered in this bill	Rs. 0.00			Rs. 0.00
(ii)	Material Laying at site - Steel				
	a) Already recovered in 3rd RA Bill	8663640.00			
	b) Already recovered in 4th RA Bill	1601924.00			
	c) Already recovered in 5th RA Bill	324012.00			
	d) Already recovered in 6th RA Bill	424990.00			
	e) Already recovered in 7th RA Bill	399197.00			
	f) Already recovered in 8th RA Bill	364686.00			
	g) Already recovered in 9th RA Bill	217034.00			
	h) Already recovered in 10th RA Bill	2160074.00			
	i) Already recovered in 11th RA Bill	330719.00			
	j) Already recovered in 12th RA Bill	400216.00			
	k) Already recovered in 13th RA Bill	471436.00			
	l) Already recovered in 14th RA Bill	301802.00			
	m) Already recovered in 15th RA Bill	0.00			
	n) Already recovered in 16th RA Bill	167267.00			
	o) Already recovered in 17th RA Bill	356405.00			
	p) Already recovered in 18th RA Bill	0.00			
	q) Already recovered in 19th RA Bill	458711.00			
	r) Already recovered in 20th RA Bill	249498.00			
	s) Already recovered in 21st RA Bill	250964.00			
	t) Already recovered in 22nd RA Bill	180576.00			
	u) Already recovered in 23rd RA Bill	2880.00			
	v) To be recovered in this bill	1249.00			
		Rs. 0.00			Rs. 0.00

(iii)	Security deposit @ 2.5% on Total Workdone Amount	2430525.25	2472409 /-		
	a) Already recovered in 2nd RA Bill	475623.00			
	b) Already recovered in 3rd RA Bill	359238.00			
	c) Already recovered in 4th RA Bill	60507.00			
	d) Already recovered in 5th RA Bill	60668.00			
	e) Already recovered in 6th RA Bill	59488.00			
	f) Already recovered in 7th RA Bill	60870.00			
	g) Already recovered in 8th RA Bill	62041.00			
	h) Already recovered in 9th RA Bill	626354.00			
	i) Already recovered in 10th RA Bill	62146.00			
	j) Already recovered in 11th RA Bill	61956.00			
	k) Already recovered in 12th RA Bill	61935.00			
	l) Already recovered in 13th RA Bill	61932.00			
	m) Already recovered in 14th RA Bill	61839.00			
	n) Already recovered in 15th RA Bill	62080.00			
	o) Already recovered in 16th RA Bill	61838.00	2410591 /-		
	p) Already recovered in 17th RA Bill	60900.00			
	q) Already recovered in 18th RA Bill	60623.00			
	r) Already recovered in 19th RA Bill	59352.00			
	s) Already recovered in 20th RA Bill	-205332.00			
	t) Already recovered in 21st RA Bill	62048.00			
	u) Already recovered in 22nd RA Bill	61663.00			
	v) Already recovered in 23rd RA Bill	62088.00			61818.00
	w) To be recovered in this bill	Rs. 70,668.00			Rs. 70,668.00
(iv)	IT @ 2% on Total Workdone Amount	1944420.20	1977927 /-		
	a) Already recovered in 1st RA Bill	99751.00			
	b) Already recovered in 2nd RA Bill	380499.00			
	c) Already recovered in 3rd RA Bill	287390.00			
	d) Already recovered in 4th RA Bill	48405.08			
	e) Already recovered in 5th RA Bill	8635.00			
	f) Already recovered in 6th RA Bill	47590.00			
	g) Already recovered in 7th RA Bill	48696.00			
	h) Already recovered in 8th RA Bill	49633.00			
	i) Already recovered in 9th RA Bill	501083.00			
	j) Already recovered in 10th RA Bill	49717.00			
	k) Already recovered in 11th RA Bill	49565.00			
	l) Already recovered in 12th RA Bill	49548.00	1928473 /-		
	m) Already recovered in 13th RA Bill	29596.00			
	n) Already recovered in 14th RA Bill	49471.00			
	o) Already recovered in 15th RA Bill	29714.00			
	p) Already recovered in 16th RA Bill	29521.00			
	q) Already recovered in 17th RA Bill	48720.00			
	r) Already recovered in 18th RA Bill	48498.00			
	s) Already recovered in 19th RA Bill	47482.00			
	t) Already recovered in 20th RA Bill	-164265.00			
	u) Already recovered in 21st RA Bill	49639.00			
	v) Already recovered in 22nd RA Bill	49330.00			
	w) Already recovered in 23rd RA Bill	49670.00			49454 /-
	x) To be recovered in this bill	Rs. 56,532.00			Rs. 56,532.00

(v)	Labour Welfare Cess @ 1% on Total Workdone Amount	972210.10	988964/-		
	a) Already recovered in 2nd RA Bill	190249.00			
	b) Already recovered in 3rd RA Bill	143695.00			
	c) Already recovered in 4th RA Bill	24203.00			
	d) Already recovered in 5th RA Bill	24267.00			
	e) Already recovered in 6th RA Bill	23795.00			
	f) Already recovered in 7th RA Bill	24348.00			
	g) Already recovered in 8th RA Bill	24816.00			
	h) Already recovered in 9th RA Bill	250542.00			
	i) Already recovered in 10th RA Bill	24859.00			
	j) Already recovered in 11th RA Bill	24782.00			
	k) Already recovered in 12th RA Bill	24774.00			
	l) Already recovered in 13th RA Bill	24773.00	964237/-		
	m) Already recovered in 14th RA Bill	24736.00			
	n) Already recovered in 15th RA Bill	24832.00			
	o) Already recovered in 16th RA Bill	24735.00			
	p) Already recovered in 17th RA Bill	24360.00			
	q) Already recovered in 18th RA Bill	24249.00			
	r) Already recovered in 19th RA Bill	23741.00			
	s) Already recovered in 20th RA Bill	-82133.00			
	t) Already recovered in 21st RA Bill	24819.00			
	u) Already recovered in 22nd RA Bill	24665.00			
	v) Already recovered in 23rd RA Bill	24835.00		24727.00	
	w) To be recovered in this bill	Rs. 28,268.00		Rs. 28,268.00	
(vi)	UGST @ 1% on Total Workdone Amount	972210.10	988963.50		
	a) Already recovered in 1st RA Bill	49875.50			
	b) Already recovered in 2nd RA Bill	190249.50			
	c) Already recovered in 3rd RA Bill	143695.00			
	d) Already recovered in 4th RA Bill	24202.50			
	e) Already recovered in 5th RA Bill	4317.50			
	f) Already recovered in 6th RA Bill	23795.00			
	g) Already recovered in 7th RA Bill	24348.00			
	h) Already recovered in 8th RA Bill	24816.50			
	i) Already recovered in 9th RA Bill	250541.50	964236.50		
	j) Already recovered in 10th RA Bill	24858.50			
	k) Already recovered in 11th RA Bill	24782.50			
	l) Already recovered in 12th RA Bill	24774.00			
	m) Already recovered in 13th RA Bill	14798.00			
	n) Already recovered in 14th RA Bill	24735.50			
	o) Already recovered in 15th RA Bill	14857.00			
	p) Already recovered in 16th RA Bill	14760.50			
	q) Already recovered in 17th RA Bill	24360.00			
	r) Already recovered in 18th RA Bill	24249.00			
	s) Already recovered in 19th RA Bill	23741.00			
	t) Already recovered in 20th RA Bill	-82133.00			
	u) Already recovered in 21st RA Bill	24819.00			
	v) Already recovered in 22nd RA Bill	24665.00			
	w) Already recovered in 23rd RA Bill	24835.00		24727.00	
	x) To be recovered in this bill	Rs. 28,267.00		Rs. 28,267.00	

(viii)	CGST @ 1% on Total Workdone Amount			
	a) Already recovered in 1st RA Bill	972210.10		
	b) Already recovered in 2nd RA Bill	49875.50		
	c) Already recovered in 3rd RA Bill	190249.50		
	d) Already recovered in 4th RA Bill	143695.00		
	e) Already recovered in 5th RA Bill	24202.50		
	f) Already recovered in 6th RA Bill	4317.50		
	g) Already recovered in 7th RA Bill	23795.00		
	h) Already recovered in 8th RA Bill	24348.00		
	i) Already recovered in 9th RA Bill	24816.50		
	j) Already recovered in 10th RA Bill	250541.50		
	k) Already recovered in 11th RA Bill	24858.50		
	l) Already recovered in 12th RA Bill	24782.50		
	m) Already recovered in 13th RA Bill	24774.00		
	n) Already recovered in 14th RA Bill	14798.00		
	o) Already recovered in 15th RA Bill	24735.50		
	p) Already recovered in 16th RA Bill	14857.00		
	q) Already recovered in 17th RA Bill	14760.50		
	r) Already recovered in 18th RA Bill	24360.00		
	s) Already recovered in 19th RA Bill	24249.00		
	t) Already recovered in 20th RA Bill	23741.00		
	u) Already recovered in 21st RA Bill	-82133.00		
	v) Already recovered in 22nd RA Bill	24819.00		
	w) Already recovered in 23rd RA Bill	24665.00		
	x) To be recovered in this bill	24835.00		
		Rs. 28,267.00		
			Total Recovery (B)	Rs. 212,002.00
			Net Amount Payable in this Bill (A-B)	Rs. 2,614,723.00
			Says	Rs. 2,614,723.00

Net Amount in words:- (Rupees Twenty Six Lakhs Fourteen Thousand Seven Hundred Twenty Three Only)

Certified that:-

1. The work has been executed as per terms and conditions of the agreement.
2. No material and T & P has been issued from the Department.
3. Own arrangements for water has been made.
4. No Labour Complaints has been received.
5. Requisite technical staff has been employed as per agreement.
6. Up to date recoveries have been effected in this bill.
7. All Mandatory Test have been conducted.

Signature of the Contractor

Signature of the AE

Signature of the EE (Works)

Ref. Page No. 01 to 13 of THB.

Authority :- Marine esplanade : marina road restructuring with uniform carriage way, walking track, steel lighting, street furniture, service core trenching and land scaping.

Agency :- M/S Surendra Infrastructure (P) Ltd.

Total Gross value of work done → 9,88,96,343/-
Already paid up to 23rd RA Bill → 9,64,23,634/-
Gross value of 24th RA Bill → 24,72,709/-

Ded

(i) S/deposit @ 2.5% on GTV → 24,72,409/-
Already deducted up to 23rd RA Bill → 24,10,591/-
now to be deducted → 61,818/-

(ii) I/Tax @ 2% on GTV → 19,77,927/-
Already deducted up to 23rd RA Bill → 19,28,473/-
now to be deducted → 49,454/-

(iii) Labourcess @ 1% on GTV → 9,88,964/-
Already deducted up to 23rd RA Bill → 9,64,237/-
now to be deducted. → 24,727/-

(iv) TDS on GST @ 2% on GTV → 19,77,927/-
Already deducted up to 23rd RA Bill → 19,28,473/-
now to be deducted. → 49,454/-

Total deduction → 1,85,453/-

Net-payable Amount → 22,87,256/-

cont...

Secured Advance against the materials brought at site

Name of Work:- Marine esplanade: Marina road restructuring with uniform carriage way, walking track, street lighting, street furniture, service core trenching and land scaping.

Agreement No :- 01 (PBSPL) of 2020-21

Agency :- M/s. Surendra Infrastructure (P) Ltd.

Serial no of this bill :- 24th R.A Bill

S.No	Sch Item No.	Description of Items	Quantity	Unit	Rate Allowed	Amount
1	1.09	Steel TMT Bars	175023.033	Kgs	49.50	8663640.134
					Total Amount	8663640.13
					Says	8663640.00

Junior Engineer-III (Works)
PBMC

24th RA Bill in respect of M/s. Surendra Infrastructure (P) Ltd against Agr. No. 01(PBSPL)of 2020-2021 is passed for ₹= 24,72,709/= (Rupees Twenty four lakhs seventy two thousand seven hundred nine only)

Executive Engineer -III (Works)
Municipal Council
Port Blair

payment released for ₹= 22,87,256/-

लेखा अधिकारी
ACCOUNTS OFFICER - III
नगरपालिका परिषद
Municipal Council
पोर्ट ब्लेयर / Port Blair

THEORETICAL STATEMENT

Name of Work:- **Marine esplanade: Marina road restructuring with uniform carriage way, walking track, street lighting, street furniture, service core trenching and land scaping.**

Agreement No :- 01 (PBSPL) of 2020-21

Agency :- M/s. Surendra Infrastructure (P) Ltd.

Serial no of this bill :- 24th R.A Bill

S.No	Sch Item No.	Description of Items	Quantity	Unit	Coefficient	Quantity
1	1.04	**PCC 1:4:8**	445.777	Cum		
		Cement		Bags	3.410	1520.100
2	1.07	**M-25**	770.172	Cum		
		Cement		Bags	6.860	5283.380
3	1.08	**M-40**	2009.999	Cum		
		Cement		Bags	8.840	17768.391
4	1.1	**12 mm plaster 1:4**	2512.250	Sqm		
		Cement		Bags	0.1094	274.840
					Total	**24846.711**

Junior Engineer-III (Works)
PBMC

SUBUDHI
TECHNOENGINEERS PVT LTD
(Formerly M/s Subudhi Associates)

Report Issue No.: SA/PB/LAB/W-1186/21-22/2455-A **Date: 15-02-2022**

ANALYSIS REPORT ON CONCRETE CUBE

Name of the Client	:	Assistant Engineer-III (RW/SWM), Port Blair.			
Name of the Agency	:	M/s Surendra Infrastructure (P) Ltd.			
Name of the Work	:	Marine Esplanade: Marina road restructure with uniform carriage way, walking track, street lighting, street furniture, service core trenching and landscaping.			
Agreement No	:	01 (PBSPL) of 2020-2021			
Letter Ref. No	:	05-03-01/SE/EE-III/WKS/SWM/MC/2021-22/95	**Date:** 07-02-2022		
Nature of Test	:	Compressive Strength Test of Concrete Cubes.			
Sample received Date	:	14-02-2022	**Sample Code**	:	SA/PB/LAB/21-22/1186
Date of Sampling	:	14-02-2022	**Sampling Method**	:	IS 516-1959
Date of Analysis	:	14-02-2022	**Date of Completion**	:	14-02-2022

ANALYSIS RESULTS

(AS PER IS: 456-2000)

Grade of Concrete	:	M-40	**Size of Concrete cube**	:	15cm x 15cm x 15cm
Date of Cube Casting	:	07-02-2022	**Date of Cube Testing**	:	14-02-2022
Age of Concrete	:	07 Days	**Location**	:	Sea Wall

Sl. No.	Cube Reference	Wt. of cube in kg.	Load in kN	Compressive strength in kg/cm^2	Avg. compressive strength in kg/cm^2	Reqd. Compressive Strength at 07 days in Kg/cm^2
1	A1	8.290	780.0	346.67	350.22	----
2	A2	8.420	788.0	350.22		
3	A3	8.460	796.0	353.78		

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Engineer(Q.C.)

Subudhi Technoengineers Pvt. Ltd.

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Report Issue No.: SA/PB/LAB/W-1187/21-22/2461-A **Date: 21-02-2022**

ANALYSIS REPORT ON CONCRETE CUBE

Name of the Client	:	Assistant Engineer-III (RW/SWM), Port Blair.		
Name of the Agency	:	M/s Surendra Infrastructure (P) Ltd.		
Name of the Work	:	Marine Esplanade: Marina road restructure with uniform carriage way, walking track, street lighting, street furniture, service core trenching and landscaping.		
Agreement No	:	01 (PBSPL) of 2020-2021		
Letter Ref. No	:	05-03-01/SE/EE-III/WKS/SWM/MC/2021-22/103	**Date:**	12-02-2022
Nature of Test	:	Compressive Strength Test of Concrete Cubes.		
Sample received Date	:	19-02-2022	**Sample Code**	: SA/PB/LAB/21-22/1187
Date of Sampling	:	19-02-2022	**Sampling Method**	: IS 516-1959
Date of Analysis	:	19-02-2022	**Date of Completion**	: 19-02-2022

ANALYSIS RESULTS

(AS PER IS: 456-2000)

Grade of Concrete	:	M-40	**Size of Concrete cube**	:	15cm x 15cm x 15cm
Date of Cube Casting	:	12-02-2022	**Date of Cube Testing**	:	19-02-2022
Age of Concrete	:	07 Days	**Location**	:	Sea Wall

Sl. No.	Cube Reference	Wt. of cube in kg.	Load in kN	Compressive strength in kg/cm^2	Avg. compressive strength in kg/cm^2	Reqd. Compressive Strength at 07 days in Kg/cm^2
1	A1	8.370	794.0	352.89	353.04	----
2	A2	8.450	789.0	350.67		
3	A3	8.400	800.0	355.56		

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Report Issue No.: SA/PB/LAB/W-1188/21-22/2462-B **Date: 22-02-2022**

ANALYSIS REPORT ON CONCRETE CUBE

Name of the Client	:	Assistant Engineer-III (RW/SWM), Port Blair.			
Name of the Agency	:	M/s Surendra Infrastructure (P) Ltd.			
Name of the Work	:	Marine Esplanade: Marina road restructure with uniform carriage way, walking track, street lighting, street furniture, service core trenching and landscaping.			
Agreement No	:	01 (PBSPL) of 2020-2021			
Letter Ref. No	:	05-03-01/SE/EE-III/WKS/SWM/MC/2021-22/107	**Date:** 14-02-2022		
Nature of Test	:	Compressive Strength Test of Concrete Cubes.			
Sample received Date	:	21-02-2022	**Sample Code**	:	SA/PB/LAB/21-22/1188
Date of Sampling	:	21-02-2022	**Sampling Method**	:	IS 516-1959
Date of Analysis	:	21-02-2022	**Date of Completion**	:	21-02-2022

ANALYSIS RESULTS

(AS PER IS: 456-2000)

Grade of Concrete	:	M-40	**Size of Concrete cube**	:	15cm x 15cm x 15cm
Date of Cube Casting	:	14-02-2022	**Date of Cube Testing**	:	21-02-2022
Age of Concrete	:	07 Days	**Location**	:	Sea Wall

Sl. No.	Cube Reference	Wt. of cube in kg.	Load in kN	Compressive strength in kg/cm^2	Avg. compressive strength in kg/cm^2	Reqd. Compressive Strength at 07 days in Kg/cm^2
1	A1	8.530	798.0	354.67	347.85	----
2	A2	8.580	780.0	346.67		
3	A3	8.490	770.0	342.22		

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Report Issue No.: SA/PB/LAB/W-1189/21-22/2463-A

Date: 23-02-2022

ANALYSIS REPORT ON CONCRETE CUBE

Name of the Client	:	Assistant Engineer-III (RW/SWM), Port Blair.			
Name of the Agency	:	M/s Surendra Infrastructure (P) Ltd.			
Name of the Work	:	Marine Esplanade: Marina road restructure with uniform carriage way, walking track, street lighting, street furniture, service core trenching and landscaping.			
Agreement No	:	01 (PBSPL) of 2020-2021			
Letter Ref. No	:	05-03-01/SE/EE-III/WKS/SWM/MC/2021-22/110	**Date:** 15-02-2022		
Nature of Test	:	Compressive Strength Test of Concrete Cubes.			
Sample received Date	:	22-02-2022	**Sample Code**	:	SA/PB/LAB/21-22/1189
Date of Sampling	:	22-02-2022	**Sampling Method**	:	IS 516-1959
Date of Analysis	:	22-02-2022	**Date of Completion**	:	22-02-2022

ANALYSIS RESULTS

(AS PER IS: 456-2000)

Grade of Concrete	:	M-40	**Size of Concrete cube**	:	15cm x 15cm x 15cm
Date of Cube Casting	:	15-02-2022	**Date of Cube Testing**	:	22-02-2022
Age of Concrete	:	07 Days	**Location**	:	Sea Wall

Sl. No.	Cube Reference	Wt. of cube in kg.	Load in kN	Compressive strength in kg/cm^2	Avg. compressive strength in kg/cm^2	Reqd. Compressive Strength at 07 days in Kg/cm^2
1	A1	8.550	833.0	370.22	365.48	----
2	A2	8.410	810.0	360.00		
3	A3	8.480	824.0	366.22		

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Report Issue No.: SA/PB/LAB/W-976/21-22/2324-B **Date: 07-10-2021**

ANALYSIS REPORT ON CONCRETE CUBE

Name of the Client	:	Assistant Engineer-III (RW/SWM), Port Blair		
Name of the Agency	:	M/s Surendra Infrastructure (P) Ltd.		
Name of the Work	:	Marine Espande: Marina road restructure with uniform carriage way, walking track, street Lighting, street furniture,service core trenching and landscaping.		
Agreement No	:	01 (PBSPL) of 2020-2021		
Letter Ref. No	:	05-03-01/SE/EE-III/WKS/SWM/MC/2021-22/45A	**Date:** 29-09-2021	
Nature of Test	:	Compressive Strength Test of Concrete Cubes.		
Sample received Date	:	06-10-2021	**Sample Code**	: SA/PB/LAB/21-22/976
Date of Sampling	:	06-10-2021	**Sampling Method**	: IS 516-1959
Date of Analysis	:	06-10-2021	**Date of Completion :**	06-10-2021

ANALYSIS RESULTS

(AS PER IS: 456-2000)

Grade of Concrete	:	M-40	**Size of Concrete cube**	:	15cm x 15cm x 15cm
Date of Cube Casting	:	29-09-2021	**Date of Cube Testing**	:	06-10-2021
Age of Concrete	:	07 Days	**Location**	:	Drain Wall

Sl. No.	Cube Reference	Wt. of cube in kg.	Load in kN	Compressive strength in kg/cm²	Avg. compressive strength in kg/cm²	Reqd. Compressive Strength at 07 days in Kg/cm²
1	A1	8.550	832.0	369.78	366.37	----
2	A2	8.410	814.0	361.78		
3	A3	8.480	827.0	367.56		

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Report Issue No.: SA/PB/LAB/W-974/21-22/2342-A **Date: 25-10-2021**

ANALYSIS REPORT ON CONCRETE CUBE

Name of the Client	:	Assistant Engineer-III (RW/SWM), Port Blair		
Name of the Agency	:	M/s Surendra Infrastructure (P) Ltd.		
Name of the Work	:	Marine Espande: Marina road restructure with uniform carriage way, walking track, street Lighting, street furniture,service core trenching and landscaping.		
Agreement No	:	01 (PBSPL) of 2020-2021		
Letter Ref. No	:	05-03-01/SE/EE-III/WKS/SWM/MC/2021-22/52	**Date:** 17-10-2021	
Nature of Test	:	Compressive Strength Test of Concrete Cubes.		
Sample received Date	:	24-10-2021	**Sample Code**	: SA/PB/LAB/21-22/974
Date of Sampling	:	24-10-2021	**Sampling Method**	: IS 516-1959
Date of Analysis	:	24-10-2021	**Date of Completion** :	24-10-2021

ANALYSIS RESULTS

(AS PER IS: 456-2000)

Grade of Concrete	:	M-25	**Size of Concrete cube**	:	15cm x 15cm x 15cm
Date of Cube Casting	:	17-10-2021	**Date of Cube Testing**	:	24-10-2021
Age of Concrete	:	07 Days	**Location**	:	Viewing duct platform

Sl. No.	Cube Reference	Wt. of cube in kg.	Load in kN	Compressive strength in kg/cm²	Avg. compressive strength in kg/cm²	Reqd. Compressive Strength at 07 days in Kg/cm²
1	A1	8.170	515.0	228.89	232.15	----
2	A2	8.350	530.0	235.56		
3	A3	8.280	522.0	232.00		

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Report Issue No.: SA/PB/LAB/W-973/21-22/2346-A **Date: 29-10-2021**

ANALYSIS REPORT ON CONCRETE CUBE

Name of the Client	:	Assistant Engineer-III (RW/SWM), Port Blair		
Name of the Agency	:	M/s Surendra Infrastructure (P) Ltd.		
Name of the Work	:	Marine Espande: Marina road restructure with uniform carriage way, walking track, street Lighting, street furniture,service core trenching and landscaping.		
Agreement No	:	01 (PBSPL) of 2020-2021		
Letter Ref. No	:	05-03-01/SE/EE-III/WKS/SWM/MC/2021-22/56	**Date:**	21-10-2021
Nature of Test	:	Compressive Strength Test of Concrete Cubes.		
Sample received Date	:	28-10-2021	**Sample Code**	: SA/PB/LAB/21-22/973
Date of Sampling	:	28-10-2021	**Sampling Method**	: IS 516-1959
Date of Analysis	:	28-10-2021	**Date of Completion** :	28-10-2021

ANALYSIS RESULTS

(AS PER IS: 456-2000)

Grade of Concrete	:	M-25	**Size of Concrete cube**	:	15cm x 15cm x 15cm
Date of Cube Casting	:	21-10-2021	**Date of Cube Testing**	:	28-10-2021
Age of Concrete	:	07 Days	**Location**	:	Walking track platform

Sl. No.	Cube Reference	Wt. of cube in kg.	Load in kN	Compressive strength in kg/cm²	Avg. compressive strength in kg/cm²	Reqd. Compressive Strength at 07 days in Kg/cm²
1	A1	8.320	535.0	237.78	237.78	----
2	A2	8.400	543.0	241.33		
3	A3	8.250	527.0	234.22		

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Report Issue No.: SA/PB/LAB/W-1190/21-22/2468 **Date: 28-02-2022**

ANALYSIS REPORT ON CONCRETE CUBE

Name of the Client	:	Assistant Engineer-III (RW/SWM), Port Blair.
Name of the Agency	:	M/s Surendra Infrastructure (P) Ltd.
Name of the Work	:	Marine Esplanade: Marina road restructure with uniform carriage way, walking track, street lighting, street furniture, service core trenching and landscaping.
Agreement No	:	01 (PBSPL) of 2020-2021
Letter Ref. No	:	05-03-01/SE/EE-III/WKS/SWM/MC/2021-22/113 **Date:** 19-02-2022
Nature of Test	:	Compressive Strength Test of Concrete Cubes.
Sample received Date	:	26-02-2022 **Sample Code** : SA/PB/LAB/21-22/1190
Date of Sampling	:	26-02-2022 **Sampling Method** : IS 516-1959
Date of Analysis	:	26-02-2022 **Date of Completion** : 26-02-2022

ANALYSIS RESULTS

(AS PER IS: 456-2000)

Grade of Concrete	:	M-40	**Size of Concrete cube**	:	15cm x 15cm x 15cm
Date of Cube Casting	:	19-02-2022	**Date of Cube Testing**	:	26-02-2022
Age of Concrete	:	07 Days	**Location**	:	Sea Wall

Sl. No.	Cube Reference	Wt. of cube in kg.	Load in kN	Compressive strength in kg/cm²	Avg. compressive strength in kg/cm²	Reqd. Compressive Strength at 07 days in Kg/cm²
1	A1	8.470	818.0	363.56	360.59	----
2	A2	8.550	804.0	357.33		
3	A3	8.500	812.0	360.89		

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Report No.: SA/PB/LAB/W-415/21-22/2218

Date: 23-06-2021

ANALYSIS REPORT ON CONCRETE CUBE

Name of the Client	:	Assistant Engineer-III (RW/SWM), Port Blair		
Name of the Agency	:	M/s Surendra Infrastructure (P) Ltd.		
Name of the Work	:	Marine Espande: Marina road restructure with uniform carriage way, walking track, street Lighting, street furniture,service core trenching and landscaping.		
Agreement No	:	01 (PBSPL) of 2020-2021		
Letter Ref. No	:	05-03-01/SE/EE-III/WKS/SWM/MC/2020-21/38(A)	**Date:**	15-06-2021
Nature of Test	:	Compressive Strength Test of Concrete Cubes.		
Sample received Date	:	22-06-2021	**Sample Code**	: SA/PB/LAB/21-22/415
Date of Sampling	:	22-06-2021	**Sampling Method**	: IS 516-1959
Date of Analysis	:	22-06-2021	**Date of Completion**	: 22-06-2021

ANALYSIS RESULTS

(AS PER IS: 456-2000)

Grade of Concrete	:	M-40	**Size of Concrete cube**	:	15cm x15cm x 15cm
Date of Cube Casting	:	15-06-2021	**Date of Cube Testing**	:	22-06-2021
Age of Concrete	:	07 Days	**Location**	:	Marina Park

Sl. No.	Cube Reference	Wt. of cube in kg.	Load in kN	Compressive strength in kg/cm^2	Avg. compressive strength in kg/cm^2	Reqd. Compressive Strength at 07 days in Kg/cm^2
1	A1	8.550	786.0	349.33	347.70	----
2	A2	8.470	772.0	343.11		
3	A3	8.590	789.0	350.67		

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Report No.: SA/PB/LAB/W-416/21-22/2230-E **Date: 05-07-2021**

ANALYSIS REPORT ON CONCRETE CUBE

Name of the Client	:	Assistant Engineer-III (RW/SWM), Port Blair		
Name of the Agency	:	M/s Surendra Infrastructure (P) Ltd.		
Name of the Work	:	Marine Espande: Marina road restructure with uniform carriage way, walking track, street Lighting, street furniture,service core trenching and landscaping.		
Agreement No	:	01 (PBSPL) of 2020-2021		
Letter Ref. No	:	05-03-01/SE/EE-III/WKS/SWM/MC/2020-21/39(B)	**Date:**	26-06-2021
Nature of Test	:	Compressive Strength Test of Concrete Cubes.		
Sample received Date	:	03-07-2021	**Sample Code**	: SA/PB/LAB/21-22/416
Date of Sampling	:	03-07-2021	**Sampling Method**	: IS 516-1959
Date of Analysis	:	03-07-2021	**Date of Completion**	: 03-07-2021

ANALYSIS RESULTS

(AS PER IS: 456-2000)

Grade of Concrete	:	M-40	**Size of Concrete cube**	:	15cm x15cm x 15cm
Date of Cube Casting	:	26-06-2021	**Date of Cube Testing**	:	03-07-2021
Age of Concrete	:	07 Days	**Location**	:	RCC sea wall

Sl. No.	Cube Reference	Wt. of cube in kg.	Load in kN	Compressive strength in kg/cm^2	Avg. compressive strength in kg/cm^2	Reqd. Compressive Strength at 07 days in Kg/cm^2
1	A1	8.610	810.0	360.00	352.89	----
2	A2	8.580	780.0	346.67		
3	A3	8.560	792.0	352.00		

SUBUDHI TECHNOENGINEERS PVT. LTD. TESTING LABORATORY

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Report No.: SA/PB/LAB/W-417/21-22/2230-F

Date: 05-07-2021

ANALYSIS REPORT ON CONCRETE CUBE

Name of the Client	:	Assistant Engineer-III (RW/SWM), Port Blair		
Name of the Agency	:	M/s Surendra Infrastructure (P) Ltd.		
Name of the Work	:	Marine Espande: Marina road restructure with uniform carriage way, walking track, street Lighting, street furniture,service core trenching and landscaping.		
Agreement No	:	01 (PBSPL) of 2020-2021		
Letter Ref. No	:	05-03-01/SE/EE-III/WKS/SWM/MC/2020-21/39(C)	**Date:**	27-06-2021
Nature of Test	:	Compressive Strength Test of Concrete Cubes.		
Sample received Date	:	04-07-2021	**Sample Code**	: SA/PB/LAB/21-22/417
Date of Sampling	:	04-07-2021	**Sampling Method**	: IS 516-1959
Date of Analysis	:	04-07-2021	**Date of Completion**	: 04-07-2021

ANALYSIS RESULTS

(AS PER IS: 456-2000)

Grade of Concrete	:	M-40	**Size of Concrete cube**	:	15cm x15cm x 15cm
Date of Cube Casting	:	27-06-2021	**Date of Cube Testing**	:	04-07-2021
Age of Concrete	:	07 Days	**Location**	:	RCC sea wall

Sl. No.	Cube Reference	Wt. of cube in kg.	Load in kN	Compressive strength in kg/cm^2	Avg. compressive strength in kg/cm^2	Reqd. Compressive Strength at 07 days in Kg/cm^2
1	A1	8.620	786.0	349.33	350.52	----
2	A2	8.520	792.0	352.00		
3	A3	8.600	788.0	350.22		

SUBUDHI TECHNOENGINEERS PVT LTD TESTING LABORATORY

Engineer(Q.C.)

Subudhi Technoengineers Pvt. Ltd.

Authorized Signatory

Notes:

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Report No.: SA/PB/LAB/W-418/21-22/2237

Date: 12-07-2021

ANALYSIS REPORT ON CONCRETE CUBE

Name of the Client	:	Assistant Engineer-III (RW/SWM), Port Blair		
Name of the Agency	:	M/s Surendra Infrastructure (P) Ltd.		
Name of the Work	:	Marine Espande: Marina road restructure with uniform carriage way, walking track, street Lighting, street furniture,service core trenching and landscaping.		
Agreement No	:	01 (PBSPL) of 2020-2021		
Letter Ref. No	:	05-03-01/SE/EE-III/WKS/SWM/MC/2020-21/41(A)	**Date:**	03-07-2021
Nature of Test	:	Compressive Strength Test of Concrete Cubes.		
Sample received Date	:	10-07-2021	**Sample Code**	: SA/PB/LAB/21-22/418
Date of Sampling	:	10-07-2021	**Sampling Method**	: IS 516-1959
Date of Analysis	:	10-07-2021	**Date of Completion**	: 10-07-2021

ANALYSIS RESULTS

(AS PER IS: 456-2000)

Grade of Concrete	:	M-40	**Size of Concrete cube**	:	15cm x15cm x 15cm
Date of Cube Casting	:	03-07-2021	**Date of Cube Testing**	:	10-07-2021
Age of Concrete	:	07 Days	**Location**	:	RCC sea wall

Sl. No.	Cube Reference	Wt. of cube in kg.	Load in kN	Compressive strength in kg/cm^2	Avg. compressive strength in kg/cm^2	Reqd. Compressive Strength at 07 days in Kg/cm^2
1	A1	8.490	806.0	358.22	351.85	----
2	A2	8.570	782.0	347.56		
3	A3	8.530	787.0	349.78		

SUBUDHI TECHNOENGINEERS PVT. LTD. TESTING LABORATORY

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SUBUDHI
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Date: 16-07-2021

Report No.: SA/PB/LAB/W-419/21-22/2241-E

ANALYSIS REPORT ON CONCRETE CUBE

Name of the Client	:	Assistant Engineer-III (RW/SWM), Port Blair		
Name of the Agency	:	M/s Surendra Infrastructure (P) Ltd.		
Name of the Work	:	Marine Espande: Marina road restructure with uniform carriage way, walking track, street Lighting, street furniture,service core trenching and landscaping.		
Agreement No	:	01 (PBSPL) of 2020-2021		
Letter Ref. No	:	05-03-01/SE/EE-III/WKS/SWM/MC/2020-21/43(A)	**Date:**	08-07-2021
Nature of Test	:	Compressive Strength Test of Concrete Cubes.		
Sample received Date	:	15-07-2021	**Sample Code**	: SA/PB/LAB/21-22/419
Date of Sampling	:	15-07-2021	**Sampling Method**	: IS 516-1959
Date of Analysis	:	15-07-2021	**Date of Completion**	: 15-07-2021

ANALYSIS RESULTS
(AS PER IS: 456-2000)

Grade of Concrete	:	M-40	**Size of Concrete cube**	:	15cm x15cm x 15cm
Date of Cube Casting	:	08-07-2021	**Date of Cube Testing**	:	15-07-2021
Age of Concrete	:	07 Days	**Location**	:	RCC sea wall

Sl. No.	Cube Reference	Wt. of cube in kg.	Load in kN	Compressive strength in kg/cm²	Avg. compressive strength in kg/cm²	Reqd. Compressive Strength at 07 days in Kg/cm²
1	A1	8.580	796.0	353.78	349.63	----
2	A2	8.630	774.0	344.00		
3	A3	8.540	790.0	351.11		

SUBUDHI TECHNOENGINEERS PVT. LTD. TESTING LABORATORY

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Report No.: SA/PB/LAB/W-420/21-22/2245

Date: 20-07-2021

ANALYSIS REPORT ON CONCRETE CUBE

Name of the Client	:	Assistant Engineer-III (RW/SWM), Port Blair		
Name of the Agency	:	M/s Surendra Infrastructure (P) Ltd.		
Name of the Work	:	Marine Espande: Marina road restructure with uniform carriage way, walking track, street Lighting, street furniture,service core trenching and landscaping.		
Agreement No	:	01 (PBSPL) of 2020-2021		
Letter Ref. No	:	05-03-01/SE/EE-III/WKS/SWM/MC/2020-21/58(A)	**Date:** 12-07-2021	
Nature of Test	:	Compressive Strength Test of Concrete Cubes.		
Sample received Date	:	19-07-2021	**Sample Code**	: SA/PB/LAB/21-22/420
Date of Sampling	:	19-07-2021	**Sampling Method**	: IS 516-1959
Date of Analysis	:	19-07-2021	**Date of Completion**	: 19-07-2021

ANALYSIS RESULTS
(AS PER IS: 456-2000)

Grade of Concrete	:	M-40	**Size of Concrete cube**	:	15cm x15cm x 15cm
Date of Cube Casting	:	12-07-2021	**Date of Cube Testing**	:	19-07-2021
Age of Concrete	:	07 Days	**Location**	:	RCC Drain

Sl. No.	Cube Reference	Wt. of cube in kg.	Load in kN	Compressive strength in kg/cm^2	Avg. compressive strength in kg/cm^2	Reqd. Compressive Strength at 07 days in Kg/cm^2
1	A1	8.580	797.0	354.22	355.26	----
2	A2	8.510	809.0	359.56		
3	A3	8.640	792.0	352.00		

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SUBUDHI
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Report No.: SA/PB/LAB/W-421/21-22/2255-B

Date: 30-07-2021

ANALYSIS REPORT ON CONCRETE CUBE

Name of the Client	:	Assistant Engineer-III (RW/SWM), Port Blair		
Name of the Agency	:	M/s Surendra Infrastructure (P) Ltd.		
Name of the Work	:	Marine Espande: Marina road restructure with uniform carriage way, walking track, street Lighting, street furniture,service core trenching and landscaping.		
Agreement No	:	01 (PBSPL) of 2020-2021		
Letter Ref. No	:	05-03-01/SE/EE-III/WKS/SWM/MC/2020-21/59(C)	**Date:**	22-07-2021
Nature of Test	:	Compressive Strength Test of Concrete Cubes.		
Sample received Date	:	29-07-2021	**Sample Code**	: SA/PB/LAB/21-22/421
Date of Sampling	:	29-07-2021	**Sampling Method**	: IS 516-1959
Date of Analysis	:	29-07-2021	**Date of Completion**	: 29-07-2021

ANALYSIS RESULTS

(AS PER IS: 456-2000)

Grade of Concrete	:	M-40	**Size of Concrete cube**	:	15cm x15cm x 15cm
Date of Cube Casting	:	22-07-2021	**Date of Cube Testing**	:	29-07-2021
Age of Concrete	:	07 Days	**Location**	:	RCC sea wall

Sl. No.	Cube Reference	Wt. of cube in kg.	Load in kN	Compressive strength in kg/cm^2	Avg. compressive strength in kg/cm^2	Reqd. Compressive Strength at 07 days in Kg/cm^2
1	A1	8.690	788.0	350.22	350.67	----
2	A2	8.600	793.0	352.44		
3	A3	8.540	786.0	349.33		

SUBUDHI TECHNOENGINEERS PVT LTD TESTING LABORATORY

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Report No.: SA/PB/LAB/W-422/21-22/2251-B

Date: 26-07-2021

ANALYSIS REPORT ON CONCRETE CUBE

Name of the Client	:	Assistant Engineer-III (RW/SWM), Port Blair		
Name of the Agency	:	M/s Surendra Infrastructure (P) Ltd.		
Name of the Work	:	Marine Espande: Marina road restructure with uniform carriage way, walking track, street Lighting, street furniture,service core trenching and landscaping.		
Agreement No	:	01 (PBSPL) of 2020-2021		
Letter Ref. No	:	05-03-01/SE/EE-III/WKS/SWM/MC/2020-21/59(A)	**Date:**	18-07-2021
Nature of Test	:	Compressive Strength Test of Concrete Cubes.		
Sample received Date	:	25-07-2021	**Sample Code**	: SA/PB/LAB/21-22/422
Date of Sampling	:	25-07-2021	**Sampling Method**	: IS 516-1959
Date of Analysis	:	25-07-2021	**Date of Completion**	: 25-07-2021

ANALYSIS RESULTS
(AS PER IS: 456-2000)

Grade of Concrete	:	M-40	**Size of Concrete cube**	:	15cm x15cm x 15cm
Date of Cube Casting	:	18-07-2021	**Date of Cube Testing**	:	25-07-2021
Age of Concrete	:	07 Days	**Location**	:	RCC sea wall

Sl. No.	Cube Reference	Wt. of cube in kg.	Load in kN	Compressive strength in kg/cm²	Avg. compressive strength in kg/cm²	Reqd. Compressive Strength at 07 days in Kg/cm²
1	A1	8.430	785.0	348.89	352.74	----
2	A2	8.520	796.0	353.78		
3	A3	8.480	800.0	355.56		

Engineer(Q.C.)

Subudhi Technoengineers Pvt. Ltd.

Authorized Signatory

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Report No.: SA/PB/LAB/W-423/21-22/2253-E

Date: 28-07-2021

ANALYSIS REPORT ON CONCRETE CUBE

Name of the Client	:	Assistant Engineer-III (RW/SWM), Port Blair		
Name of the Agency	:	M/s Surendra Infrastructure (P) Ltd.		
Name of the Work	:	Marine Espande: Marina road restructure with uniform carriage way, walking track, street Lighting, street furniture,service core trenching and landscaping.		
Agreement No	:	01 (PBSPL) of 2020-2021		
Letter Ref. No	:	05-03-01/SE/EE-III/WKS/SWM/MC/2020-21/59(B)	Date:	20-07-2021
Nature of Test	:	Compressive Strength Test of Concrete Cubes.		
Sample received Date	:	27-07-2021	Sample Code	: SA/PB/LAB/21-22/423
Date of Sampling	:	27-07-2021	Sampling Method	: IS 516-1959
Date of Analysis	:	27-07-2021	Date of Completion	: 27-07-2021

ANALYSIS RESULTS
(AS PER IS: 456-2000)

Grade of Concrete	:	M-40	Size of Concrete cube	:	15cm x15cm x 15cm
Date of Cube Casting	:	20-07-2021	Date of Cube Testing	:	27-07-2021
Age of Concrete	:	07 Days	Location	:	RCC sea wall

Sl. No.	Cube Reference	Wt. of cube in kg.	Load in kN	Compressive strength in kg/cm²	Avg. compressive strength in kg/cm²	Reqd. Compressive Strength at 07 days in Kg/cm²
1	A1	8.590	801.0	356.00	354.22	----
2	A2	8.560	793.0	352.44		
3	A3	8.540	797.0	354.22		

SUBUDHI TECHNOENGINEERS PVT LTD TESTING LABORATORY

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BOCA

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Report No.: SA/PB/LAB/W-407/21-22/2191-A

Date: 27-05-2021

ANALYSIS REPORT ON CONCRETE CUBE

Name of the Client	:	Assistant Engineer-III (RW/SWM), Port Blair		
Name of the Agency	:	M/s Surendra Infrastructure (P) Ltd.		
Name of the Work	:	Marine Espande: Marina road restructure with uniform carriage way, walking track, street Lighting, street furniture,service core trenching and landscaping.		
Agreement No	:	01 (PBSPL) of 2020-2021		
Letter Ref. No	:	05-03-01/SE/EE-III/WKS/SWM/MC/2020-21/36(B)	**Date:**	19-05-2021
Nature of Test	:	Compressive Strength Test of Concrete Cubes.		
Sample received Date	:	26-05-2021	**Sample Code**	: SA/PB/LAB/21-22/407
Date of Sampling	:	26-05-2021	**Sampling Method**	: IS 516-1959
Date of Analysis	:	26-05-2021	**Date of Completion**	: 26-05-2021

ANALYSIS RESULTS

(AS PER IS: 456-2000)

Grade of Concrete	:	M-40	**Size of Concrete cube**	:	15cm x15cm x 15cm
Date of Cube Casting	:	19-05-2021	**Date of Cube Testing**	:	26-05-2021
Age of Concrete	:	07 Days	**Location**	:	Marina Park

Sl. No.	Cube Reference	Wt. of cube in kg.	Load in kN	Compressive strength in kg/cm^2	Avg. compressive strength in kg/cm^2	Reqd. Compressive Strength at 07 days in Kg/cm^2
1	A1	8.620	804.0	357.33	353.19	----
2	A2	8.530	789.0	350.67		
3	A3	8.580	791.0	351.56		

SUBUDHI TECHNOENGINEERS PVT LTD TESTING LABORATORY

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Report No.: SA/PB/LAB/W-408/21-22/2192

Date: 28-05-2021

ANALYSIS REPORT ON CONCRETE CUBE

Name of the Client	:	Assistant Engineer-III (RW/SWM), Port Blair		
Name of the Agency	:	M/s Surendra Infrastructure (P) Ltd.		
Name of the Work	:	Marine Espande: Marina road restructure with uniform carriage way, walking track, street Lighting, street furniture,service core trenching and landscaping.		
Agreement No	:	01 (PBSPL) of 2020-2021	**Date:**	20-05-2021
Letter Ref. No	:	05-03-01/SE/EE-III/WKS/SWM/MC/2020-21/36(C)		
Nature of Test	:	Compressive Strength Test of Concrete Cubes.	**Sample Code**	: SA/PB/LAB/21-22/408
Sample received Date	:	27-05-2021	**Sampling Method**	: IS 516-1959
Date of Sampling	:	27-05-2021	**Date of Completion**	: 27-05-2021
Date of Analysis	:	27-05-2021		

ANALYSIS RESULTS

(AS PER IS: 456-2000)

Grade of Concrete	:	M-40	**Size of Concrete cube**	:	15cm x15cm x 15cm
Date of Cube Casting	:	20-05-2021	**Date of Cube Testing**	:	27-05-2021
Age of Concrete	:	07 Days	**Location**	:	Marina Park

Sl. No.	Cube Reference	Wt. of cube in kg.	Load in kN	Compressive strength in kg/cm²	Avg. compressive strength in kg/cm²	Reqd. Compressive Strength at 07 days in Kg/cm²
1	A1	8.460	779.0	346.22	348.59	----
2	A2	8.520	788.0	350.22		
3	A3	8.570	786.0	349.33		

SUBUDHI TECHNOENGINEERS PVT. LTD. TESTING LABORATORY

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Report No.: SA/PB/LAB/W-409/21-22/2204-A

Date: 09-06-2021

ANALYSIS REPORT ON CONCRETE CUBE

Name of the Client	:	Assistant Engineer-III (RW/SWM), Port Blair		
Name of the Agency	:	M/s Surendra Infrastructure (P) Ltd.		
Name of the Work	:	Marine Espande: Marina road restructure with uniform carriage way, walking track, street Lighting, street furniture,service core trenching and landscaping.		
Agreement No	:	01 (PBSPL) of 2020-2021		
Letter Ref. No	:	05-03-01/SE/EE-III/WKS/SWM/MC/2020-21/37(A)	**Date:**	01-06-2021
Nature of Test	:	Compressive Strength Test of Concrete Cubes.		
Sample received Date	:	08-06-2021	**Sample Code**	: SA/PB/LAB/21-22/409
Date of Sampling	:	08-06-2021	**Sampling Method**	: IS 516-1959
Date of Analysis	:	08-06-2021	**Date of Completion**	: 08-06-2021

ANALYSIS RESULTS

(AS PER IS: 456-2000)

Grade of Concrete	:	M-40	**Size of Concrete cube**	:	15cm x15cm x 15cm
Date of Cube Casting	:	01-06-2021	**Date of Cube Testing**	:	08-06-2021
Age of Concrete	:	07 Days	**Location**	:	Marina Park

Sl. No.	Cube Reference	Wt. of cube in kg.	Load in kN	Compressive strength in kg/cm^2	Avg. compressive strength in kg/cm^2	Reqd. Compressive Strength at 07 days in Kg/cm^2
1	A1	8.580	813.0	361.33	357.19	----
2	A2	8.630	798.0	354.67		
3	A3	8.680	800.0	355.56		

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Report No.: SA/PB/LAB/W-410/21-22/2205-A

Date: 10-06-2021

ANALYSIS REPORT ON CONCRETE CUBE

Name of the Client	:	Assistant Engineer-III (RW/SWM), Port Blair		
Name of the Agency	:	M/s Surendra Infrastructure (P) Ltd.		
Name of the Work	:	Marine Espande: Marina road restructure with uniform carriage way, walking track, street Lighting, street furniture,service core trenching and landscaping.		
Agreement No	:	01 (PBSPL) of 2020-2021		
Letter Ref. No	:	05-03-01/SE/EE-III/WKS/SWM/MC/2020-21/37(B)	Date:	02-06-2021
Nature of Test	:	Compressive Strength Test of Concrete Cubes.		
Sample received Date	:	09-06-2021	Sample Code	: SA/PB/LAB/21-22/410
Date of Sampling	:	09-06-2021	Sampling Method	: IS 516-1959
Date of Analysis	:	09-06-2021	Date of Completion	: 09-06-2021

ANALYSIS RESULTS

(AS PER IS: 456-2000)

Grade of Concrete	:	M-40	Size of Concrete cube	:	15cm x15cm x 15cm
Date of Cube Casting	:	02-06-2021	Date of Cube Testing	:	09-06-2021
Age of Concrete	:	07 Days	Location	:	Marina Park

Sl. No.	Cube Reference	Wt. of cube in kg.	Load in kN	Compressive strength in kg/cm²	Avg. compressive strength in kg/cm²	Reqd. Compressive Strength at 07 days in Kg/cm²
1	A1	8.460	786.0	349.33	350.96	----
2	A2	8.450	792.0	352.00		
3	A3	8.570	791.0	351.56		

Subudhi Technoengineers Pvt. Ltd.

Authorized Signatory

Engineer(Q.C.)

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SUBUDHI
TECHNOENGINEERS PVT LTD
(Formerly M/s Subudhi Associates)

Report No.: SA/PB/LAB/W-411/21-22/2205-B

Date: 10-06-2021

ANALYSIS REPORT ON CONCRETE CUBE

Name of the Client	:	Assistant Engineer-III (RW/SWM), Port Blair		
Name of the Agency	:	M/s Surendra Infrastructure (P) Ltd.		
Name of the Work	:	Marine Espande: Marina road restructure with uniform carriage way, walking track, street Lighting, street furniture,service core trenching and landscaping.		
Agreement No	:	01 (PBSPL) of 2020-2021		
Letter Ref. No	:	05-03-01/SE/EE-III/WKS/SWM/MC/2020-21/37(D)	**Date:**	02-06-2021
Nature of Test	:	Compressive Strength Test of Concrete Cubes.		
Sample received Date	:	09-06-2021	**Sample Code**	: SA/PB/LAB/21-22/411
Date of Sampling	:	09-06-2021	**Sampling Method**	: IS 516-1959
Date of Analysis	:	09-06-2021	**Date of Completion**	: 09-06-2021

ANALYSIS RESULTS

(AS PER IS: 456-2000)

Grade of Concrete	:	M-40	Size of Concrete cube	:	15cm x15cm x 15cm
Date of Cube Casting	:	02-06-2021	Date of Cube Testing	:	09-06-2021
Age of Concrete	:	07 Days	Location	:	Marina Park

Sl. No.	Cube Reference	Wt. of cube in kg.	Load in kN	Compressive strength in kg/cm^2	Avg. compressive strength in kg/cm^2	Reqd. Compressive Strength at 07 days in Kg/cm^2
1	A1	8.550	796.0	353.78	355.26	----
2	A2	8.620	814.0	361.78		
3	A3	8.600	788.0	350.22		

SUBUDHI TECHNOENGINEERS PVT. LTD. TESTING LABORATORY

Engineer(Q.C.)

Subudhi Technoengineers Pvt. Ltd.

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Date: 16-06-2021

Report No.: SA/PB/LAB/W-412/21-22/2211

ANALYSIS REPORT ON CONCRETE CUBE

Name of the Client	:	Assistant Engineer-III (RW/SWM), Port Blair		
Name of the Agency	:	M/s Surendra Infrastructure (P) Ltd.		
Name of the Work	:	Marine Espande: Marina road restructure with uniform carriage way, walking track, street Lighting, street furniture,service core trenching and landscaping.		
Agreement No	:	01 (PBSPL) of 2020-2021		
Letter Ref. No	:	05-03-01/SE/EE-III/WKS/SWM/MC/2020-21/37(C)	**Date:**	08-06-2021
Nature of Test	:	Compressive Strength Test of Concrete Cubes.		
Sample received Date	:	15-06-2021	**Sample Code**	: SA/PB/LAB/21-22/412
Date of Sampling	:	15-06-2021	**Sampling Method**	: IS 516-1959
Date of Analysis	:	15-06-2021	**Date of Completion**	: 15-06-2021

ANALYSIS RESULTS

(AS PER IS: 456-2000)

Grade of Concrete	:	M-40	**Size of Concrete cube**	:	15cm x15cm x 15cm
Date of Cube Casting	:	08-06-2021	**Date of Cube Testing**	:	15-06-2021
Age of Concrete	:	07 Days	**Location**	:	Marina Park

Sl. No.	Cube Reference	Wt. of cube in kg.	Load in kN	Compressive strength in kg/cm²	Avg. compressive strength in kg/cm²	Reqd. Compressive Strength at 07 days in Kg/cm²
1	A1	8.420	795.0	353.33	351.11	----
2	A2	8.480	786.0	349.33		
3	A3	8.450	789.0	350.67		

SUBUDHI TECHNOENGINEERS PVT LTD TESTING LABORATORY

Engineer(Q.C.)

Subudhi Technoengineers Pvt. Ltd.

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Report No.: SA/PB/LAB/W-413/21-22/2213

Date: 18-06-2021

ANALYSIS REPORT ON CONCRETE CUBE

Name of the Client	:	Assistant Engineer-III (RW/SWM), Port Blair		
Name of the Agency	:	M/s Surendra Infrastructure (P) Ltd.		
Name of the Work	:	Marine Espande: Marina road restructure with uniform carriage way, walking track, street Lighting, street furniture,service core trenching and landscaping.		
Agreement No	:	01 (PBSPL) of 2020-2021		
Letter Ref. No	:	05-03-01/SE/EE-III/WKS/SWM/MC/2020-21/37(E)	**Date:**	10-06-2021
Nature of Test	:	Compressive Strength Test of Concrete Cubes.		
Sample received Date	:	17-06-2021	**Sample Code**	: SA/PB/LAB/21-22/413
Date of Sampling	:	17-06-2021	**Sampling Method**	: IS 516-1959
Date of Analysis	:	17-06-2021	**Date of Completion**	: 17-06-2021

ANALYSIS RESULTS

(AS PER IS: 456-2000)

Grade of Concrete	:	M-40	**Size of Concrete cube**	:	15cm x15cm x 15cm
Date of Cube Casting	:	10-06-2021	**Date of Cube Testing**	:	17-06-2021
Age of Concrete	:	07 Days	**Location**	:	Marina Park

Sl. No.	Cube Reference	Wt. of cube in kg.	Load in kN	Compressive strength in kg/cm^2	Avg. compressive strength in kg/cm^2	Reqd. Compressive Strength at 07 days in Kg/cm^2
1	A1	8.530	791.0	351.56	350.37	----
2	A2	8.600	779.0	346.22		
3	A3	8.580	795.0	353.33		

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Report No.: SA/PB/LAB/W-414/21-22/2216

Date: 21-06-2021

ANALYSIS REPORT ON CONCRETE CUBE

Name of the Client	:	Assistant Engineer-III (RW/SWM), Port Blair		
Name of the Agency	:	M/s Surendra Infrastructure (P) Ltd.		
Name of the Work	:	Marine Espande: Marina road restructure with uniform carriage way, walking track, street Lighting, street furniture,service core trenching and landscaping.		
Agreement No	:	01 (PBSPL) of 2020-2021		
Letter Ref. No	:	05-03-01/SE/EE-III/WKS/SWM/MC/2020-21/37(F)	**Date:**	12-06-2021
Nature of Test	:	Compressive Strength Test of Concrete Cubes.		
Sample received Date	:	19-06-2021	**Sample Code**	: SA/PB/LAB/21-22/414
Date of Sampling	:	19-06-2021	**Sampling Method**	: IS 516-1959
Date of Analysis	:	19-06-2021	**Date of Completion**	: 19-06-2021

ANALYSIS RESULTS

(AS PER IS: 456-2000)

Grade of Concrete	:	M-40	**Size of Concrete cube**	:	15cm x15cm x 15cm
Date of Cube Casting	:	12-06-2021	**Date of Cube Testing**	:	19-06-2021
Age of Concrete	:	07 Days	**Location**	:	Marina Park

Sl. No.	Cube Reference	Wt. of cube in kg.	Load in kN	Compressive strength in kg/cm²	Avg. compressive strength in kg/cm²	Reqd. Compressive Strength at 07 days in Kg/cm²
1	A1	8.630	806.0	358.22	353.93	----
2	A2	8.590	788.0	350.22		
3	A3	8.510	795.0	353.33		

SUBUDHI TECHNOENGINEERS PVT LTD TESTING LABORATORY

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Subudhi Technoengineers Pvt. Ltd.

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Report No.: SA/PB/LAB/W-85/21-22/2192-A **Date: 17-02-2021**

ANALYSIS REPORT ON CONCRETE CUBE

Name of the Client	:	Assistant Engineer-III (RW/SWM), Port Blair		
Name of the Agency	:	M/s Surendra Infrastructure (P) Ltd.		
Name of the Work	:	Marine Espande: Marina road restructure with uniform carriage way, walking track, street Lighting, street furniture,service core trenching and landscaping.		
Agreement No	:	01 (PBSPL) of 2020-2021		
Letter Ref. No	:	05-03-01/SE/EE-III/WKS/SWM/MC/2020-21/73	**Date:**	10-02-2021
Nature of Test	:	Compressive Strength Test of Concrete Cubes.		
Sample received Date	:	17-02-2021	**Sample Code**	: SA/PB/LAB/21-22/85
Date of Sampling	:	17-02-2021	**Sampling Method**	: IS 516-1959
Date of Analysis	:	17-02-2021	**Date of Completion**	: 17-02-2021

ANALYSIS RESULTS

(AS PER IS: 456-2000)

Grade of Concrete	:	M-25	**Size of Concrete cube**	:	15cm x15cm x 15cm
Date of Cube Casting	:	10-02-2021	**Date of Cube Testing**	:	17-02-2021
Age of Concrete	:	07 Days	**Location**	:	Seating bench raft & wall

Sl. No.	Cube Reference	Wt. of cube in kg.	Load in kN	Compressive strength in kg/cm²	Avg. compressive strength in kg/cm²	Reqd. Compressive Strength at 07 days in Kg/cm²
1	A1	8.320	541.0	240.44	238.67	
2	A2	8.360	532.0	236.44		
3	A3	8.340	538.0	239.11		

Engineer(Q.C.)

Subudhi Technoengineers Pvt. Ltd.
Authorized Signatory

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Report No.: SA/PB/LAB/W-84/21-22/2108-A **Date: 05-03-2021**

ANALYSIS REPORT ON CONCRETE CUBE

Name of the Client	:	Assistant Engineer-III (RW/SWM), Port Blair		
Name of the Agency	:	M/s Surendra Infrastructure (P) Ltd.		
Name of the Work	:	Marine Espande: Marina road restructure with uniform carriage way, walking track, street Lighting, street furniture,service core trenching and landscaping.		
Agreement No	:	01 (PBSPL) of 2020-2021		
Letter Ref. No	:	05-03-01/SE/EE-III/WKS/SWM/MC/2020-21/74(A)	**Date:**	26-02-2021
Nature of Test	:	Compressive Strength Test of Concrete Cubes.		
Sample received Date	:	05-03-2021	**Sample Code**	: SA/PB/LAB/21-22/84
Date of Sampling	:	05-03-2021	**Sampling Method**	: IS 516-1959
Date of Analysis	:	05-03-2021	**Date of Completion**	: 05-03-2021

ANALYSIS RESULTS

(AS PER IS: 456-2000)

Grade of Concrete	:	M-25	**Size of Concrete cube**	:	15cm x15cm x 15cm
Date of Cube Casting	:	26-02-2021	**Date of Cube Testing**	:	05-03-2021
Age of Concrete	:	07 Days	**Location**	:	RCC seating bench

Sl. No.	Cube Reference	Wt. of cube in kg.	Load in kN	Compressive strength in kg/cm²	Avg. compressive strength in kg/cm²	Reqd. Compressive Strength at 07 days in Kg/cm²
1	A1	8.280	523.0	232.44	235.41	
2	A2	8.360	537.0	238.67		
3	A3	8.390	529.0	235.11		

SUBUDHI TECHNOENGINEERS PVT. LTD. TESTING LABORATORY

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Report No.: SA/PB/LAB/W-83/21-22/2125-B **Date: 22-03-2021**

ANALYSIS REPORT ON CONCRETE CUBE

Name of the Client	:	Assistant Engineer-III (RW/SWM), Port Blair		
Name of the Agency	:	M/s Surendra Infrastructure (P) Ltd.		
Name of the Work	:	Marine Espande: Marina road restructure with uniform carriage way, walking track, street Lighting, street furniture,service core trenching and landscaping.		
Agreement No	:	01 (PBSPL) of 2020-2021		
Letter Ref. No	:	05-03-01/SE/EE-III/WKS/SWM/MC/2020-21/78(A)	**Date:**	15-03-2021
Nature of Test	:	Compressive Strength Test of Concrete Cubes.		
Sample received Date	:	22-03-2021	**Sample Code**	: SA/PB/LAB/21-22/83
Date of Sampling	:	22-03-2021	**Sampling Method**	: IS 516-1959
Date of Analysis	:	22-03-2021	**Date of Completion**	: 22-03-2021

ANALYSIS RESULTS

(AS PER IS: 456-2000)

Grade of Concrete	:	M-25	**Size of Concrete cube**	:	15cm x15cm x 15cm
Date of Cube Casting	:	15-03-2021	**Date of Cube Testing**	:	22-03-2021
Age of Concrete	:	07 Days	**Location**	:	RCC drain & duct

Sl. No.	Cube Reference	Wt. of cube in kg.	Load in kN	Compressive strength in kg/cm^2	Avg. compressive strength in kg/cm^2	Reqd. Compressive Strength at 07 days in Kg/cm^2
1	A1	8.330	548.0	243.56	240.30	----
2	A2	8.340	532.0	236.44		
3	A3	8.300	542.0	240.89		

SUBUDHI TECHNOENGINEERS PVT. LTD. TESTING LABORATORY

Engineer(Q.C.)

Subudhi Technoengineers Pvt. Ltd.

Authorized Signatory

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Report No.: SA/PB/LAB/W-82/21-22/2132-E **Date: 29-03-2021**

ANALYSIS REPORT ON CONCRETE CUBE

Name of the Client	:	Assistant Engineer-III (RW/SWM), Port Blair		
Name of the Agency	:	M/s Surendra Infrastructure (P) Ltd.		
Name of the Work	:	Marine Espande: Marina road restructure with uniform carriage way, walking track, street Lighting, street furniture,service core trenching and landscaping.		
Agreement No	:	01 (PBSPL) of 2020-2021		
Letter Ref. No	:	05-03-01/SE/EE-III/WKS/SWM/MC/2020-21/80	**Date:** 22-03-2021	
Nature of Test	:	Compressive Strength Test of Concrete Cubes.		
Sample received Date	:	29-03-2021	**Sample Code**	: SA/PB/LAB/21-22/82
Date of Sampling	:	29-03-2021	**Sampling Method**	: IS 516-1959
Date of Analysis	:	29-03-2021	**Date of Completion**	: 29-03-2021

ANALYSIS RESULTS

(AS PER IS: 456-2000)

Grade of Concrete	:	M-25	**Size of Concrete cube**	:	15cm x15cm x 15cm
Date of Cube Casting	:	22-03-2021	**Date of Cube Testing**	:	29-03-2021
Age of Concrete	:	07 Days	**Location**	:	RCC drain & duct

Sl. No.	Cube Reference	Wt. of cube in kg.	Load in kN	Compressive strength in kg/cm²	Avg. compressive strength in kg/cm²	Reqd. Compressive Strength at 07 days in Kg/cm²
1	A1	8.290	546.0	242.67	243.11	----
2	A2	8.350	557.0	247.56		
3	A3	8.310	538.0	239.11		

SUBUDHI TECHNOENGINEERS PVT. LTD. TESTING LABORATORY

Engineer(Q.C.)

Subudhi Technoengineers Pvt. Ltd.

Authorized Signatory

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Report No.: SA/PB/LAB/W-81/21-22/2133-J **Date: 30-03-2021**

ANALYSIS REPORT ON CONCRETE CUBE

Name of the Client	:	Assistant Engineer-III (RW/SWM), Port Blair		
Name of the Agency	:	M/s Surendra Infrastructure (P) Ltd.		
Name of the Work	:	Marine Espande: Marina road restructure with uniform carriage way, walking track, street Lighting, street furniture,service core trenching and landscaping.		
Agreement No	:	01 (PBSPL) of 2020-2021		
Letter Ref. No	:	05-03-01/SE/EE-III/WKS/SWM/MC/2020-21/81(A)	**Date:**	23-03-2021
Nature of Test	:	Compressive Strength Test of Concrete Cubes.		
Sample received Date	:	30-03-2021	**Sample Code**	: SA/PB/LAB/21-22/81
Date of Sampling	:	30-03-2021	**Sampling Method**	: IS 516-1959
Date of Analysis	:	30-03-2021	**Date of Completion** :	30-03-2021

ANALYSIS RESULTS

(AS PER IS: 456-2000)

Grade of Concrete	:	M-40	**Size of Concrete cube**	:	15cm x15cm x 15cm
Date of Cube Casting	:	23-03-2021	**Date of Cube Testing**	:	30-03-2021
Age of Concrete	:	07 Days	**Location**	:	RCC sea wall footing

Sl. No.	Cube Reference	Wt. of cube in kg.	Load in kN	Compressive strength in kg/cm²	Avg. compressive strength in kg/cm²	Reqd. Compressive Strength at 07 days in Kg/cm²
1	A1	8.320	820.0	364.44	358.67	----
2	A2	8.420	795.0	353.33		
3	A3	8.380	806.0	358.22		

Engineer(Q.C.)

Subudhi Technoengineers Pvt. Ltd.

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TECHNOENGINEERS PVT LTD
(Formerly M/s Subudhi Associates)

Report No.: SA/PB/LAB/W-80/21-22/2134-B **Date: 31-03-2021**

ANALYSIS REPORT ON CONCRETE CUBE

Name of the Client	:	Assistant Engineer-III (RW/SWM), Port Blair		
Name of the Agency	:	M/s Surendra Infrastructure (P) Ltd.		
Name of the Work	:	Marine Espande: Marina road restructure with uniform carriage way, walking track, street Lighting, street furniture,service core trenching and landscaping.		
Agreement No	:	01 (PBSPL) of 2020-2021		
Letter Ref. No	:	05-03-01/SE/EE-III/WKS/SWM/MC/2020-21/81(B)	**Date:**	24-03-2021
Nature of Test	:	Compressive Strength Test of Concrete Cubes.		
Sample received Date	:	31-03-2021	**Sample Code**	: SA/PB/LAB/21-22/80
Date of Sampling	:	31-03-2021	**Sampling Method**	: IS 516-1959
Date of Analysis	:	31-03-2021	**Date of Completion**	: 31-03-2021

ANALYSIS RESULTS

(AS PER IS: 456-2000)

Grade of Concrete	:	M-40	**Size of Concrete cube**	:	15cm x15cm x 15cm
Date of Cube Casting	:	24-03-2021	**Date of Cube Testing**	:	31-03-2021
Age of Concrete	:	07 Days	**Location**	:	RCC sea wall

Sl. No.	Cube Reference	Wt. of cube in kg.	Load in kN	Compressive strength in kg/cm^2	Avg. compressive strength in kg/cm^2	Reqd. Compressive Strength at 07 days in Kg/cm^2
1	A1	8.360	790.0	351.11	350.81	----
2	A2	8.450	783.0	348.00		
3	A3	8.430	795.0	353.33		

Engineer(Q.C.)

Subudhi Technoengineers Pvt. Ltd.

Authorized Signatory

Notes :
- Analysis is subject to the condition in which the sample is received at our Laboratory.
- Report cannot be used as evidence anywhere including Judiciary purpose without our prior Permission.
- Sample will be retained till one month from the date of sampling.

SUBUDHI
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Report No.: SA/PB/LAB/W-79/21-22/2137 **Date: 03-04-2021**

ANALYSIS REPORT ON CONCRETE CUBE

Name of the Client	:	Assistant Engineer-III (RW/SWM), Port Blair		
Name of the Agency	:	M/s Surendra Infrastructure (P) Ltd.		
Name of the Work	:	Marine Espande: Marina road restructure with uniform carriage way, walking track, street Lighting, street furniture,service core trenching and landscaping.		
Agreement No	:	01 (PBSPL) of 2020-2021		
Letter Ref. No	:	05-03-01/SE/EE-III/WKS/SWM/MC/2020-21/84(A)	**Date:**	27-03-2021
Nature of Test	:	Compressive Strength Test of Concrete Cubes.		
Sample received Date	:	03-04-2021	**Sample Code**	: SA/PB/LAB/21-22/79
Date of Sampling	:	03-04-2021	**Sampling Method**	: IS 516-1959
Date of Analysis	:	03-04-2021	**Date of Completion**	: 03-04-2021

ANALYSIS RESULTS

(AS PER IS: 456-2000)

Grade of Concrete	:	M-40	**Size of Concrete cube**	:	15cm x15cm x 15cm
Date of Cube Casting	:	27-03-2021	**Date of Cube Testing**	:	03-04-2021
Age of Concrete	:	07 Days	**Location**	:	RCC sea wall footing

Sl. No.	Cube Reference	Wt. of cube in kg.	Load in kN	Compressive strength in kg/cm²	Avg. compressive strength in kg/cm²	Reqd. Compressive Strength at 07 days in Kg/cm²
1	A1	8.360	771.0	342.67	345.78	----
2	A2	8.360	798.0	354.67		
3	A3	8.250	765.0	340.00		

SUBUDHI TECHNOENGINEERS PVT. LTD. MONDAL ROAD

Engineer(Q.C.)

Subudhi Technoengineers Pvt. Ltd.

Authorized Signatory

Notes :
- Analysis is subject to the condition in which the sample is received at our Laboratory.
- Report cannot be used as evidence anywhere including Judiciary purpose without our prior Permission.
- Sample will be retained till one month from the date of sampling.

SUBUDHI
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Report No.: SA/PB/LAB/W-78/21-22/2131-B **Date: 05-04-2021**

ANALYSIS REPORT ON CONCRETE CUBE

Name of the Client	:	Assistant Engineer-III (RW/SWM), Port Blair		
Name of the Agency	:	M/s Surendra Infrastructure (P) Ltd.		
Name of the Work	:	Marine Espande: Marina road restructure with uniform carriage way, walking track, street Lighting, street furniture,service core trenching and landscaping.		
Agreement No	:	01 (PBSPL) of 2020-2021		
Letter Ref. No	:	05-03-01/SE/EE-III/WKS/SWM/MC/2020-21/84(B)	**Date:**	28-03-2021
Nature of Test	:	Compressive Strength Test of Concrete Cubes.		
Sample received Date	:	04-04-2021	**Sample Code**	: SA/PB/LAB/21-22/78
Date of Sampling	:	04-04-2021	**Sampling Method**	: IS 516-1959
Date of Analysis	:	04-04-2021	**Date of Completion**	: 04-04-2021

ANALYSIS RESULTS

(AS PER IS: 456-2000)

Grade of Concrete	:	M-40	**Size of Concrete cube**	:	15cm x15cm x 15cm
Date of Cube Casting	:	28-03-2021	**Date of Cube Testing**	:	04-04-2021
Age of Concrete	:	07 Days	**Location**	:	RCC sea wall

Sl. No.	Cube Reference	Wt. of cube in kg.	Load in kN	Compressive strength in kg/cm²	Avg. compressive strength in kg/cm²	Reqd. Compressive Strength at 07 days in Kg/cm²
1	A1	8.310	803.0	356.89	356.00	----
2	A2	8.370	814.0	361.78		
3	A3	8.350	786.0	349.33		

SUBUDHI TECHNOENGINEERS PVT. LTD. TESTING LABORATORY

Engineer(Q.C.)

Subudhi Technoengineers Pvt. Ltd.

Authorized Signatory

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Report No.: SA/PB/LAB/W-77/21-22/2141-B **Date: 07-04-2021**

ANALYSIS REPORT ON CONCRETE CUBE

Name of the Client	:	Assistant Engineer-III (RW/SWM), Port Blair		
Name of the Agency	:	M/s Surendra Infrastructure (P) Ltd.		
Name of the Work	:	Marine Espande: Marina road restructure with uniform carriage way, walking track, street Lighting, street furniture,service core trenching and landscaping.		
Agreement No	:	01 (PBSPL) of 2020-2021		
Letter Ref. No	:	05-03-01/SE/EE-III/WKS/SWM/MC/2020-21/84(C)	**Date:**	31-03-2021
Nature of Test	:	Compressive Strength Test of Concrete Cubes.		
Sample received Date	:	07-04-2021	**Sample Code**	: SA/PB/LAB/21-22/77
Date of Sampling	:	07-04-2021	**Sampling Method**	: IS 516-1959
Date of Analysis	:	07-04-2021	**Date of Completion** :	07-04-2021

ANALYSIS RESULTS

(AS PER IS: 456-2000)

Grade of Concrete	:	M-40	**Size of Concrete cube**	:	15cm x15cm x 15cm
Date of Cube Casting	:	31-03-2021	**Date of Cube Testing**	:	07-04-2021
Age of Concrete	:	07 Days	**Location**	:	RCC sea wall footing

Sl. No.	Cube Reference	Wt. of cube in kg.	Load in kN	Compressive strength in kg/cm^2	Avg. compressive strength in kg/cm^2	Reqd. Compressive Strength at 07 days in Kg/cm^2
1	A1	8.400	768.0	341.33	349.63	----
2	A2	8.350	791.0	351.56		
3	A3	8.460	801.0	356.00		

SUBUDHI TECHNOENGINEERS PVT. LTD. TESTING LABORATORY

Engineer(Q.C.)

Subudhi Technoengineers Pvt. Ltd.

Authorized Signatory

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Report No.: SA/PB/LAB/W-76/21-22/2142-A

Date: 08-04-2021

ANALYSIS REPORT ON CONCRETE CUBE

Name of the Client	:	Assistant Engineer-III (RW/SWM), Port Blair		
Name of the Agency	:	M/s Surendra Infrastructure (P) Ltd.		
Name of the Work	:	Marine Espande: Marina road restructure with uniform carriage way, walking track, street Lighting, street furniture,service core trenching and landscaping.		
Agreement No	:	01 (PBSPL) of 2020-2021		
Letter Ref. No	:	05-03-01/SE/EE-III/WKS/SWM/MC/2020-21/84(D)	**Date:**	01-04-2021
Nature of Test	:	Compressive Strength Test of Concrete Cubes.		
Sample received Date	:	08-04-2021	**Sample Code**	: SA/PB/LAB/21-22/76
Date of Sampling	:	08-04-2021	**Sampling Method**	: IS 516-1959
Date of Analysis	:	08-04-2021	**Date of Completion**	: 08-04-2021

ANALYSIS RESULTS

(AS PER IS: 456-2000)

Grade of Concrete	:	M-40	**Size of Concrete cube**	:	15cm x15cm x 15cm
Date of Cube Casting	:	01-04-2021	**Date of Cube Testing**	:	08-04-2021
Age of Concrete	:	07 Days	**Location**	:	RCC sea wall

Sl. No.	Cube Reference	Wt. of cube in kg.	Load in kN	Compressive strength in kg/cm^2	Avg. compressive strength in kg/cm^2	Reqd. Compressive Strength at 07 days in Kg/cm^2
1	A1	8.320	803.0	356.89	354.22	----
2	A2	8.440	798.0	354.67		
3	A3	8.370	790.0	351.11		

SUBUDHI TECHNOENGINEERS PVT. LTD. SILVASSA

Engineer(Q.C.)

Subudhi Technoengineers Pvt. Ltd.

Authorized Signatory

Notes :

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Report No.: SA/PB/LAB/W-75/21-22/2146-B **Date: 12-04-2021**

ANALYSIS REPORT ON CONCRETE CUBE

Name of the Client	:	Assistant Engineer-III (RW/SWM), Port Blair		
Name of the Agency	:	M/s Surendra Infrastructure (P) Ltd.		
Name of the Work	:	Marine Espande: Marina road restructure with uniform carriage way, walking track, street Lighting, street furniture,service core trenching and landscaping.		
Agreement No	:	01 (PBSPL) of 2020-2021		
Letter Ref. No	:	05-03-01/SE/EE-III/WKS/SWM/MC/2020-21/84(C)	**Date:**	05-04-2021
Nature of Test	:	Compressive Strength Test of Concrete Cubes.		
Sample received Date	:	12-04-2021	**Sample Code**	: SA/PB/LAB/21-22/75
Date of Sampling	:	12-04-2021	**Sampling Method**	: IS 516-1959
Date of Analysis	:	12-04-2021	**Date of Completion**	: 12-04-2021

ANALYSIS RESULTS

(AS PER IS: 456-2000)

Grade of Concrete	:	M-40	**Size of Concrete cube**	:	15cm x15cm x 15cm
Date of Cube Casting	:	05-04-2021	**Date of Cube Testing**	:	12-04-2021
Age of Concrete	:	07 Days	**Location**	:	RCC sea wall footing

Sl. No.	Cube Reference	Wt. of cube in kg.	Load in kN	Compressive strength in kg/cm²	Avg. compressive strength in kg/cm²	Reqd. Compressive Strength at 07 days in Kg/cm²
1	A1	8.370	815.0	362.22	358.67	----
2	A2	8.420	800.0	355.56		
3	A3	8.360	806.0	358.22		

SUBUDHI TECHNOENGINEERS PVT. LTD. SOIL & MATERIAL LABORATORY

Engineer(Q.C.)

Subudhi Technoengineers Pvt. Ltd.

Authorized Signatory

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Report No.: SA/PB/LAB/W-74/21-22/2147-C **Date: 13-04-2021**

ANALYSIS REPORT ON CONCRETE CUBE

Name of the Client	:	Assistant Engineer-III (RW/SWM), Port Blair		
Name of the Agency	:	M/s Surendra Infrastructure (P) Ltd.		
Name of the Work	:	Marine Espande: Marina road restructure with uniform carriage way, walking track, street Lighting, street furniture,service core trenching and landscaping.		
Agreement No	:	01 (PBSPL) of 2020-2021		
Letter Ref. No	:	05-03-01/SE/EE-III/WKS/SWM/MC/2020-21/85(A)	**Date:**	06-04-2021
Nature of Test	:	Compressive Strength Test of Concrete Cubes.		
Sample received Date	:	13-04-2021	**Sample Code**	: SA/PB/LAB/21-22/74
Date of Sampling	:	13-04-2021	**Sampling Method**	: IS 516-1959
Date of Analysis	:	13-04-2021	**Date of Completion**	: 13-04-2021

ANALYSIS RESULTS

(AS PER IS: 456-2000)

Grade of Concrete	:	M-40	**Size of Concrete cube**	:	15cm x15cm x 15cm
Date of Cube Casting	:	06-04-2021	**Date of Cube Testing**	:	13-04-2021
Age of Concrete	:	07 Days	**Location**	:	RCC sea wall

Sl. No.	Cube Reference	Wt. of cube in kg.	Load in kN	Compressive strength in kg/cm²	Avg. compressive strength in kg/cm²	Reqd. Compressive Strength at 07 days in Kg/cm²
1	A1	8.470	811.0	360.44	355.85	----
2	A2	8.380	794.0	352.89		
3	A3	8.410	797.0	354.22		

SUBUDHI TECHNOENGINEERS PVT LTD TESTING LABORATORY

Engineer(Q.C.)

Subudhi Technoengineers Pvt. Ltd.

Authorized Signatory

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SUBUDHI
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(Formerly M/s Subudhi Associates)

Report No.: SA/PB/LAB/W-73/21-22/2149 **Date: 15-04-2021**

ANALYSIS REPORT ON CONCRETE CUBE

Name of the Client	:	Assistant Engineer-III (RW/SWM), Port Blair		
Name of the Agency	:	M/s Surendra Infrastructure (P) Ltd.		
Name of the Work	:	Marine Espande: Marina road restructure with uniform carriage way, walking track, street Lighting, street furniture,service core trenching and landscaping.		
Agreement No	:	01 (PBSPL) of 2020-2021		
Letter Ref. No	:	05-03-01/SE/EE-III/WKS/SWM/MC/2020-21/86(C)	**Date:**	08-04-2021
Nature of Test	:	Compressive Strength Test of Concrete Cubes.		
Sample received Date	:	15-04-2021	**Sample Code**	: SA/PB/LAB/21-22/73
Date of Sampling	:	15-04-2021	**Sampling Method**	: IS 516-1959
Date of Analysis	:	15-04-2021	**Date of Completion**	: 15-04-2021

ANALYSIS RESULTS

(AS PER IS: 456-2000)

Grade of Concrete	:	M-40	**Size of Concrete cube**	:	15cm x15cm x 15cm
Date of Cube Casting	:	08-04-2021	**Date of Cube Testing**	:	15-04-2021
Age of Concrete	:	07 Days	**Location**	:	RCC sea wall footing

Sl. No.	Cube Reference	Wt. of cube in kg.	Load in kN	Compressive strength in kg/cm²	Avg. compressive strength in kg/cm²	Reqd. Compressive Strength at 07 days in Kg/cm²
1	A1	8.390	769.0	341.78	350.96	----
2	A2	8.460	802.0	356.44		
3	A3	8.410	798.0	354.67		

SUBUDHI TECHNOENGINEERS PVT LTD. TESTING LABORATORY

Engineer(Q.C.)

Subudhi Technoengineers Pvt. Ltd.

Authorized Signatory

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Report No.: SA/PB/LAB/W-72/21-22/2150-A **Date: 16-04-2021**

ANALYSIS REPORT ON CONCRETE CUBE

Name of the Client	:	Assistant Engineer-III (RW/SWM), Port Blair		
Name of the Agency	:	M/s Surendra Infrastructure (P) Ltd.		
Name of the Work	:	Marine Espande: Marina road restructure with uniform carriage way, walking track, street Lighting, street furniture,service core trenching and landscaping.		
Agreement No	:	01 (PBSPL) of 2020-2021		
Letter Ref. No	:	05-03-01/SE/EE-III/WKS/SWM/MC/2020-21/85(A)	**Date:** 09-04-2021	
Nature of Test	:	Compressive Strength Test of Concrete Cubes.		
Sample received Date	:	16-04-2021	**Sample Code**	: SA/PB/LAB/21-22/72
Date of Sampling	:	16-04-2021	**Sampling Method**	: IS 516-1959
Date of Analysis	:	16-04-2021	**Date of Completion**	: 16-04-2021

ANALYSIS RESULTS

(AS PER IS: 456-2000)

Grade of Concrete	:	M-40	**Size of Concrete cube**	:	15cm x15cm x 15cm
Date of Cube Casting	:	09-04-2021	**Date of Cube Testing**	:	16-04-2021
Age of Concrete	:	07 Days	**Location**	:	RCC sea wall

Sl. No.	Cube Reference	Wt. of cube in kg.	Load in kN	Compressive strength in kg/cm²	Avg. compressive strength in kg/cm²	Reqd. Compressive Strength at 07 days in Kg/cm²
1	A1	8.340	798.0	354.67	350.81	----
2	A2	8.310	784.0	348.44		
3	A3	8.370	786.0	349.33		

SUBUDHI TECHNOENGINEERS PVT LTD. AGARTALA

Engineer(Q.C.)

Subudhi Technoengineers Pvt. Ltd.

Authorized Signatory

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SUBUDHI
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Report No.: SA/PB/LAB/W-71/21-22/2154

Date: 20-04-2021

ANALYSIS REPORT ON CONCRETE CUBE

Name of the Client	:	Assistant Engineer-III (RW/SWM), Port Blair		
Name of the Agency	:	M/s Surendra Infrastructure (P) Ltd.		
Name of the Work	:	Marine Espande: Marina road restructure with uniform carriage way, walking track, street Lighting, street furniture,service core trenching and landscaping.		
Agreement No	:	01 (PBSPL) of 2020-2021		
Letter Ref. No	:	05-03-01/SE/EE-III/WKS/SWM/MC/2020-21/85(B)	Date:	13-04-2021
Nature of Test	:	Compressive Strength Test of Concrete Cubes.		
Sample received Date	:	20-04-2021	Sample Code	: SA/PB/LAB/21-22/71
Date of Sampling	:	20-04-2021	Sampling Method	: IS 516-1959
Date of Analysis	:	20-04-2021	Date of Completion	: 20-04-2021

ANALYSIS RESULTS

(AS PER IS: 456-2000)

Grade of Concrete	:	M-40	Size of Concrete cube	:	15cm x15cm x 15cm
Date of Cube Casting	:	13-04-2021	Date of Cube Testing	:	20-04-2021
Age of Concrete	:	07 Days	Location	:	RCC sea wall footing

Sl. No.	Cube Reference	Wt. of cube in kg.	Load in kN	Compressive strength in kg/cm²	Avg. compressive strength in kg/cm²	Reqd. Compressive Strength at 07 days in Kg/cm²
1	A1	8.450	823.0	365.78	360.89	----
2	A2	8.430	804.0	357.33		
3	A3	8.340	809.0	359.56		

SUBUDHI TECHNOENGINEERS PVT. LTD. TESTING LABORATORY

Engineer(Q.C.)

Subudhi Technoengineers Pvt. Ltd.

Authorized Signatory

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SUBUDHI
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(Formerly M/s Subudhi Associates)

Report No.: SA/PB/LAB/W-70/21-22/2156-C

Date: 22-04-2021

ANALYSIS REPORT ON CONCRETE CUBE

Name of the Client	:	Assistant Engineer-III (RW/SWM), Port Blair		
Name of the Agency	:	M/s Surendra Infrastructure (P) Ltd.		
Name of the Work	:	Marine Espande: Marina road restructure with uniform carriage way, walking track, street Lighting, street furniture,service core trenching and landscaping.		
Agreement No	:	01 (PBSPL) of 2020-2021		
Letter Ref. No	:	05-03-01/SE/EE-III/WKS/SWM/MC/2020-21/85(C)	**Date:**	15-04-2021
Nature of Test	:	Compressive Strength Test of Concrete Cubes.		
Sample received Date	:	22-04-2021	**Sample Code**	: SA/PB/LAB/21-22/70
Date of Sampling	:	22-04-2021	**Sampling Method**	: IS 516-1959
Date of Analysis	:	22-04-2021	**Date of Completion**	: 22-04-2021

ANALYSIS RESULTS

(AS PER IS: 456-2000)

Grade of Concrete	:	M-40	**Size of Concrete cube**	:	15cm x15cm x 15cm
Date of Cube Casting	:	15-04-2021	**Date of Cube Testing**	:	22-04-2021
Age of Concrete	:	07 Days	**Location**	:	RCC sea wall

Sl. No.	Cube Reference	Wt. of cube in kg.	Load in kN	Compressive strength in kg/cm²	Avg. compressive strength in kg/cm²	Reqd. Compressive Strength at 07 days in Kg/cm²
1	A1	8.360	768.0	341.33	347.85	----
2	A2	8.400	789.0	350.67		
3	A3	8.360	791.0	351.56		

SUBUDHI TECHNOENGINEERS PVT. LTD. TESTING LABORATORY

Engineer(Q.C.)

Subudhi Technoengineers Pvt. Ltd.

Authorized Signatory

Notes:
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Report No.: SA/PB/LAB/W-69/21-22/2160-A

Date: 26-04-2021

ANALYSIS REPORT ON CONCRETE CUBE

Name of the Client	:	Assistant Engineer-III (RW/SWM), Port Blair		
Name of the Agency	:	M/s Surendra Infrastructure (P) Ltd.		
Name of the Work	:	Marine Espande: Marina road restructure with uniform carriage way, walking track, street Lighting, street furniture,service core trenching and landscaping.		
Agreement No	:	01 (PBSPL) of 2020-2021		
Letter Ref. No	:	05-03-01/SE/EE-III/WKS/SWM/MC/2020-21/86(D)	**Date:**	18-04-2021
Nature of Test	:	Compressive Strength Test of Concrete Cubes.		
Sample received Date	:	25-04-2021	**Sample Code**	: SA/PB/LAB/21-22/69
Date of Sampling	:	25-04-2021	**Sampling Method**	: IS 516-1959
Date of Analysis	:	25-04-2021	**Date of Completion**	: 25-04-2021

ANALYSIS RESULTS

(AS PER IS: 456-2000)

Grade of Concrete	:	M-40	**Size of Concrete cube**	:	15cm x15cm x 15cm
Date of Cube Casting	:	18-04-2021	**Date of Cube Testing**	:	25-04-2021
Age of Concrete	:	07 Days	**Location**	:	RCC sea wall footing

Sl. No.	Cube Reference	Wt. of cube in kg.	Load in kN	Compressive strength in kg/cm²	Avg. compressive strength in kg/cm²	Reqd. Compressive Strength at 07 days in Kg/cm²
1	A1	8.310	798.0	354.67	349.19	----
2	A2	8.290	775.0	344.44		
3	A3	8.370	784.0	348.44		

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Subudhi Technoengineers Pvt. Ltd.

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Report No.: SA/PB/LAB/W-68/21-22/2160

Date: 26-04-2021

ANALYSIS REPORT ON CONCRETE CUBE

Name of the Client	:	Assistant Engineer-III (RW/SWM), Port Blair		
Name of the Agency	:	M/s Surendra Infrastructure (P) Ltd.		
Name of the Work	:	Marine Espande: Marina road restructure with uniform carriage way, walking track, street Lighting, street furniture,service core trenching and landscaping.		
Agreement No	:	01 (PBSPL) of 2020-2021		
Letter Ref. No	:	05-03-01/SE/EE-III/WKS/SWM/MC/2020-21/86(F)	**Date:**	19-04-2021
Nature of Test	:	Compressive Strength Test of Concrete Cubes.		
Sample received Date	:	26-04-2021	**Sample Code**	: SA/PB/LAB/21-22/68
Date of Sampling	:	26-04-2021	**Sampling Method**	: IS 516-1959
Date of Analysis	:	26-04-2021	**Date of Completion**	: 26-04-2021

ANALYSIS RESULTS

(AS PER IS: 456-2000)

Grade of Concrete	:	M-40	**Size of Concrete cube**	:	15cm x15cm x 15cm
Date of Cube Casting	:	19-04-2021	**Date of Cube Testing**	:	26-04-2021
Age of Concrete	:	07 Days	**Location**	:	RCC sea wall

Sl. No.	Cube Reference	Wt. of cube in kg.	Load in kN	Compressive strength in kg/cm²	Avg. compressive strength in kg/cm²	Reqd. Compressive Strength at 07 days in Kg/cm²
1	A1	8.350	801.0	356.00	355.41	----
2	A2	8.360	812.0	360.89		
3	A3	8.380	786.0	349.33		

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Subudhi Technoengineers Pvt. Ltd.

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Report No.: SA/PB/LAB/W-67/21-22/2164-A **Date: 30-04-2021**

ANALYSIS REPORT ON CONCRETE CUBE

Name of the Client	:	Assistant Engineer-III (RW/SWM), Port Blair		
Name of the Agency	:	M/s Surendra Infrastructure (P) Ltd.		
Name of the Work	:	Marine Espande: Marina road restructure with uniform carriage way, walking track, street Lighting, street furniture,service core trenching and landscaping.		
Agreement No	:	01 (PBSPL) of 2020-2021		
Letter Ref. No	:	05-03-01/SE/EE-III/WKS/SWM/MC/2020-21/86(G)	**Date:**	23-04-2021
Nature of Test	:	Compressive Strength Test of Concrete Cubes.		
Sample received Date	:	30-04-2021	**Sample Code**	: SA/PB/LAB/21-22/67
Date of Sampling	:	30-04-2021	**Sampling Method**	: IS 516-1959
Date of Analysis	:	30-04-2021	**Date of Completion**	: 30-04-2021

ANALYSIS RESULTS

(AS PER IS: 456-2000)

Grade of Concrete	:	M-40	**Size of Concrete cube**	:	15cm x15cm x 15cm
Date of Cube Casting	:	23-04-2021	**Date of Cube Testing**	:	30-04-2021
Age of Concrete	:	07 Days	**Location**	:	RCC sea wall footing

Sl. No.	Cube Reference	Wt. of cube in kg.	Load in kN	Compressive strength in kg/cm²	Avg. compressive strength in kg/cm²	Reqd. Compressive Strength at 07 days in Kg/cm²
1	A1	8.420	785.0	348.89	348.89	----
2	A2	8.400	794.0	352.89		
3	A3	8.320	776.0	344.89		

SUBUDHI TECHNOENGINEERS PVT. LTD. TESTING LABORATORY

Engineer(Q.C.)

Subudhi Technoengineers Pvt. Ltd.
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Report No.: SA/PB/LAB/W-66/21-22/2165-A **Date: 01-05-2021**

ANALYSIS REPORT ON CONCRETE CUBE

Name of the Client	:	Assistant Engineer-III (RW/SWM), Port Blair		
Name of the Agency	:	M/s Surendra Infrastructure (P) Ltd.		
Name of the Work	:	Marine Espande: Marina road restructure with uniform carriage way, walking track, street Lighting, street furniture,service core trenching and landscaping.		
Agreement No	:	01 (PBSPL) of 2020-2021		
Letter Ref. No	:	05-03-01/SE/EE-III/WKS/SWM/MC/2020-21/86(H)	**Date:**	24-04-2021
Nature of Test	:	Compressive Strength Test of Concrete Cubes.		
Sample received Date	:	01-05-2021	**Sample Code**	: SA/PB/LAB/21-22/66
Date of Sampling	:	01-05-2021	**Sampling Method**	: IS 516-1959
Date of Analysis	:	01-05-2021	**Date of Completion**	: 01-05-2021

ANALYSIS RESULTS

(AS PER IS: 456-2000)

Grade of Concrete	:	M-40	**Size of Concrete cube**	:	15cm x15cm x 15cm
Date of Cube Casting	:	24-04-2021	**Date of Cube Testing**	:	01-05-2021
Age of Concrete	:	07 Days	**Location**	:	RCC sea wall

Sl. No.	Cube Reference	Wt. of cube in kg.	Load in kN	Compressive strength in kg/cm²	Avg. compressive strength in kg/cm²	Reqd. Compressive Strength at 07 days in Kg/cm²
1	A1	8.340	814.0	361.78	358.07	----
2	A2	8.370	798.0	354.67		
3	A3	8.390	805.0	357.78		

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Report No.: SA/PB/LAB/W-645/21-22/2261-I

SUBUDHI
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(Formerly M/s Subudhi Associates)
Date: 05-08-2021

ANALYSIS REPORT ON CONCRETE CUBE

Name of the Client	:	Assistant Engineer-III (RW/SWM), Port Blair		
Name of the Agency	:	M/s Surendra Infrastructure (P) Ltd.		
Name of the Work	:	Marine Espande: Marina road restructure with uniform carriage way, walking track, street Lighting, street furniture,service core trenching and landscaping.		
Agreement No	:	01 (PBSPL) of 2020-2021		
Letter Ref. No	:	05-03-01/SE/EE-III/WKS/SWM/MC/2021-22/18		
Nature of Test	:	Compressive Strength Test of Concrete Cubes.	**Date:**	29-07-2021
Sample received Date	:	05-08-2021	**Sample Code**	: SA/PB/LAB/21-22/645
Date of Sampling	:	05-08-2021	**Sampling Method**	: IS 516-1959
Date of Analysis	:	05-08-2021	**Date of Completion**	: 05-08-2021

ANALYSIS RESULTS
(AS PER IS: 456-2000)

Grade of Concrete	:	M-40	**Size of Concrete cube**	:	15cm x15cm x 15cm
Date of Cube Casting	:	29-07-2021	**Date of Cube Testing**	:	05-08-2021
Age of Concrete	:	07 Days	**Location**	:	RCC sea wall

Sl. No.	Cube Reference	Wt. of cube in kg.	Load in kN	Compressive strength in kg/cm²	Avg. compressive strength in kg/cm²	Reqd. Compressive Strength at 07 days in Kg/cm²
1	A1	8.370	790.0	351.11	346.81	----
2	A2	8.450	779.0	346.22		
3	A3	8.420	772.0	343.11		

SUBUDHI TECHNOENGINEERS PVT LTD TESTING LABORATORY

Engineer (Q.C.)

Subudhi Technoengineers Pvt. Ltd.

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Report No.: SA/PB/LAB/W-644/21-22/2274-A

Date: 18-08-2021

ANALYSIS REPORT ON CONCRETE CUBE

Name of the Client	:	Assistant Engineer-III (RW/SWM), Port Blair		
Name of the Agency	:	M/s Surendra Infrastructure (P) Ltd.		
Name of the Work	:	Marine Espande: Marina road restructure with uniform carriage way, walking track, street Lighting, street furniture,service core trenching and landscaping.		
Agreement No	:	01 (PBSPL) of 2020-2021		
Letter Ref. No	:	05-03-01/SE/EE-III/WKS/SWM/MC/2021-22/21(A)	**Date:**	10-08-2021
Nature of Test	:	Compressive Strength Test of Concrete Cubes.		
Sample received Date	:	17-08-2021	**Sample Code**	: SA/PB/LAB/21-22/644
Date of Sampling	:	17-08-2021	**Sampling Method**	: IS 516-1959
Date of Analysis	:	17-08-2021	**Date of Completion**	: 17-08-2021

ANALYSIS RESULTS
(AS PER IS: 456-2000)

Grade of Concrete	:	M-40	**Size of Concrete cube**	:	15cm x15cm x 15cm
Date of Cube Casting	:	10-08-2021	**Date of Cube Testing**	:	17-08-2021
Age of Concrete	:	07 Days	**Location**	:	RCC sea wall

Sl. No.	Cube Reference	Wt. of cube in kg.	Load in kN	Compressive strength in kg/cm²	Avg. compressive strength in kg/cm²	Reqd. Compressive Strength at 07 days in Kg/cm²
1	A1	8.510	779.0	346.22	344.15	----
2	A2	8.420	781.0	347.11		
3	A3	8.460	763.0	339.11		

Engineer (Q.C.)

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Report No.: SA/PB/LAB/W-643/21-22/2276-C

Date: 20-08-2021

ANALYSIS REPORT ON CONCRETE CUBE

Name of the Client	:	Assistant Engineer-III (RW/SWM), Port Blair		
Name of the Agency	:	M/s Surendra Infrastructure (P) Ltd.		
Name of the Work	:	Marine Espande: Marina road restructure with uniform carriage way, walking track, street Lighting, street furniture,service core trenching and landscaping.		
Agreement No	:	01 (PBSPL) of 2020-2021		
Letter Ref. No	:	05-03-01/SE/EE-III/WKS/SWM/MC/2021-22/22	**Date:**	12-08-2021
Nature of Test	:	Compressive Strength Test of Concrete Cubes.		
Sample received Date	:	19-08-2021	**Sample Code**	: SA/PB/LAB/21-22/643
Date of Sampling	:	19-08-2021	**Sampling Method**	: IS 516-1959
Date of Analysis	:	19-08-2021	**Date of Completion**	: 19-08-2021

ANALYSIS RESULTS

(AS PER IS: 456-2000)

Grade of Concrete	:	M-40	**Size of Concrete cube**	:	15cm x15cm x 15cm
Date of Cube Casting	:	12-08-2021	**Date of Cube Testing**	:	19-08-2021
Age of Concrete	:	07 Days	**Location**	:	RCC sea wall

Sl. No.	Cube Reference	Wt. of cube in kg.	Load in kN	Compressive strength in kg/cm^2	Avg. compressive strength in kg/cm^2	Reqd. Compressive Strength at 07 days in Kg/cm^2
1	A1	8.480	786.0	349.33	346.81	----
2	A2	8.480	779.0	346.22		
3	A3	8.430	776.0	344.89		

SUBUDHI TECHNOENGINEERS PVT. LTD. TESTING LAB

Engineer(Q.C.)

Subudhi Technoengineers Pvt. Ltd.

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Report No.: SA/PB/LAB/W-642/21-22/2279-E

Date: 23-08-2021

ANALYSIS REPORT ON CONCRETE CUBE

Name of the Client	:	Assistant Engineer-III (RW/SWM), Port Blair
Name of the Agency	:	M/s Surendra Infrastructure (P) Ltd.
Name of the Work	:	Marine Espande: Marina road restructure with uniform carriage way, walking track, street Lighting, street furniture,service core trenching and landscaping.
Agreement No	:	01 (PBSPL) of 2020-2021 **Date:** 14-08-2021
Letter Ref. No	:	05-03-01/SE/EE-III/WKS/SWM/MC/2021-22/23
Nature of Test	:	Compressive Strength Test of Concrete Cubes. **Sample Code** : SA/PB/LAB/21-22/642
Sample received Date	:	21-08-2021 **Sampling Method** : IS 516-1959
Date of Sampling	:	21-08-2021 **Date of Completion** : 21-08-2021
Date of Analysis	:	21-08-2021

ANALYSIS RESULTS
(AS PER IS: 456-2000)

Grade of Concrete	:	M-40	**Size of Concrete cube**	:	15cm x15cm x 15cm
Date of Cube Casting	:	14-08-2021	**Date of Cube Testing**	:	21-08-2021
Age of Concrete	:	07 Days	**Location**	:	RCC sea wall

Sl. No.	Cube Reference	Wt. of cube in kg.	Load in kN	Compressive strength in kg/cm^2	Avg. compressive strength in kg/cm^2	Reqd. Compressive Strength at 07 days in Kg/cm^2
1	A1	8.490	793.0	352.44	346.81	----
2	A2	8.420	768.0	341.33		
3	A3	8.450	780.0	346.67		

SUBUDHI TECHNOENGINEERS PVT. LTD. TESTING LABORATORY

Engineer (Q.C.)

Subudhi Technoengineers Pvt. Ltd.

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Report No.: SA/PB/LAB/W-641/21-22/2288-A

Date: 01-09-2021

ANALYSIS REPORT ON CONCRETE CUBE

Name of the Client	:	Assistant Engineer-III (RW/SWM), Port Blair
Name of the Agency	:	M/s Surendra Infrastructure (P) Ltd.
Name of the Work	:	Marine Espande: Marina road restructure with uniform carriage way, walking track, street Lighting, street furniture,service core trenching and landscaping.
Agreement No	:	01 (PBSPL) of 2020-2021
Letter Ref. No	:	05-03-01/SE/EE-III/WKS/SWM/MC/2021-22/29 **Date:** 24-08-2021
Nature of Test	:	Compressive Strength Test of Concrete Cubes.
Sample received Date	:	31-08-2021 **Sample Code** : SA/PB/LAB/21-22/641
Date of Sampling	:	31-08-2021 **Sampling Method** : IS 516-1959
Date of Analysis	:	31-08-2021 **Date of Completion** : 31-08-2021

ANALYSIS RESULTS
(AS PER IS: 456-2000)

Grade of Concrete	:	M-40	**Size of Concrete cube**	:	15cm x15cm x 15cm
Date of Cube Casting	:	24-08-2021	**Date of Cube Testing**	:	31-08-2021
Age of Concrete	:	07 Days	**Location**	:	RCC sea wall

Sl. No.	Cube Reference	Wt. of cube in kg.	Load in kN	Compressive strength in kg/cm²	Avg. compressive strength in kg/cm²	Reqd. Compressive Strength at 07 days in Kg/cm²
1	A1	8.500	783.0	348.00	348.74	----
2	A2	8.420	779.0	346.22		
3	A3	8.470	792.0	352.00		

SUBUDHI TECHNOENGINEERS PVT. LTD. TESTING LABORATORY

Engineer(Q.C.)

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Report No.: SA/PB/LAB/W-640/21-22/2293-B

Date: 06-09-2021

ANALYSIS REPORT ON CONCRETE CUBE

Name of the Client	:	Assistant Engineer-III (RW/SWM), Port Blair
Name of the Agency	:	M/s Surendra Infrastructure (P) Ltd.
Name of the Work	:	Marine Espande: Marina road restructure with uniform carriage way, walking track, street Lighting, street furniture,service core trenching and landscaping.
Agreement No	:	01 (PBSPL) of 2020-2021
Letter Ref. No	:	05-03-01/SE/EE-III/WKS/SWM/MC/2021-22/28 **Date:** 28-08-2021
Nature of Test	:	Compressive Strength Test of Concrete Cubes.
Sample received Date	:	04-09-2021 **Sample Code** : SA/PB/LAB/21-22/640
Date of Sampling	:	04-09-2021 **Sampling Method** : IS 516-1959
Date of Analysis	:	04-09-2021 **Date of Completion** : 04-09-2021

ANALYSIS RESULTS
(AS PER IS: 456-2000)

Grade of Concrete	:	M-40	Size of Concrete cube	:	15cm x15cm x 15cm
Date of Cube Casting	:	28-08-2021	Date of Cube Testing	:	04-09-2021
Age of Concrete	:	07 Days	Location	:	RCC sea wall

Sl. No.	Cube Reference	Wt. of cube in kg.	Load in kN	Compressive strength in kg/cm²	Avg. compressive strength in kg/cm²	Reqd. Compressive Strength at 07 days in Kg/cm²
1	A1	8.420	777.0	345.33	344.89	----
2	A2	8.460	783.0	348.00		
3	A3	8.450	768.0	341.33		

SUBUDHI TECHNOENGINEERS PVT. LTD. TESTING LABORATORY

Engineer(Q.C.)

Subudhi Technoengineers Pvt. Ltd.

Authorized Signatory

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Report No.: SA/PB/LAB/W-639/21-22/2299 Date: 12-09-2021

ANALYSIS REPORT ON CONCRETE CUBE

Name of the Client	:	Assistant Engineer-III (RW/SWM), Port Blair		
Name of the Agency	:	M/s Surendra Infrastructure (P) Ltd.		
Name of the Work	:	Marine Espande: Marina road restructure with uniform carriage way, walking track, street Lighting, street furniture,service core trenching and landscaping.		
Agreement No	:	01 (PBSPL) of 2020-2021	**Date:**	04-09-2021
Letter Ref. No	:	05-03-01/SE/EE-III/WKS/SWM/MC/2021-22/30		
Nature of Test	:	Compressive Strength Test of Concrete Cubes.	**Sample Code**	: SA/PB/LAB/21-22/639
Sample received Date	:	11-09-2021	**Sampling Method**	: IS 516-1959
Date of Sampling	:	11-09-2021	**Date of Completion**	: 11-09-2021
Date of Analysis	:	11-09-2021		

ANALYSIS RESULTS
(AS PER IS: 456-2000)

Grade of Concrete	:	M-40	**Size of Concrete cube**	:	15cm x15cm x 15cm
Date of Cube Casting	:	04-09-2021	**Date of Cube Testing**	:	11-09-2021
Age of Concrete	:	07 Days	**Location**	:	RCC sea wall

Sl. No.	Cube Reference	Wt. of cube in kg.	Load in kN	Compressive strength in kg/cm²	Avg. compressive strength in kg/cm²	Reqd. Compressive Strength at 07 days in Kg/cm²
1	A1	8.450	793.0	352.44	349.33	----
2	A2	8.390	785.0	348.89		
3	A3	8.480	780.0	346.67		

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Engineer(Q.C.)

Subudhi Technoengineers Pvt. Ltd.

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Report No.: SA/PB/LAB/W-638/21-22/2302

Date: 15-09-2021

ANALYSIS REPORT ON CONCRETE CUBE

Name of the Client	:	Assistant Engineer-III (RW/SWM), Port Blair
Name of the Agency	:	M/s Surendra Infrastructure (P) Ltd.
Name of the Work	:	Marine Espande: Marina road restructure with uniform carriage way, walking track, street Lighting, street furniture,service core trenching and landscaping.
Agreement No	:	01 (PBSPL) of 2020-2021 **Date:** 07-09-2021
Letter Ref. No	:	05-03-01/SE/EE-III/WKS/SWM/MC/2021-22/32(A)
Nature of Test	:	Compressive Strength Test of Concrete Cubes.
Sample received Date	:	14-09-2021 **Sample Code** : SA/PB/LAB/21-22/638
Date of Sampling	:	14-09-2021 **Sampling Method** : IS 516-1959
Date of Analysis	:	14-09-2021 **Date of Completion** : 14-09-2021

ANALYSIS RESULTS
(AS PER IS: 456-2000)

Grade of Concrete	:	M-40	**Size of Concrete cube**	:	15cm x15cm x 15cm
Date of Cube Casting	:	07-09-2021	**Date of Cube Testing**	:	14-09-2021
Age of Concrete	:	07 Days	**Location**	:	RCC sea wall

Sl. No.	Cube Reference	Wt. of cube in kg.	Load in kN	Compressive strength in kg/cm^2	Avg. compressive strength in kg/cm^2	Reqd. Compressive Strength at 07 days in Kg/cm^2
1	A1	8.430	781.0	347.11	346.52	----
2	A2	8.410	786.0	349.33		
3	A3	8.460	772.0	343.11		

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Report No.: SA/PB/LAB/W-637/21-22/2307-A

Date: 20-09-2021

ANALYSIS REPORT ON CONCRETE CUBE

Name of the Client	:	Assistant Engineer-III (RW/SWM), Port Blair
Name of the Agency	:	M/s Surendra Infrastructure (P) Ltd.
Name of the Work	:	Marine Espande: Marina road restructure with uniform carriage way, walking track, street Lighting, street furniture,service core trenching and landscaping.
Agreement No	:	01 (PBSPL) of 2020-2021
Letter Ref. No	:	05-03-01/SE/EE-III/WKS/SWM/MC/2021-22/38(A) **Date:** 12-09-2021
Nature of Test	:	Compressive Strength Test of Concrete Cubes.
Sample received Date	:	19-09-2021 **Sample Code** : SA/PB/LAB/21-22/637
Date of Sampling	:	19-09-2021 **Sampling Method** : IS 516-1959
Date of Analysis	:	19-09-2021 **Date of Completion** : 19-09-2021

ANALYSIS RESULTS
(AS PER IS: 456-2000)

Grade of Concrete	:	M-40	**Size of Concrete cube**	:	15cm x15cm x 15cm
Date of Cube Casting	:	12-09-2021	**Date of Cube Testing**	:	19-09-2021
Age of Concrete	:	07 Days	**Location**	:	RCC sea wall

Sl. No.	Cube Reference	Wt. of cube in kg.	Load in kN	Compressive strength in kg/cm²	Avg. compressive strength in kg/cm²	Reqd. Compressive Strength at 07 days in Kg/cm²
1	A1	8.510	768.0	341.33	345.19	----
2	A2	8.440	789.0	350.67		
3	A3	8.490	773.0	343.56		

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Report Issue No.: SA/PB/LAB/W-1013/21-22/2382-F **Date: 04-12-2021**

ANALYSIS REPORT ON CONCRETE CUBE

Name of the Client	:	Assistant Engineer-III (RW/SWM), Port Blair.			
Name of the Agency	:	M/s Surendra Infrastructure (P) Ltd.			
Name of the Work	:	Marine Espande: Marina road restructure with uniform carriage way, walking track, street lighting, street furniture, service core trenching and landscaping.			
Agreement No	:	01 (PBSPL) of 2020-2021			
Letter Ref. No	:	05-03-01/SE/EE-III/WKS/SWM/MC/2021-22/(B)	**Date:** 26-11-2021		
Nature of Test	:	Compressive Strength Test of Concrete Cubes.			
Sample received Date	:	03-12-2021	**Sample Code**	:	SA/PB/LAB/21-22/1013
Date of Sampling	:	03-12-2021	**Sampling Method**	:	IS 516-1959
Date of Analysis	:	03-12-2021	**Date of Completion**	:	03-12-2021

ANALYSIS RESULTS

(AS PER IS: 456-2000)

Grade of Concrete	:	M-25	**Size of Concrete cube**	:	15cm x 15cm x 15cm
Date of Cube Casting	:	26-11-2021	**Date of Cube Testing**	:	03-12-2021
Age of Concrete	:	07 Days	**Location**	:	Deck slab for footpath

Sl. No.	Cube Reference	Wt. of cube in kg.	Load in kN	Compressive strength in kg/cm²	Avg. compressive strength in kg/cm²	Reqd. Compressive Strength at 07 days in Kg/cm²
1	A1	8.280	520.0	231.11	235.85	----
2	A2	8.560	540.0	240.00		
3	A3	8.350	532.0	236.44		

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Report Issue No.: SA/PB/LAB/W-1014/21-22/2386-J **Date: 08-12-2021**

ANALYSIS REPORT ON CONCRETE CUBE

Name of the Client	:	Assistant Engineer-III (RW/SWM), Port Blair.			
Name of the Agency	:	M/s Surendra Infrastructure (P) Ltd.			
Name of the Work	:	Marine Espande: Marina road restructure with uniform carriage way, walking track, street lighting, street furniture, service core trenching and landscaping.			
Agreement No	:	01 (PBSPL) of 2020-2021			
Letter Ref. No	:	05-03-01/SE/EE-III/WKS/SWM/MC/2021-22/(A)	**Date:** 30-11-2021		
Nature of Test	:	Compressive Strength Test of Concrete Cubes.			
Sample received Date	:	07-12-2021	**Sample Code**	:	SA/PB/LAB/21-22/1014
Date of Sampling	:	07-12-2021	**Sampling Method**	:	IS 516-1959
Date of Analysis	:	07-12-2021	**Date of Completion**	:	07-12-2021

ANALYSIS RESULTS

(AS PER IS: 456-2000)

Grade of Concrete	:	M-25	**Size of Concrete cube**	:	15cm x 15cm x 15cm
Date of Cube Casting	:	30-11-2021	**Date of Cube Testing**	:	07-12-2021
Age of Concrete	:	07 Days	**Location**	:	Deck slab for footpath

Sl. No.	Cube Reference	Wt. of cube in kg.	Load in kN	Compressive strength in kg/cm²	Avg. compressive strength in kg/cm²	Reqd. Compressive Strength at 07 days in Kg/cm²
1	A1	8.440	530.0	235.56	240.30	----
2	A2	8.500	553.0	245.78		
3	A3	8.560	539.0	239.56		

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Report Issue No.: SA/PB/LAB/W-92/21-22/2478-D **Date: 10-03-2022**

ANALYSIS REPORT ON CONCRETE CUBE

Name of the Client	:	Assistant Engineer-III (RW/SWM), Port Blair.			
Name of the Agency	:	M/s Surendra Infrastructure (P) Ltd.			
Name of the Work	:	Marine Esplanade: Marina road restructure with uniform carriage way, walking track, street lighting, street furniture, service core trenching and landscaping.			
Agreement No	:	01 (PBSPL) of 2020-2021			
Letter Ref. No	:	05-03-01/SE/EE-III/WKS/SWM/MC/2021-22/118	**Date:** 02-03-2022		
Nature of Test	:	Compressive Strength Test of Concrete Cubes.			
Sample received Date	:	09-03-2022	**Sample Code**	:	SA/PB/LAB/21-22/92
Date of Sampling	:	09-03-2022	**Sampling Method**	:	IS 516-1959
Date of Analysis	:	09-03-2022	**Date of Completion**	:	09-03-2022

ANALYSIS RESULTS

(AS PER IS: 456-2000)

Grade of Concrete	:	M-25	**Size of Concrete cube**	:	15cm x 15cm x 15cm
Date of Cube Casting	:	02-03-2022	**Date of Cube Testing**	:	09-03-2022
Age of Concrete	:	07 Days	**Location**	:	Footpath

Sl. No.	Cube Reference	Wt. of cube in kg.	Load in kN	Compressive strength in kg/cm^2	Avg. compressive strength in kg/cm^2	Reqd. Compressive Strength at 07 days in Kg/cm^2
1	A1	8.370	508.0	225.78	230.07	----
2	A2	8.510	529.0	235.11		
3	A3	8.450	516.0	229.33		

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Report Issue No.: SA/PB/LAB/W-1183/21-22/2447-C

Date: 07-02-2022

ANALYSIS REPORT ON CONCRETE CUBE

Name of the Client	:	Assistant Engineer-III (RW/SWM), Port Blair.
Name of the Agency	:	M/s Surendra Infrastructure (P) Ltd.
Name of the Work	:	Marine Esplanade: Marina road restructure with uniform carriage way, walking track, street lighting, street furniture, service core trenching and landscaping.
Agreement No	:	01 (PBSPL) of 2020-2021
Letter Ref. No	:	05-03-01/SE/EE-III/WKS/SWM/MC/2021-22/91(A) **Date:** 29-01-2022
Nature of Test	:	Compressive Strength Test of Concrete Cubes.
Sample received Date	:	05-02-2022 **Sample Code** : SA/PB/LAB/21-22/1183
Date of Sampling	:	05-02-2022 **Sampling Method** : IS 516-1959
Date of Analysis	:	05-02-2022 **Date of Completion** : 05-02-2022

ANALYSIS RESULTS

(AS PER IS: 456-2000)

Grade of Concrete	:	M-40	**Size of Concrete cube**	:	15cm x 15cm x 15cm
Date of Cube Casting	:	29-01-2022	**Date of Cube Testing**	:	05-02-2022
Age of Concrete	:	07 Days	**Location**	:	Sea Wall

Sl. No.	Cube Reference	Wt. of cube in kg.	Load in kN	Compressive strength in kg/cm²	Avg. compressive strength in kg/cm²	Reqd. Compressive Strength at 07 days in Kg/cm²
1	A1	8.360	810.0	360.00	354.67	----
2	A2	8.480	788.0	350.22		
3	A3	8.320	796.0	353.78		

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Report Issue No.: SA/PB/LAB/W-1184/21-22/2448-A

Date: 08-02-2022

ANALYSIS REPORT ON CONCRETE CUBE

Name of the Client	:	Assistant Engineer-III (RW/SWM), Port Blair.
Name of the Agency	:	M/s Surendra Infrastructure (P) Ltd.
Name of the Work	:	Marine Esplanade: Marina road restructure with uniform carriage way, walking track, street lighting, street furniture, service core trenching and landscaping.
Agreement No	:	01 (PBSPL) of 2020-2021
Letter Ref. No	:	05-03-01/SE/EE-III/WKS/SWM/MC/2021-22/91(B) **Date:** 31-01-2022
Nature of Test	:	Compressive Strength Test of Concrete Cubes.
Sample received Date	:	07-02-2022 **Sample Code** : SA/PB/LAB/21-22/1184
Date of Sampling	:	07-02-2022 **Sampling Method** : IS 516-1959
Date of Analysis	:	07-02-2022 **Date of Completion** : 07-02-2022

ANALYSIS RESULTS
(AS PER IS: 456-2000)

Grade of Concrete	:	M-40	**Size of Concrete cube**	:	15cm x 15cm x 15cm
Date of Cube Casting	:	31-01-2022	**Date of Cube Testing**	:	07-02-2022
Age of Concrete	:	07 Days	**Location**	:	Sea Wall

Sl. No.	Cube Reference	Wt. of cube in kg.	Load in kN	Compressive strength in kg/cm^2	Avg. compressive strength in kg/cm^2	Reqd. Compressive Strength at 07 days in Kg/cm^2
1	A1	8.290	790.0	351.11	347.56	----
2	A2	8.400	774.0	344.00		
3	A3	8.450	782.0	347.56		

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Report Issue No.: SA/PB/LAB/W-1185/21-22/2449-B **Date: 09-02-2022**

ANALYSIS REPORT ON CONCRETE CUBE

Name of the Client	:	Assistant Engineer-III (RW/SWM), Port Blair.
Name of the Agency	:	M/s Surendra Infrastructure (P) Ltd.
Name of the Work	:	Marine Esplanade: Marina road restructure with uniform carriage way, walking track, street lighting, street furniture, service core trenching and landscaping.
Agreement No	:	01 (PBSPL) of 2020-2021
Letter Ref. No	:	05-03-01/SE/EE-III/WKS/SWM/MC/2021-22/92(A) **Date:** 01-02-2022
Nature of Test	:	Compressive Strength Test of Concrete Cubes.
Sample received Date	:	08-02-2022 **Sample Code** : SA/PB/LAB/21-22/1185
Date of Sampling	:	08-02-2022 **Sampling Method** : IS 516-1959
Date of Analysis	:	08-02-2022 **Date of Completion** : 08-02-2022

ANALYSIS RESULTS

(AS PER IS: 456-2000)

Grade of Concrete	:	M-40	**Size of Concrete cube**	:	15cm x 15cm x 15cm
Date of Cube Casting	:	01-02-2022	**Date of Cube Testing**	:	08-02-2022
Age of Concrete	:	07 Days	**Location**	:	Sea Wall

Sl. No.	Cube Reference	Wt. of cube in kg.	Load in kN	Compressive strength in kg/cm^2	Avg. compressive strength in kg/cm^2	Reqd. Compressive Strength at 07 days in Kg/cm^2
1	A1	8.370	810.0	360.00	356.44	----
2	A2	8.340	804.0	357.33		
3	A3	8.480	792.0	352.00		

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SUBUDHI
TECHNOENGINEERS PVT LTD
(Formerly M/s Subudhi Associates)

Report Issue No.: SA/PB/LAB/W-972/21-22/2318

Date: 01-10-2021

ANALYSIS REPORT ON CONCRETE CUBE

Name of the Client	:	Assistant Engineer-III (RW/SWM), Port Blair		
Name of the Agency	:	M/s Surendra Infrastructure (P) Ltd.		
Name of the Work	:	Marine Espande: Marina road restructure with uniform carriage way, walking track, street Lighting, street furniture,service core trenching and landscaping.		
Agreement No	:	01 (PBSPL) of 2020-2021		
Letter Ref. No	:	05-03-01/SE/EE-III/WKS/SWM/MC/2021-22/44A	**Date:** 23-09-2021	
Nature of Test	:	Compressive Strength Test of Concrete Cubes.		
Sample received Date	:	30-09-2021	**Sample Code**	: SA/PB/LAB/21-22/972
Date of Sampling	:	30-09-2021	**Sampling Method**	: IS 516-1959
Date of Analysis	:	30-09-2021	**Date of Completion** :	30-09-2021

ANALYSIS RESULTS

(AS PER IS: 456-2000)

Grade of Concrete	:	M-40	**Size of Concrete cube**	:	15cm x 15cm x 15cm
Date of Cube Casting	:	23-09-2021	**Date of Cube Testing**	:	30-09-2021
Age of Concrete	:	07 Days	**Location**	:	Sea wall

Sl. No.	Cube Reference	Wt. of cube in kg.	Load in kN	Compressive strength in kg/cm^2	Avg. compressive strength in kg/cm^2	Reqd. Compressive Strength at 07 days in Kg/cm^2
1	A1	8.520	821.0	364.89	361.93	----
2	A2	8.450	815.0	362.22		
3	A3	8.400	807.0	358.67		

SUBUDHI TECHNOENGINEERS PVT. LTD. TESTING LABORATORY

Engineer(Q.C.)

Subudhi Technoengineers Pvt. Ltd.

Authorized Signatory

Notes :

- Analysis is subject to the condition in which the sample is received at our Laboratory.
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Report No.: SA/PB/LAB/W-377/21-22/2174-A

Date: 10-05-2021

ANALYSIS REPORT ON CONCRETE CUBE

Name of the Client	:	Assistant Engineer-III (RW/SWM), Port Blair		
Name of the Agency	:	M/s Surendra Infrastructure (P) Ltd.		
Name of the Work	:	Marine Espande: Marina road restructure with uniform carriage way, walking track, street Lighting, street furniture,service core trenching and landscaping.		
Agreement No	:	01 (PBSPL) of 2020-2021		
Letter Ref. No	:	05-03-01/SE/EE-III/WKS/SWM/MC/2020-21/01A	**Date:**	02-05-2021
Nature of Test	:	Compressive Strength Test of Concrete Cubes.		
Sample received Date	:	09-05-2021	**Sample Code**	: SA/PB/LAB/21-22/377
Date of Sampling	:	09-05-2021	**Sampling Method**	: IS 516-1959
Date of Analysis	:	09-05-2021	**Date of Completion**	: 09-05-2021

ANALYSIS RESULTS

(AS PER IS: 456-2000)

Grade of Concrete	:	M-40	**Size of Concrete cube**	:	15cm x15cm x 15cm
Date of Cube Casting	:	02-05-2021	**Date of Cube Testing**	:	09-05-2021
Age of Concrete	:	07 Days	**Location**	:	Sea wall

Sl. No.	Cube Reference	Wt. of cube in kg.	Load in kN	Compressive strength in kg/cm^2	Avg. compressive strength in kg/cm^2	Reqd. Compressive Strength at 07 days in Kg/cm^2
1	A1	8.590	789.0	350.67	350.07	
2	A2	8.630	781.0	347.11		
3	A3	8.670	793.0	352.44		

SUBUDHI TECHNOENGINEERS PVT LTD TESTING LABORATORY

Engineer (Q.C.)

Subudhi Technoengineers Pvt. Ltd.

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Report No.: SA/PB/LAB/W-378/21-22/2179

SUBUDHI
TECHNOENGINEERS PVT LTD
(Formerly M/s Subudhi Associates)

Date: 15-05-2021

ANALYSIS REPORT ON CONCRETE CUBE

Name of the Client	:	Assistant Engineer-III (RW/SWM), Port Blair
Name of the Agency	:	M/s Surendra Infrastructure (P) Ltd.
Name of the Work	:	Marine Espande: Marina road restructure with uniform carriage way, walking track, street Lighting, street furniture,service core trenching and landscaping.
Agreement No	:	01 (PBSPL) of 2020-2021
Letter Ref. No	:	05-03-01/SE/EE-III/WKS/SWM/MC/2020-21/02A **Date:** 07-05-2021
Nature of Test	:	Compressive Strength Test of Concrete Cubes.
Sample received Date	:	14-05-2021 **Sample Code** : SA/PB/LAB/21-22/378
Date of Sampling	:	14-05-2021 **Sampling Method** : IS 516-1959
Date of Analysis	:	14-05-2021 **Date of Completion** : 14-05-2021

ANALYSIS RESULTS

(AS PER IS: 456-2000)

Grade of Concrete	:	M-40	**Size of Concrete cube**	:	15cm x15cm x 15cm
Date of Cube Casting	:	07-05-2021	**Date of Cube Testing**	:	14-05-2021
Age of Concrete	:	07 Days	**Location**	:	Sea wall

Sl. No.	Cube Reference	Wt. of cube in kg.	Load in kN	Compressive strength in kg/cm^2	Avg. compressive strength in kg/cm^2	Reqd. Compressive Strength at 07 days in Kg/cm^2
1	A1	8.680	794.0	352.89	353.93	
2	A2	8.620	788.0	350.22		
3	A3	8.650	807.0	358.67		

SUBUDHI TECHNOENGINEERS PVT LTD TESTING LABORATORY NOIDA

Engineer(Q.C.)

Subudhi Technoengineers Pvt. Ltd.

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Report No.: SA/PB/LAB/W-379/21-22/2182-A

Date: 18-05-2021

ANALYSIS REPORT ON CONCRETE CUBE

Name of the Client	:	Assistant Engineer-III (RW/SWM), Port Blair
Name of the Agency	:	M/s Surendra Infrastructure (P) Ltd.
Name of the Work	:	Marine Espande: Marina road restructure with uniform carriage way, walking track, street Lighting, street furniture,service core trenching and landscaping.
Agreement No	:	01 (PBSPL) of 2020-2021
Letter Ref. No	:	05-03-01/SE/EE-III/WKS/SWM/MC/2020-21/02B **Date:** 10-05-2021
Nature of Test	:	Compressive Strength Test of Concrete Cubes.
Sample received Date	:	17-05-2021 **Sample Code** : SA/PB/LAB/21-22/379
Date of Sampling	:	17-05-2021 **Sampling Method** : IS 516-1959
Date of Analysis	:	17-05-2021 **Date of Completion** : 17-05-2021

ANALYSIS RESULTS

(AS PER IS: 456-2000)

Grade of Concrete	:	M-40	**Size of Concrete cube**	:	15cm x15cm x 15cm
Date of Cube Casting	:	10-05-2021	**Date of Cube Testing**	:	17-05-2021
Age of Concrete	:	07 Days	**Location**	:	Sea wall

Sl. No.	Cube Reference	Wt. of cube in kg.	Load in kN	Compressive strength in kg/cm^2	Avg. compressive strength in kg/cm^2	Reqd. Compressive Strength at 07 days in Kg/cm^2
1	A1	8.520	796.0	353.78	351.70	
2	A2	8.569	791.0	351.56		
3	A3	8.640	787.0	349.78		

SUBUDHI TECHNOENGINEERS PVT LTD TESTING LABORATORY

Engineer(Q.C.)

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Report No.: SA/PB/LAB/W-380/21-22/2184-A

Date: 20-05-2021

ANALYSIS REPORT ON CONCRETE CUBE

Name of the Client	:	Assistant Engineer-III (RW/SWM), Port Blair		
Name of the Agency	:	M/s Surendra Infrastructure (P) Ltd.		
Name of the Work	:	Marine Espande: Marina road restructure with uniform carriage way, walking track, street Lighting, street furniture,service core trenching and landscaping.		
Agreement No	:	01 (PBSPL) of 2020-2021		
Letter Ref. No	:	05-03-01/SE/EE-III/WKS/SWM/MC/2020-21/02C	**Date:**	12-05-2021
Nature of Test	:	Compressive Strength Test of Concrete Cubes.		
Sample received Date	:	19-05-2021	**Sample Code**	: SA/PB/LAB/21-22/380
Date of Sampling	:	19-05-2021	**Sampling Method**	: IS 516-1959
Date of Analysis	:	19-05-2021	**Date of Completion**	: 19-05-2021

ANALYSIS RESULTS

(AS PER IS: 456-2000)

Grade of Concrete	:	M-40	**Size of Concrete cube**	:	15cm x15cm x 15cm
Date of Cube Casting	:	12-05-2021	**Date of Cube Testing**	:	19-05-2021
Age of Concrete	:	07 Days	**Location**	:	Sea wall raft

Sl. No.	Cube Reference	Wt. of cube in kg.	Load in kN	Compressive strength in kg/cm^2	Avg. compressive strength in kg/cm^2	Reqd. Compressive Strength at 07 days in Kg/cm^2
1	A1	8.680	791.0	351.56	349.93	
2	A2	8.550	786.0	349.33		
3	A3	8.580	785.0	348.89		

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Engineer (Q.C.)

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Report No.: SA/PB/LAB/W-381/21-22/2185-E

Date: 21-05-2021

ANALYSIS REPORT ON CONCRETE CUBE

Name of the Client	:	Assistant Engineer-III (RW/SWM), Port Blair
Name of the Agency	:	M/s Surendra Infrastructure (P) Ltd.
Name of the Work	:	Marine Espande: Marina road restructure with uniform carriage way, walking track, street Lighting, street furniture,service core trenching and landscaping.
Agreement No	:	01 (PBSPL) of 2020-2021
Letter Ref. No	:	05-03-01/SE/EE-III/WKS/SWM/MC/2020-21/03A **Date:** 13-05-2021
Nature of Test	:	Compressive Strength Test of Concrete Cubes.
Sample received Date	:	20-05-2021 **Sample Code** : SA/PB/LAB/21-22/381
Date of Sampling	:	20-05-2021 **Sampling Method** : IS 516-1959
Date of Analysis	:	20-05-2021 **Date of Completion** : 20-05-2021

ANALYSIS RESULTS

(AS PER IS: 456-2000)

Grade of Concrete	:	M-40	**Size of Concrete cube**	:	15cm x15cm x 15cm
Date of Cube Casting	:	13-05-2021	**Date of Cube Testing**	:	20-05-2021
Age of Concrete	:	07 Days	**Location**	:	Sea wall

Sl. No.	Cube Reference	Wt. of cube in kg.	Load in kN	Compressive strength in kg/cm^2	Avg. compressive strength in kg/cm^2	Reqd. Compressive Strength at 07 days in Kg/cm^2
1	A1	8.510	788.0	350.22	354.52	
2	A2	8.570	796.0	353.78		
3	A3	8.530	809.0	359.56		

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Report Issue No.: SA/PB/LAB/W-1009/21-22/2351-E **Date: 03-11-2021**

ANALYSIS REPORT ON CONCRETE CUBE

Name of the Client	:	Assistant Engineer-III (RW/SWM), Port Blair.			
Name of the Agency	:	M/s Surendra Infrastructure (P) Ltd.			
Name of the Work	:	Marine Espande: Marina road restructure with uniform carriage way, walking track, street lighting, street furniture, service core trenching and landscaping.			
Agreement No	:	01 (PBSPL) of 2020-2021			
Letter Ref. No	:	05-03-01/SE/EE-III/WKS/SWM/MC/2021-22/(F)	**Date:** 26-10-2021		
Nature of Test	:	Compressive Strength Test of Concrete Cubes.			
Sample received Date	:	02-11-2021	**Sample Code**	:	SA/PB/LAB/21-22/1009
Date of Sampling	:	02-11-2021	**Sampling Method**	:	IS 516-1959
Date of Analysis	:	02-11-2021	**Date of Completion**	:	02-11-2021

ANALYSIS RESULTS

(AS PER IS: 456-2000)

Grade of Concrete	:	M-25	**Size of Concrete cube**	:	15cm x 15cm x 15cm
Date of Cube Casting	:	26-10-2021	**Date of Cube Testing**	:	02-11-2021
Age of Concrete	:	07 Days	**Location**	:	Deck slab for footpath

Sl. No.	Cube Reference	Wt. of cube in kg.	Load in kN	Compressive strength in kg/cm²	Avg. compressive strength in kg/cm²	Reqd. Compressive Strength at 07 days in Kg/cm²
1	A1	8.250	529.0	235.11	234.81	----
2	A2	8.500	540.0	240.00		
3	A3	8.390	516.0	229.33		

SUBUDHI TECHNOENGINEERS PVT. LTD. TESTING LABORATORY

Engineer(Q.C.)

Subudhi Technoengineers Pvt. Ltd.

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Report Issue No.: SA/PB/LAB/W-1010/21-22/2356-B **Date: 08-11-2021**

ANALYSIS REPORT ON CONCRETE CUBE

Name of the Client	:	Assistant Engineer-III (RW/SWM), Port Blair.		
Name of the Agency	:	M/s Surendra Infrastructure (P) Ltd.		
Name of the Work	:	Marine Espande: Marina road restructure with uniform carriage way, walking track, street lighting, street furniture, service core trenching and landscaping.		
Agreement No	:	01 (PBSPL) of 2020-2021		
Letter Ref. No	:	05-03-01/SE/EE-III/WKS/SWM/MC/2021-22/(E)	**Date:** 30-10-2021	
Nature of Test	:	Compressive Strength Test of Concrete Cubes.		
Sample received Date	:	06-11-2021	**Sample Code**	: SA/PB/LAB/21-22/1010
Date of Sampling	:	06-11-2021	**Sampling Method**	: IS 516-1959
Date of Analysis	:	06-11-2021	**Date of Completion**	: 06-11-2021

ANALYSIS RESULTS
(AS PER IS: 456-2000)

Grade of Concrete	:	M-25	**Size of Concrete cube**	:	15cm x 15cm x 15cm
Date of Cube Casting	:	30-10-2021	**Date of Cube Testing**	:	06-11-2021
Age of Concrete	:	07 Days	**Location**	:	R.C.C. Culvert

Sl. No.	Cube Reference	Wt. of cube in kg.	Load in kN	Compressive strength in kg/cm²	Avg. compressive strength in kg/cm²	Reqd. Compressive Strength at 07 days in Kg/cm²
1	A1	8.310	520.0	231.11	237.04	----
2	A2	8.460	546.0	242.67		
3	A3	8.280	534.0	237.33		

SUBUDHI TECHNOENGINEERS PVT. LTD. TESTING LABORATORY

Subudhi Technoengineers Pvt. Ltd.

Authorized Signatory

Engineer(Q.C.)

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Report Issue No.: SA/PB/LAB/W-1011/21-22/2363-C

Date: 15-11-2021

ANALYSIS REPORT ON CONCRETE CUBE

Name of the Client	:	Assistant Engineer-III (RW/SWM), Port Blair.			
Name of the Agency	:	M/s Surendra Infrastructure (P) Ltd.			
Name of the Work	:	Marine Espande: Marina road restructure with uniform carriage way, walking track, street lighting, street furniture, service core trenching and landscaping.			
Agreement No	:	01 (PBSPL) of 2020-2021			
Letter Ref. No	:	05-03-01/SE/EE-III/WKS/SWM/MC/2021-22/(D)	**Date:** 06-11-2021		
Nature of Test	:	Compressive Strength Test of Concrete Cubes.			
Sample received Date	:	13-11-2021	**Sample Code**	:	SA/PB/LAB/21-22/1011
Date of Sampling	:	13-11-2021	**Sampling Method**	:	IS 516-1959
Date of Analysis	:	13-11-2021	**Date of Completion**	:	13-11-2021

ANALYSIS RESULTS

(AS PER IS: 456-2000)

Grade of Concrete	:	M-40	**Size of Concrete cube**	:	15cm x 15cm x 15cm
Date of Cube Casting	:	06-11-2021	**Date of Cube Testing**	:	13-11-2021
Age of Concrete	:	07 Days	**Location**	:	Sea wall

Sl. No.	Cube Reference	Wt. of cube in kg.	Load in kN	Compressive strength in kg/cm²	Avg. compressive strength in kg/cm²	Reqd. Compressive Strength at 07 days in Kg/cm²
1	A1	8.200	778.0	345.78	350.81	----
2	A2	8.380	785.0	348.89		
3	A3	8.490	805.0	357.78		

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Engineer(Q.C.)

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Date: 26-11-2021

Report Issue No.: SA/PB/LAB/W-1012/21-22/2374-F

ANALYSIS REPORT ON CONCRETE CUBE

Name of the Client	:	Assistant Engineer-III (RW/SWM), Port Blair.
Name of the Agency	:	M/s Surendra Infrastructure (P) Ltd.
Name of the Work	:	Marine Espande: Marina road restructure with uniform carriage way, walking track, street lighting, street furniture, service core trenching and landscaping.
Agreement No	:	01 (PBSPL) of 2020-2021 **Date:** 18-11-2021
Letter Ref. No	:	05-03-01/SE/EE-III/WKS/SWM/MC/2021-22/(C)
Nature of Test	:	Compressive Strength Test of Concrete Cubes.
Sample received Date	:	25-11-2021 **Sample Code** : SA/PB/LAB/21-22/1012
Date of Sampling	:	25-11-2021 **Sampling Method** : IS 516-1959
Date of Analysis	:	25-11-2021 **Date of Completion** : 25-11-2021

ANALYSIS RESULTS

(AS PER IS: 456-2000)

Grade of Concrete	:	M-25	**Size of Concrete cube**	:	15cm x 15cm x 15cm
Date of Cube Casting	:	18-11-2021	**Date of Cube Testing**	:	25-11-2021
Age of Concrete	:	07 Days	**Location**	:	Deck slab for footpath

Sl. No.	Cube Reference	Wt. of cube in kg.	Load in kN	Compressive strength in kg/cm²	Avg. compressive strength in kg/cm²	Reqd. Compressive Strength at 07 days in Kg/cm²
1	A1	8.450	547.0	243.11	241.78	----
2	A2	8.300	535.0	237.78		
3	A3	8.520	550.0	244.44		

SUBUDHI TECHNOENGINEERS PVT. LTD. TESTING LABORATORY

Engineer(Q.C.)

Subudhi Technoengineers Pvt. Ltd.

Authorized Signatory

Notes :

- Analysis is subject to the condition in which the sample is received at our Laboratory.
- Report cannot be used as evidence anywhere including Judiciary purpose without our prior Permission.
- Sample will be retained till one month from the date of sampling.

❖ Deals with all kinds of Engineering Consulting Services ❖

IBOCA

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