

OFFICE OF THE MUNICIPAL COUNCIL  
PORT BLAIR

F No.: 88-III/EE-III/SWM/MC/2024-25

dated: Aug 07,  
2024

**EXPRESSION OF INTEREST (EOI)**  
**FOR TENDER COCONUT WASTE MANAGEMENT & RESOURCE  
RECOVERY**

## **1. Introduction**

**1.1 Purpose:** The Port Blair Municipal Council (PBMC) seeks expressions of interest from qualified entities for the management & extracting valorisation out of tender coconut waste. The successful bidder will operate an existing 500kg/hr. capacity shredding machine, converting this waste stream into marketable products.

**1.2 Project Background:** PBMC is committed to sustainable waste management practices and resource recovery. This initiative aligns with the broader goal of promoting circular economy principles in the region, aiming to reduce waste volumes while creating economic opportunities.

## **2. Project Scope and Requirements**

**2.1 Feedstock:** PBMC will supply tender coconut waste, encompassing husks, shells, and residual coconut, to the selected facility.

**2.2 Processing:** The bidder will utilize the existing shredding machine to transform the waste into value-added products, such as:

- Coir fiber (for various industrial and agricultural applications)
- Coir pith (as a growing medium in horticulture)
- Coconut shell powder/charcoal (for fuel, filtration, and other uses)
- Other marketable by-products

**2.3 Sales and Marketing:** The bidder will develop and execute a comprehensive marketing and sales strategy for the processed products, targeting both local and potentially export markets.

## 2.4 Services Provided:

- **Machine Operation:** Efficient and responsible operation of the shredding machine, ensuring maximum output and quality.
- **Preventive Maintenance:** Regular maintenance schedules and timely repairs to minimize downtime and optimize machine performance.
- **Skilled Workforce:** Employ and manage a skilled workforce for machine operation, maintenance, product handling, and other associated tasks.
- **Revenue Sharing Model:** Propose a fair and transparent revenue-sharing model with PBMC, based on a percentage or fixed amount per kilogram of processed waste.

## 3. Infrastructure Provided by PBMC

- Dedicated land parcel for the processing facility.
- Existing shed/covered structure for housing machinery and operations.
- Access to essential utilities: water and electricity.

## 4. Technical Proposal Requirements

The technical proposal should include:

- **Company Overview:** Provide details of the company's background, expertise in waste management, relevant certifications, and any previous projects of similar nature.
- **Technical Capabilities:** Demonstrate technical proficiency in operating shredding machinery, processing coconut waste, and quality control procedures.
- **Operational Plan:** Submit a detailed plan outlining waste collection logistics, processing methodologies, product development strategies, quality control measures, and potential environmental impact mitigation.
- **Workforce and Resource Allocation:** Present a comprehensive plan for staffing, skill development, and resource allocation.

- **Environmental Sustainability:** Detail measures to ensure adherence to environmental regulations and minimize the project's ecological footprint.
- **Revenue Sharing Proposal:** Propose a clear and equitable revenue-sharing model with PBMC, including the proposed percentage or fixed amount per kilogram of processed waste.

## 5. Financial Proposal

The financial proposal should clearly state the revenue-sharing percentage or fixed amount (in INR) per kilogram of processed tender coconut waste that the bidder is offering to PBMC.

## 6. Evaluation Criteria

The selection process will be based on a weighted evaluation of the following criteria:

- **Revenue Sharing Proposal (40%):** The highest proposed percentage or fixed amount per kilogram of processed waste.
- **Technical Capability (30%):** The overall strength of the technical proposal, including experience, expertise, and operational plan.
- **Environmental Sustainability (20%):** The inclusion of measures to minimize environmental impact and adhere to regulations.
- **Financial Viability (10%):** The financial soundness of the proposed business model.

## 7. Submission Guidelines

Technical and financial proposals must be submitted separately in sealed envelopes, clearly labeled as "Technical Proposal" and "Financial Proposal."

## 8. Timeline

- **EOI Release Date:** Aug 07, 2024
- **Proposal Submission Deadline:** 16.08.2024

## 9. Additional Information

- Site visits to the project location can be arranged upon request.
- PBMC reserves the right to amend this EOI, request additional information, or cancel the solicitation at any time.
- This EOI does not constitute an offer or a commitment to award a contract.

## 10. Machine details

<b>COCONUT SHREDDER MACHINE</b>	
Application	Shred whole coconut into fine fractions for further processing
Capacity	250-500 KG/Hour
Power	11.5 KW (15 HP)
Recommended Materials	Whole coconut/tender coconut
Manpower Required	2
Recommended PPEs	Safety shoe, nose mask, hand gloves, goggles, safety helmet
Important Instruction	<ul style="list-style-type: none"><li>• Keep hands and other body parts away from coconut shredder machine</li><li>• Do not try to remove any jammed materials while the machine is in operation</li><li>• Don't run the machine unattended</li></ul>