

Request for Quotation (RFQ)

Title of the service required	Supply and Installation of a Low-Emission Biomass Pyrolyser for Biochar Production
Brief explanation of the product/service required	A low-emission biomass pyrolyser is required to thermally convert dried organic waste into biochar under controlled, oxygen-limited conditions. This equipment is a core component of the Chintamani biochar project and is essential for producing high-quality biochar with consistent yield and safety.
Specification of the product/type of service	Heavy duty wet-organic waste shredder: • Capacity: 50–100 kg per batch of dried organic waste • Type: Commercial-scale batch or semi-continuous pyrolysis unit • Operating temperature: 500°C – 800°C • Construction: High-grade stainless steel or equivalent heat-resistant material • Power Supply: Electric-operated / hybrid low-emission system • Airflow: Oxygen-limited design for controlled pyrolysis • Outputs: Biochar + small quantities of condensate (bio-oil) • Safety: ○ Thermal insulation ○ Temperature control ○ Emergency shutdown ○ Safe condensate handling system • Warranty: Minimum 1-year comprehensive warranty • Installation: Vendor must install, test, and demonstrate operation
Quantity	1

Additional details if required (Drawings / Writeup etc)	The pyrolyser will be installed at the SWM site, Chintamani, as part of the 250 kg/day biochar pilot plant. Vendors may submit: • Technical drawings / schematics • Installation layout plan • Operating manual • Safety compliance certifications • Previous test reports or performance data • Details on required power and ventilation • Any additional accessories or safety systems required for operation
Submission Requirements	Technical Proposal: • Product brochure / datasheet • Detailed technical specification of the shredder • Warranty and service information • Installation and training support details Financial Proposal: • Item-wise quotation with taxes clearly mentioned • Validity of the quotation (minimum 30-60 days) • Delivery timeline and installation charges (if any) Company Profile: • GST certificate • PAN • List of previous clients
Shipping/Service address	SWM Site, Chintamani https://maps.app.goo.gl/U77dGnq6BhoHKyxAA?g_st=aw

Deadline for receiving the quotation (mail or hard copy as stated in terms below)	21/11/2025
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Evaluation Criteria

All submitted quotations will be evaluated based on the following criteria

1. Technical Compliance (40%)

- a. Adherence to the required specifications
- b. Quality of materials and build
- c. Safety features
- d. Warranty period
- e. Availability of installation and training support

2. Financial Proposal (30%)

- a. Total cost (inclusive of taxes and delivery)
- b. Cost-effectiveness in comparison to other bids
- c. Transparency of pricing (no hidden charges)

3. Vendor experience and Capability (15%)

- a. Experience in supplying similar equipment
- b. Past performance with government/NGO/municipal clients
- c. Technical expertise and competent service team

4. After-Sales Service & Support (10%)

- a. Availability of service centre or on-site support
- b. Response time for maintenance
- c. AMC (Annual Maintenance Contract) options

5. Delivery Timeline (5%)

- a. Ability to deliver and install within the required timeframe

Payment Terms

1. Advance Payment (50%)

- a. 50% of the total contract value will be released as advance

- b. Only upon submission of a Bank guarantee or a Security Cheque equivalent to the advance amount.

2. Delivery Payment (30%)

- a. 30% will be released after successful delivery of the shredder machine at the designated site.
- b. Subject to verification of condition and conformity with specifications.

3. Installation Payment (20%)

- a. 20% will be released after successful installation, testing and demonstration of the machine's full functionality.

Required documents

- Tax invoice
- Delivery challan
- Installation & Commissioning pictures
- Warranty certificate

Payment Method

Payment will be made through bank transfer to the vendor's registered bank account.

Submission Method

Submission of quotes

All quotations must be submitted electronically to the designated email: procurement@tide-india.org with subject line "Quotation for Shredder Machine – Chintamani, Biochar"

Submission must include the technical proposal, financial proposal, and all required supporting documents. Late submissions will not be considered.

Deadline for submission

All quotation must be submitted on or before 21.11.2025

Queries and Clarifications

Vendors may submit any questions or clarification requests to: info@tide-india.org. All queries must be sent on or before 19.11.2025