

Request for Quotation (RFQ)

Title of the service required	Supply and Installation of a 500 kg (wet-waste) Hybrid Solar–Electric Dryer
Brief explanation of the product/service required	A hybrid solar–electric dryer is required for drying shredded wet organic waste at the Chintamani Biochar Pilot Unit. This dryer will use solar energy during sunny periods and automatically switch to electric heating during low-sun or monsoon conditions. Achieving consistent moisture reduction is essential to ensure smooth daily feeding of the biomass pyrolyser and stable biochar production.
Specification of the product/type of service	Heavy duty wet-organic waste shredder: • Capacity: 500 to 600 kg per batch of shredded waste • Type: Solar cabinet dryer with forced draft and electric backup • Performance: Ability to reduce moisture from 85–90% to 10–20%; Drying cycle 24 hours to 36 hours under normal sunlight. • Hybrid operation: ○ Primary: Solar heating using UV-stabilized polycarbonate or glass panels ○ Backup: Electric heating (coil / resistive heater / hot-air blower) for monsoon & cloudy conditions ○ Automatic or manual mode switching • Construction: Corrosion-resistant frame; UV-stabilized transparent cover; Weather-resistant structure suitable for outdoor installation • Tray/Racks: ○ Suitable for 5–10 cm bed depth ○ Strong, easy-to-clean food/industrial grade trays • Airflow system: ○ Solar-powered or electric-powered fans for forced

	ventilation ○ Moisture exhaust vents • Safety: Proper enclosure and safe operation features • Warranty: Minimum 1-year comprehensive warranty
Quantity	1
Additional details if required (Drawings / Writeup etc)	The solar dryer will be used to dry shredded wet waste collected from the Chintamani vegetable market. The dryer must support continuous daily operation and provide consistent drying performance. Vendors may include product brochures, technical drawings, installation layout, and moisture reduction test results.
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

Technology Informatics Design Endeavour (TIDE)



**Deadline for receiving
the quotation (mail or
hard copy as stated in
terms below)**

21/11/2025

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