

Terms of Reference/Request for Proposal**Date: 07.11.2025**

Proposals are invited by Technology Informatics Design Endeavour (TIDE) for **“Selection of Vendor for the Procurement, Delivery, and Installation of a Battery-Operated Semi-Electric Stacker (1000 kg Capacity) and a Hydraulic Hand Pallet Truck (2500 kg Capacity) at the Commercial Dry Waste Management Centre, Chikkaballapura Municipal Council, Karnataka.”**

Introduction

Technology Informatics Design Endeavour (TIDE) is a development organization based in Bengaluru that leverages technology for conserving the environment, creating livelihoods, and addressing societal issues. TIDE's work encompasses energy access and biomass-based cooking solutions, environment conservation through energy waste and water interventions, and Technology based innovative livelihoods, particularly with a focus on rural women. TIDE is currently implementing a project titled Integrated Water Management in partnership with BORDA, in different towns of Karnataka. For more information about TIDE, please visit www.tide-india.org

Title	Selection of Vendor for the Procurement, Delivery, and Installation of a Battery-Operated Semi-Electric Stacker (1000 kg Capacity) and a Hydraulic Hand Pallet Truck (2500 kg Capacity) at the Commercial Dry Waste Management Centre, Chikkaballapura Municipal Council, Karnataka.
Location	Chikkaballapura CMC, Karnataka
Nature of Assignment	The project aims to select a qualified and experienced vendor for the procurement, delivery, installation, and commissioning of a battery operated semi-electric stacker and a hydraulic hand pallet truck to enhance operational efficiency in the internal movement of waste and bales, as well as in stacking the bales at Commercial Dry Waste Management Centre.
Contract period	The contract period will be for the duration of 30 days

Background of Project

Chikkaballapura city is the district headquarters of Chikkaballapura district in the Indian state of Karnataka. It is located approximately 56 km north of Bengaluru, with an administrative boundary of 18.25 sq. km divided into 31 wards. According to the 2011 Census, the city had a population of 63,652. As of 2021, the estimated population is 73,709, comprising a total of 17,276 households.

The total waste generated in the city is estimated at 33 tonnes per day (TPD), with a per capita generation of 0.45 kg (as estimated in 2021). Of this, approximately 49.5% (16.3 TPD) is wet waste,

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34.8% (11.5 TPD) is dry waste, 15.3% (5 TPD) is inert waste, and the remaining 0.3% (0.2 TPD) is classified as special waste.

At present, waste collection from commercial establishments is irregular and lacks a proper schedule, often resulting in open dumping across the city. To address this issue, the Chikkaballapura City Municipal Council (CMC) has recently initiated the independent processing of commercial dry waste after recognizing that valuable recyclable materials were being disposed of in landfills. As a technical partner to the CMC, TIDE has proposed the implementation of a decentralized processing plant for effective management of commercial dry waste. In collaboration with the CMC, TIDE has agreed to procure specific equipment to support this initiative.

Terms of Reference:

The bidder shall be responsible for the activities and roles mentioned herein, and shall also support TIDE wherever reasonable and possible, to ensure that the objectives of the assignment are met. The details of the assignment are given below:

Scope of assignment:

The overall objective of this assignment is to **“Select a Vendor for the Procurement, Delivery, and Installation of a Battery-Operated Semi-Electric Stacker (1000 kg Capacity) and a Hydraulic Hand Pallet Truck (2500 kg Capacity) at the Commercial Dry Waste Management Centre, Chikkaballapura Municipal Council, Karnataka.”**

The selected agency will be responsible for the following:

1. Manufacture and supply a battery-operated semi-electric stacker (1000 kg capacity) and a hydraulic hand pallet truck (2500 kg capacity) as per the detailed technical specifications provided in this RFP.
2. Deliver the equipment to the Chikkaballapura City Municipal Council, Karnataka – 562101, within the stipulated timeline.
3. Ensure that the equipment is fully functional, tested, and meets TIDE’s technical and operational requirements before handover.
4. Provide necessary technical support during installation and commissioning.
5. Conduct hands-on training for designated personnel on the operation, safety procedures, and routine maintenance of the machinery post-installation.
6. Provide warranty support for a minimum of one year from the date of commissioning, covering manufacturing defects and performance issues.
7. Submit documentation including product manuals, warranty certificates.
8. Ensure compliance with all applicable safety standards, environmental norms, and manufacturer’s guidelines during supply and installation.
9. Provide post-installation support for troubleshooting and maintenance during the warranty period, as and when required.

Specifications of Battery-Operated semi electrical stacker of 1000Kgs capacity – 1No

TECHNICAL SPECIFICATIONS		
SEMI ELECTRIC STACKER - HS - 10E-FL-1150x560 LH-2000 (T)		
PARAMETERS	UNIT	SPECIFICATIONS
Basic Capacity	Kg's	1000
Mast Type	-	Telescopic
Fork Length	mm	1150
Fork Outer Width	mm	560
Load Center	mm	600
Lowered Height of Forks	mm	90
Lift Height of Forks	mm	2000
Shut height of Equipment	mm	1600
Extended Mast Height	mm	2450
Capacity @ Full Height	Kg's	850
Battery	V/Ah	12 x 135
Battery Charge Time	Hr's	8
Battery Discharge Time	Hr's	5
Hydraulic Pump Motor	V/KW	12 x 1.5
Wheels	Nylon	Support Wheels Dia 180 x 50 Tandem Load Wheels Dia 80 x 70
Automatic Battery Charger	V / A	12 x 15

Specifications of Hand Pallet Truck of 2500kgs Capacity – 1 No

PARAMETERS	UNIT	SPECIFICATIONS
Basic Capacity	Kg's	2500
Fork Length	mm	1130
Fork Outer Width	mm	550
Width of Each Fork	mm	160
Inner Distance between forks	mm	230
Load Center	mm	600
Lowered Height of Forks	mm	85
Lift Height of Forks	mm	110
Raised Height from Ground Level	mm	195
Overall Length of Equipment	mm	1214
Wheels	Nylon	Support Wheels Dia 180 x 50 Tandem Load Wheels Dia 80 x 70
Weight of pallet truck	Kg's	70-75

Note: All deliverables will be inspected and verified by TIDE upon delivery. Any damaged, defective, or non-compliant products will not be accepted and must be replaced by the vendor at no additional cost. All deliverables will be checked by TIDE, and damages product is not accepted

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Eligibility criteria:

The firm should meet the following minimum eligibility criteria:

• The company/firm/contractor must be a legally registered entity with valid registration documents.
• The firm must maintain comprehensive documentation related to statutory compliance, including permits, approvals, monitoring records, and compliance reports.
• The company/firm/contractor must not have been blacklisted by any Central or State Government agency and should have no pending legal liabilities with any governmental or non-governmental organization.
• The bidder must have prior experience in the manufacture and/or supply of similar equipment.
• The bidder must provide proof of similar past projects along with client references.
• The bidder must possess the necessary certifications for quality assurance and safety compliance.
Note: The vendor must submit supporting documentary evidence for each of the above eligibility criteria.

Evaluation Criteria:

S. No	Indicator	Description	Document Evidence	Weightage
1	Bid Price	Price quoted by the agency for completion of the assignment	Provide a lump sum cost in Annexure IV	50%
2	Technical Experience	The vendor must have a minimum of five (5) years of experience in manufacturing, supplying, or commissioning semi-electric stackers and pallet trucks, preferably for waste management or industrial operations.	Work Order / Work Completion Certificate / Proof of Work / Self-Certification with details of similar projects (including project name, description, start and completion dates, location, and total project cost).	50%
All eligible firms will be evaluated based on the above criteria. The bidder achieving the highest cumulative score will be awarded the contract.				

Duration of the assignment:

The project shall be executed within 30 days of the contract's award, shall be delivered by the **2nd week of December 2025**. The agency should adhere to the work plan as shown below. **(Subject to revision based on mutual consent or as per ground condition)**

Work Plan:

The project duration is from the **3rd week of November 2025 to the 2nd week of December 2025**.

Activity	November 3 rd Week	December 2 nd Week
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Award of contract		
Delivery of the Equipment		
Installation of the Equipment		
Training for CMC Staff /Other staff engaged & User Manuals		

Schedule of Payment:

Sl. No.	Deliverable	Stage of payment	Percentage of Payment
1	On Fabrication & Mobilization	1 st	80%
2	Delivery & Installation	2 nd	20%
Note: The payment schedule will be finalized in consultation with the Consultant at the contract award stage. All the payments will be made only after we receive the original invoice to the office address.			

Submission of Proposal and deliverables:

The proposal must be submitted over email to the email id: sasi.priya@tide-india.org & iwm.accountant@tide-india.org with the following documents attached,

- Supporting documents for eligibility and evaluation criteria
- Self-certification of not being blacklisted by central/state government agencies.
- Properly filled Annexure I to V

Confidentiality and Intellectual and Other Property Rights

All reports, notes, statistics and other documents and data compiled and collected, or software developed by the Contractor under this Agreement shall be confidential and the property of TIDE. The Parties herein agree to keep the terms of this TOR all or any information which any or all of the parties herein shall become acquainted with shall not be disclosed, either directly or indirectly to third parties or be used in any way, or in any manner that would be detrimental to the business of the partners.

Sd/-
Director-TIDE

ANNEXURES

Annexure I: Letter for EOI Submission to Be Submitted on the Letter Head of the Institution

Annexure II: Information regarding any Conflicting activities and declaration

Annexure III: Details of a minimum of 5 similar works executed by the bidder.

Annexure IV: Quote/Bid FORM

Annexure V: Specifications and details of the equipment

ANNEXURE I

**LETTER FOR EOI SUBMISSION TO BE SUBMITTED ON THE LETTERHEAD OF THE
ORGANISATION**

Ref: No:

Date:

Executive Director,
TIDE, FF-1, Sapthagiri Apartments,
No.30, 10th Cross, 15th Main Road,
RMV Extension, Sadashiv Nagar,
Bengaluru – 560080

Dear Sir/Madam

We, the undersigned, offer to provide the services as required in your invitation for EOI dated: ----- . We are hereby submitting our proposal with all the requisite information and documents.

We hereby certify that all the information and statements made in this proposal are true and accept that any misstatement or misrepresentation in the enclosed documents may lead to our disqualification.

We understand that you are not bound to accept/reject any proposal without assigning any reason.

Yours faithfully

Authorized Signatory

NAME & DESIGNATION

ANNEXURE II

INFORMATION REGARDING ANY CONFLICTING ACTIVITIES AND DECLARATION THEREOF

Is the party engaged in any activities which conflict with the proposed activities of TIDE as mentioned in this document?

If yes:

Please provide information on activities the institution is engaged in, which in your opinion, is of a nature that conflicts with the assignment desired to be awarded by CoE.

If no:

We hereby declare that our organization is not either directly or indirectly engaged in any activities which can be considered conflicting activities as mentioned in the EOI document. It is understood that any misrepresentation or misstatement in this regard shall lead to our organization to be disqualified from the entire process.

Signature of the authorized signatory

Name

Designation

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TO BE SUBMITTED ON THE LETTERHEAD**ANNEXURE III****Details of a minimum of 3 similar works executed.****(Amount Rs. in Lakh)**

Sl.No.	Nature of similar work carried out	Name of the party for whom such work was carried out	The total value of the work	Period of the assignment (MM/YY)	Contact person name and mobile no.

AUTHORISED SIGNATORY

TO BE SUBMITTED ON THE LETTERHEAD**ANNEXURE IV****Quote/Bid FORM**

To

The Executive Director

TIDE

FF-1, Sapthagiri Apartments, No. 30, 10th Cross, 15th Main Rd,

Raj Mahal Vilas Extension, Sadashivanagar,

Bengaluru, 560080

I hereby offer to submit our EOI for the “Selection of Vendor for the Procurement, Delivery, and Installation of a Battery-Operated Semi-Electric Stacker (1000 kg Capacity) and a Hydraulic Hand Pallet Truck (2500 kg Capacity) at the Commercial Dry Waste Management Centre, Chikkaballapura Municipal Council, Karnataka” assignment as a Service Provider/Expert/supplier of material/services etc.

Sl No.	Parameters	Particulars/Description
1.	Name	
2.	Address	
3.	Contact Details	Email: Mobile:
4.	Total Lumpsum Cost/Fee (in Rupees) Inclusive of GST for work completed as per ToR	
5.	GST Number (If no GST please submit a declaration)	

Note: Site Visits charges will not be reimbursed.

Declaration:

I certify that the above particulars are correct. I understand and agree that if any statement is found to be false or incorrect, TIDE reserves the right to reject my application.

I certify that if awarded the assignment, I shall maintain confidentiality and shall avoid conflict of interests.

Signature:

Place:

Full name:

Date:

TO BE SUBMITTED ON THE LETTERHEAD

Annexure V

Specifications and details of the equipment