

Date: 05/03/2024

SECTION 1: REQUEST FOR QUOTATION (RFQ)

Center for Environment Education (CEE) kindly requests your quotation for the scope of work as detailed in Annex 1 of this RFQ. This Request for Quotation comprises the following documents:

Section 1: This request letter.

Section 2: RFQ Instructions and Data

Annexure 1: Schedule of Requirements

Annexure 2: Quotation Submission Form

Annexure 3: Forms for release of payments provided by Service Provider.

Annexure 4: Technical Offer

Annexure 5: Financial Offer

When preparing your quotation, please be guided by the RFQ Instructions and Data. Please note that quotations must be submitted using Annexure 2: Quotation Submission Form and Annexure 4 Technical Offer and Annexure 5 Financial Offer, by the method and by the date and time indicated in Section 2. It is your responsibility to ensure that your quotation is submitted on or before the deadline. Quotations received after the submission deadline, for whatever reason, will not be considered for evaluation.

The Financial Proposal and the Technical Proposal files must be kept entirely separate and sent via email. Each file should be clearly labelled as either the "TECHNICAL PROPOSAL" or the "FINANCIAL PROPOSAL", as appropriate. Additionally, both documents must include the Proposer's name and address. The "FINANCIAL PROPOSAL" file must be **encrypted with a password** to prevent access until the Proposal has successfully passed the technical evaluation stage. Once a Proposal is deemed responsive after the technical evaluation, the CEE will request the Bidder to provide the password for opening the Financial Proposal. It is the Bidder's responsibility to ensure that the financial proposal is properly encrypted.

Please get in touch with purchase@ceeindia.org for any required clarification.

Thank you and we look forward to receiving your quotations. The bidder should submit the bids before 13th March 2024 by 5 pm.

Issued by:

Snehal Bhatt

Purchase Officer

Section 2: RFQ Instructions and Data

Introduction:

Swachh Centres (MRF) Centres are defined as “integrated material recovery centres” for the recovery of all types of plastic waste, which is collected with support from City Municipal Corporations (CMCs) or equivalent and by the Waste Pickers (Safai Mitra’s), Service providers (SPs), in every city. The centres enable the segregation of all types of plastics, and add product value, for increased incomes of Safai Mitra. Links the waste collectors with recyclers along the value chain particularly for the low-grade, thin plastic litter bags, multi-layered plastics, PET, and rigid plastics of all types in the city.

The Swachh Centres (MRFs) are largely, integrated within the existing systems and can cater to 4-5 MTs of plastic waste per day. This can be done using different mechanical operations, Dust Air Blower (Phatka Machine); Plastic Grinder; Dry waste Sorting Conveyor Belt and Bailing Machines.

A. Scope of work:

CEE in partnership with District Rural Development Authority (DRDA), Ranchi, Jharkhand & HDFC Bank established Swachh Centre (MRF) in **Ranchi, Rural** and Installed machines to promote the segregation and processing of plastic waste.

There is a requirement for **Supply, Installation, Training and Commissioning** of Plastic Waste Recycling Machines at MRFs to be used for processing plastic waste. The specifications of Plastic Waste Recycling Machines are attached herewith in **Annexure 2**.

The bidder has to provide an Annual Maintenance Contract for the machines supplied at MRF for 1 year from the date of Installation, Commissioning, and training of the machine.

Note: Supply of machine includes the cost of packing, loading, unloading, transit Insurance and Transportation of machine.

A. Bidder’s Qualification:

- Bidder should have at least 3 years’ experience in manufacturing and supplying plastic waste recycling machines.
- Bidder should submit related works orders/completion certificates from a minimum of 3 parties in the last two financial years.
- Bidder should have done a minimum of Rs. 50 Lac works in last 2 financial years.

B. Documents to be submitted:

Bidders shall include the following documents in their quotation:

- Technical and Financial Offer duly completed and signed and by the Schedule of Requirements in Annex 3.
- Company Profile.
- Registration certificate;
- Descriptive Literature: Bidders shall provide full technical details of products being offered, including technical sheets and pictures showing details and general views. Specific details of items offered should be clearly stated as standard catalogues may offer options.
- Machine specifications with photographs of a similar machine be attached with the bid.
- Documents showing that the bidder has supplied similar machineries to private/ public sector/ government organizations – **proof of four purchase orders/ contract**.
- Documents showing that the bidder has an experience of a minimum of three (3) years of supplying of similar machineries.
- Statement of satisfactory Performance (Certificates) from the top three clients in terms of Contract value in a similar field, plus the client’s contact details who may be contacted for further information on those contracts;
- You are requested to submit the quotation through mail as per the guidelines provided below.

- The bid should be submitted on the Company letterhead.
- The Company GST number is to be mentioned.
- The bid should be signed and duly stamped.
- Bidder should submit related works orders/completion certificates from a minimum of 4 parties in the last two financial years.
- All bids should be sent in the name of Center for Environment Education, purchase@ceeindia.com
- All the applicable taxes should be mentioned in the bid.
- The bidder should submit a bid in accordance with the following:
 - File Format: PDF files only
 - All files must be free of viruses and not corrupted.

The interested bidders may proceed to request the RFQ document by sending an Email to purchase@ceeindia.org or by submitting a sealed envelope to **Centre for Environment Education, Thaltej Tekkra, Ahmedabad – 380054**. In the email or Sealed Envelope.

- C. **Duration:** The duration of said work in Annexure 2 shall be within a maximum period of 30 days from the date of receipt of the Work Order.
- D. **Payment Terms & Conditions:** The payment schedule is as follows:
- CEE shall, upon a written request from the Vendor, **allow a maximum of 40 %** of the total Contract amount as advance, after signing the purchase order.
 - After the start of fabrication of machines, pre-inspection of machines and plant and post-inspection after machines are ready for dispatch to be done by CEE representative.
 - CEE shall, upon a written request from the vendor after the successful delivery of the machine at MRF Centre, **allow 30% of the total contract amount**.
 - The Vendors may submit a request for **25% of the total contract amount** to be paid by the CEE on completion of the Supply, Installation, commissioning, and training of the machine at the MRF.
 - The payment will be made once after verification and certification of work done by the Service Provider and CEE consultant/ official (*architect/engineer*).
 - CEE shall, upon written request from the vendor release the **remaining 5% of the total contract amount** after 1 year of completion of Installation, Commissioning, and training of the machine at MRF (This provision is in place because the Vendor will furnish an Annual Maintenance Contract, and this 5% of the total contract amount will be released upon the Vendor's successful completion of their responsibilities within the Annual Maintenance Contract.)

E. **Liquidated Damages:**

Failure to comply with the Terms & Conditions of the contract will result in the payment of corresponding penalties /liquidate damages in the amount equal to 100 % of the cost of the unperformed portion for every day of delay.

F. **Penalty Clause:**

CEE reserves the right to impose a penalty up to the total value of the contract. Additionally, CEE retains the authority to withhold all pending payment amounts. This penalty is applicable in cases of non-completion of purchase orders. The purpose of the provision is to ensure accountability and adherence to the agreed- upon contractual terms.

ANNEXURE 1: SCHEDULE OF REQUIREMENTS**Technical Specifications****LOT 1: Conveyor System**

| a) Incline Conveyor Belt to Feed Dry Waste Sorting Flat Conveyor Belt (5.3 Meter) | | |
|--|------------------------------|---|
| No. | Description | Technical specifications |
| 1 | Capacity output | 500 Kg / Hr. |
| 2 | Automation | Variable Frequency Drive |
| 3 | Type and Inclination | Inclined Type and 16 degrees |
| 4 | Bearing | Pedestal Type |
| 5 | Speed Control | With VFD 5 Ft/min to 30 ft/min |
| 6 | Return Roller Dia. | 76 mm |
| 7 | Up & Return Roller Length | 900 mm |
| 8 | Carrying Roller Dia | 76 mm |
| 9 | Belt Width | 900mm |
| 10 | Belt Thickness | 5mm/ Heavy (PVC) Rubber with Cleats placed at every 350 mm |
| 11 | Conveyor Belt Length | 5300 mm |
| 12 | Motor capacity in HP | 2 HP Helical Type |
| 13 | Take-up Arrangements | Screw Type 500 mm |
| 14 | Belt Material | Rubber Type (PVC)/ Heavy Rubber |
| 15 | Pulley Head & Tail width | 140 mm |
| 16 | | 900 mm |
| 17 | Other Features/Requirements: | Hopper with volume controller for feeding the conveyor belt |
| b) Flat Dry Waste Segregation Conveyor Belt - 10 Meter | | |
| No. | Description | Technical specifications |
| 1 | Capacity output | 500 Kg / Hr. |
| 2 | Automation | Variable Frequency Drive |
| 3 | Bearing | Pedestal Type |
| 4 | Speed Control | 5 Ft/min to 30 ft/min |

| | | |
|----|------------------------------|--|
| 5 | Roller Dia. | Vendor to provide |
| 6 | Belt Thickness and Width | 5mm and 900mm |
| 7 | Conveyor Belt Length | 10 Meter |
| 8 | Motor capacity in HP | 5 HP |
| 9 | Belt Material | Rubber Type (PVC)/ Heavy Rubber |
| 10 | Other Features/ Requirement: | Flat Bed Type for Material Segregation |
| | | Provision of low Side guard on both sides of the conveyor belt |
| | | Hopper with volume controller for feeding the conveyor belt |
| | | Provision for seating arrangement for workers while sorting. |

LOT 2: Long size Baler Machine with pusher (10 HP):

| No. | Description | Technical Specifications |
|-----|-------------------------------------|-------------------------------------|
| 1 | Pressing Capacity | 50 Ton |
| 2 | Bale Size (L X W X H) Mm, Inch | 800 X 500 X 600-750(32"X20"X24-30") |
| 3 | Weight Of Bale (Pet Bottle) | 120 - 150 Kg |
| 4 | Body | Fabricated |
| 5 | Baling Chamber Size Mm, Inch | 800 X 500 X 1500 (32"X20"X60") |
| 6 | Feed Opening Mm, Inch | 800 X 600 (32" X 24") |
| 7 | Platform Size Mm, Inch | 800 X 500 (32" X 20") |
| 8 | Ejection Of Bale | By Hydraulic Pusher |
| 9 | No Of Cylinder | 2 |
| 10 | Main Cylinder (Bore X Rod X Str) Mm | Ø160 X Ø100 X 1200 |
| 11 | Pusher Cylinder (Bore X Rod) | Ø80 X Ø50 |
| 12 | No Of Belts / Slots | 3 To 4 |
| 13 | Operation | Hand Lever Operated |
| 14 | Electric Motor | 10 Hp 3 Phase 1440 Rpm |
| 15 | Oil Drive | Gear Cum Plunger |
| 16 | Oil Tank | 200 Liter |

| | | |
|----|--------------------------|-----------------------|
| 17 | Working Fluid | Hydro Enclo 68 |
| 18 | Maximum Working Pressure | 3000 Psi |
| 19 | Production Rate | 2 To 3 Bales Per Hour |
| 20 | Machine Weight | 2000 Kg \pm 5% |

LOT 3: Plastic and Dry Waste Air Blower (7.5 HP)

| NO. | DESCRIPTION | TECHNICAL SPECIFICATIONS |
|-----|-----------------------------|--|
| 1 | CAPACITY OUTPUT | 80-100 KG / HR. |
| 2 | AUTOMATION | SEMI - AUTOMATIC |
| 3 | MACHINE FABRICATED | 3 MM MS PLATE |
| 4 | FEEDING MOUTH | 15" X 15" |
| 5 | ROTOR DIA | 9 INCHES |
| 6 | MOTOR CAPACITY IN HP | 7.5 HP (CROMPTON/HAVELLS) 3 PHASE 1440 RPM |
| 7 | DRUM LENGTH & DIAMETER | DIA: 1000 MM |
| | | LENGTH: 1500 MM |
| 8 | USAGE | FOR CLEANING DUST FROM PLASTIC WASTE |
| 9 | Other Features/requirement: | Materials to use for: All soft Plastics |
| 10 | | Duct at feeding mouth for the safety of the machine operator |
| 11 | | Duct to control the ejection of cleaned sheet |
| 12 | | Bearing - Pedestal Type |
| 13 | | Rotor - Dynamically Balanced |
| 14 | | Dedicated Control Panels for Push Button operations |
| 15 | | Cloth Bag for dust collection |

LOT 4: Plastic Grinder (10 HP)

| S. No. | Description | Technical Specifications |
|--------|--------------------------------|--|
| 1 | Chamber Size | 15" |
| 2 | Electric Motor | 10 HP (Crompton/Havells 3 Phase 1440 Rpm) |
| 3 | Output Screen Size (Zali) | 10 MM |
| 4 | Production Capacity | 40-50 Kg / Hr. (For PET) |
| 5 | | 80-100 Kg / Hour |
| 6 | No Of Rotors | 2 |
| 7 | No Of Moving Blades | 6 |
| 8 | No Of Fix Blades | 2 |
| 9 | Dimension S Of Blade | Fix – 7.5", 2 No. |
| | | Moving – 7.5", 6 No. |
| 10 | Overall Dimensions (L X W X H) | 1090 X 580 X 1500 MM |
| 11 | Chamber Wall Thickness | 10- 12 Mm Thick MS Plate |
| 12 | Casting | Heavy Duty MS Casting |
| 13 | Other Features / Requirements | Rotor Shaft – Equi. Balanced Shaft |
| 14 | | Starter Will Be Provided with Overload Control |
| 15 | | One Spare Blade Set Will Be Provided |
| 16 | | 2 Spare Mesh Will Be Provided |

NOTE:

Acceptable variations in dimensions of the machinery: +/- 5%

User / Technical manuals are to be supplied in English.

THE OFFERED PRODUCTS ARE IN ACCORDANCE WITH THE REQUIRED
SPECIFICATIONS AND TECHNICAL REQUIREMENTS:

YES

NO

ANY DEVIATIONS MUST BE LISTED BELOW:

Signature

Name _____

Designation with stamp

Date

—

| Delivery Requirements | |
|---|---|
| Delivery date and time | Bidder shall complete the delivery and installation within 30 Days from the issuance of Contract. |
| Customs clearance | Shall be done by: <input checked="" type="checkbox"/> Supplier/bidder |
| Exact Address(es) of Delivery Location(s) | Dahu Village, Panchayat Barwe, Block Ormanjhi, Ranchi - 835219 |
| Distribution of shipping documents (if using freight forwarder) | Not Applicable |
| Packing Requirements | Applicable |
| Training on Operations and Maintenance | Applicable |
| Warranty Period | 12 months. |
| After-sales service and local service support requirements | Applicable |
| Annual Maintenance Contract | Applicable |
| Preferred Mode of Transport | Not Applicable |

Delivery Location:

The shipment will be delivered to the following location. The detailed delivery address is 'Dahu Village, Panchayat Barwe, Block Ormanjhi, Ranchi - 835219'.

| City | LOT 1 Conveyor System | LOT 2 Long size Baler Machine with pusher (10 HP) | LOT 3 Plastic and Dry Waste Air Blower (7.5 HP) | LOT 4 Plastic Grinder (10 HP) |
|--------|--------------------------|--|--|-------------------------------------|
| Ranchi | 1 | 1 | 1 | 1 |

NOTES:

1. The products/goods/parts of machineries must be recalled by the manufacturer/ bidder/ supplier at the manufacturers/ bidder/ suppliers cost if rejected by CEE/ purchaser or end user because of the problems with quality. The supplier/ bidder/ manufacturer will be obliged to replace the products/goods/parts of the machineries in question at its own cost with a new one of acceptable quality.
2. Detailed delivery and installation addresses will be provided at the time of award of the contract.
3. The supplier will be responsible for the protection of materials, property and equipment before successful delivery and handover to CEE.
4. **Package prices quoted must be inclusive of all costs necessary to supply these items, including delivery, one-year warranty, transport cost, insurance, materials, installation, training and commissioning etc.**
5. Supplier to submit the focal point contact details for warranty issues for the duration of the warranty period.

ANNEXURE 2: QUOTATION SUBMISSION FORM

Bidders are requested to complete this form, including the Company Profile and Bidder's Declaration, sign it and return it as part of their quotation along with Annex 3: Technical and Financial Offer. The Bidder shall fill in this form in accordance with the instructions indicated. No alterations to its format shall be permitted and no substitutions shall be accepted.

| | | |
|-----------------|--|-------|
| Name of Bidder: | | |
| RFQ reference: | | Date: |

Company Profile

| Item Description | Detail |
|---|--------|
| The legal name of the bidder or Lead entity for JVs | |
| Legal Address, City, Country | |
| Website | |
| Year of Registration | |
| Legal structure | |

| | |
|------------------|--|
| Bank Information | Bank Name: Bank Address: IBAN: SWIFT/BIC: Account Currency: Bank Account Number: |
|------------------|--|

| Previous relevant experience | | | | |
|------------------------------|---|----------------|--------------------|--------------------------------|
| Name of previous contracts | Client & Reference Contact Details including e-mail | Contract Value | Period of activity | Types of activities undertaken |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

Bidder's Declaration

| Yes | No | |
|--------------------------|--------------------------|---|
| <input type="checkbox"/> | <input type="checkbox"/> | Annual Maintenance Contract: I/We will provide servicing and replacement of parts for the machines supplied, if necessary, under the Annual Maintenance Contract for one year from Installation, Commissioning, and training of the machines at MRF. Any part replacements will not adversely affect the quality or output capacity. |
| <input type="checkbox"/> | <input type="checkbox"/> | Requirements and Terms and Conditions: I/We have read and fully understand the RFQ, including the RFQ Information and Data, Schedule of Requirements, the General Conditions of Contract, and any Special Conditions of Contract. I/we confirm that the Bidder agrees to be bound by them. |
| <input type="checkbox"/> | <input type="checkbox"/> | I/We confirm that the Bidder has the necessary capacity, capability, and necessary licenses to fully meet or exceed the Requirements and will be available to deliver throughout the relevant Contract period. |
| <input type="checkbox"/> | <input type="checkbox"/> | Ethics: In submitting this Quote I/we warrant that the bidder: has not entered into any improper, illegal, collusive or anti-competitive arrangements with any Competitor; has not directly or indirectly approached any representative of the Buyer (other than the Point of Contact) to lobby or solicit information in relation to the RFQ; has not attempted to influence, or provide any form of personal inducement, reward or benefit to any representative of the Buyer. |
| <input type="checkbox"/> | <input type="checkbox"/> | I/We confirm to undertake not to engage in proscribed practices, , or any other unethical practice, with the UN or any other party, and to conduct business in a manner that averts any financial, operational, reputational or other undue risk to the CEE and acknowledge that it provides the minimum standards expected of suppliers to the CEE. |
| <input type="checkbox"/> | <input type="checkbox"/> | Conflict of interest: I/We warrant that the bidder has no actual, potential, or perceived Conflict of Interest in submitting this Quote or entering a Contract to deliver the Requirements. Where a Conflict of Interest arises during the RFQ process the bidder will report it immediately to the Procuring Organization's Point of Contact. |
| <input type="checkbox"/> | <input type="checkbox"/> | Prohibitions, Sanctions: I/We hereby declare that our firm, its affiliates or subsidiaries or employees, including any JV/Consortium members or subcontractors or suppliers for any part of the contract is not under procurement prohibition by the CEE, including but not limited to prohibitions derived from the Compendium of CEE Sanctions Lists and have not been suspended, debarred, sanctioned or otherwise identified as ineligible by CEE. |
| <input type="checkbox"/> | <input type="checkbox"/> | Bankruptcy: I/We have not declared bankruptcy, are not involved in bankruptcy or receivership Proceedings, and there is no judgment or pending legal action against them that could impair their operations in the foreseeable future. |
| <input type="checkbox"/> | <input type="checkbox"/> | Offer Validity Period: I/We confirm that this Quote, including the price, remains open for acceptance For the Offer Validity. |
| <input type="checkbox"/> | <input type="checkbox"/> | I/We understand and recognize that you are not bound to accept any Quotation you receive, and we Certify that the goods offered in our Quotation are new and unused. |
| <input type="checkbox"/> | <input type="checkbox"/> | By signing this declaration, the signatory below represents, warrants and agrees that he/she has been Authorized by the Organization/s to make this declaration on its/their behalf. |

Signature: _____

Name:

Title:

Date

Annexure 3

FORM A: "CONSIGNEE ACCEPTANCE CERTIFICATE"

(To be given by consignee's authorized representative)

The following goods have been received.

1. Name of the item supplied (with Make & Model) :-
2. Purchase Order/Contract No :-
3. Name of the Supplier:-
4. LOT No :-
5. No. of Units supplied:-
6. Place of destination:-
7. Invoice No. & Date:-
8. Name and Address of the Consignee:-
9. Date of receipt by the Consignee:-

The undersigned hereby certifies that the aforesaid goods have been received in good condition and accepted.

Signature_____

Name_____

Designation with stamp_____

Date_____

Countersigned by:

Signature_____

Name_____

Date_____

NOTE This certificate is to be filled up and issued by authorized representative of the consignee and is to be duly stamped and countersigned by the supervisor.

FORM B: SATISFACTORY INSTALLATION, TRAINING & COMMISSIONING CERTIFICATE

This is to certify that the goods as detailed below have been satisfactorily installed and commissioned and training provided in respect of their operational use:

- a) Purchase Order/ Contact No: _____ date _____
- b) Description of the machinery (with make & model no.): _____
- c) Batch/Serial Number(s) of the goods: _____
- d) Quantity: _____
- e) Name of the consignee: _____

The supplier has fulfilled his contractual obligation with regard to the following services:

- a) Satisfactory Installation, Performance and commissioning/start-up of machinery.
- b) Furnishing of tools required for assembly and / or maintenance of the
..... (Enter name of machinery with make & model)
- c) Furnishing detailed operation and maintenance manual for each item of supply at each location.
- d) Training of the operators/users in operating the equipment to the satisfaction of the consignee.

Signature _____

Name _____

Designation with stamp _____

Date _____

Countersigned by:

Signature _____

Name _____

Date _____

NOTE This certificate is to be filled up and issued by representative of the consignee and is to be duly stamped and countersigned by the supervisor.