

**Directorate of Urban Development**

Palika Bhawan, Talland, Shimla, Himachal Pradesh-171002

Phone: [0177 262 6518](tel:01772626518)



**Expression of Interest**

**FOR**

**The Empanelment of Companies/Agencies/ Firms for the Installation &  
Commissioning of  
Material Recovery Facility (MRF) Centres and Machineries in Solid Waste  
Management of Urban areas of HP**

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## Introduction

The waste management has become a crucial issue in urban areas across the State, particularly with increasing urbanization, population density, and the influx of tourists. To meet the growing demand for sustainable waste management, there is a need to create well-equipped, efficiently operated MRFs that can support the segregation, recovery, and recycling of Municipal Solid Waste(MSW) from these areas. The Directorate of Urban Development intends to develop and install Material Recovery Facilities(MRF) in Urban Local Bodies in Himachal Pradesh. In pursuance of this, online bids through <http://www.hptenders.gov.in> are invited for the empanelment of agencies to develop and install Material Recovery Facilities(MRF) as per design and specification(s). The basic requirements for the development of the Material Recovery Facility, with different capacities, are as per the scope of work mentioned below.

### 1. Data Sheet

Tender Name and Number	Empanelment of Companies /Agencies/ Firms for the Installation & Commissioning of Material Recovery Facility (MRF) Centres and Machineries in Solid Waste Management of Urban areas of HP  MRF-UD/2025-26/3288
Tender fee	Rs 15000
EMD	EMD for Procurement: Rs 4 Lakh
Date of Online Publication	16/01/2026 at 3:00 PM
Pre-Bid Date	21/01/2026 at 11:00 AM  1. No queries will be entertained after the pre-bid. 2.Only online queries will be entertained.
Bid Submission End Date	06/02/2026 up to 11:00 AM
PBG	PBG for Procurement : @ 5% of awarded Contract Value
EMD/Tender Fee should be deposited in mentioned Bank Account No.  No Physical (Cash/DD/Cheque etc.) EMD / Tender fee will be received in cash.	Directorate of Urban Development HP Bandhan Bank Branch: - 1 <sup>st</sup> floor, Chhajta Heights, Sanjauli Shimla, Himachal Pradesh  A/C no: - 20200133453392  IFSC code: - BDBL0001731

Office Address of the Bid inviting authority	Director Urban Development Himachal Pradesh, Palika Bhawan, Talland, Shimla-171002
Contact Details	Phone No. 0177-2626518 0177-2809806
E-mail ID	E-mail: - ud-hp@nic.in
Bid Validity	180 days

## 2. Scope of Work

### 2.1 Machineries and Equipment's required

1. Weigh Bridge (10 Ton capacity and 20Ton capacity)
2. Ballistic Separator
3. Shredder (different capacities)
4. Flat Sorting Conveyor Belts
5. Magnetic Separator (5 & 10 TPD)
6. Hydraulic baling Machine (5 & 10 TPD)
7. Wheelbarrow (Two-wheel types as per IS:4184)
8. HDPE wheeled Container bins
9. Pallet Truck
10. OWC 1 TPD
11. CCTVs with 5 megapixels with cloud storage feature and hard disc (30 days storage capacity), night colour vision.
12. Fire Extinguishers (CO2 -4 kg and ABC fire extinguisher -4 kg)
13. Electrical & water supply and Sanitation
14. Air Blower (Fine heavy fraction) for dust remover (Fattka machine)
15. PPE Kit, Earth Leakage Circuit breaker, Electronic & Electrical appliances.
16. First Aid Box, etc.

*(The item-wise detailed specifications are at Annexure-A)*

## 3. Specifications

Specifications of Machineries/Equipment's required for material Recovery Facilities in ULBs are mentioned in “**Annexure-A**”.

#### 4. Eligibility Criteria

Sl. No.	Particulars	Documents to be submitted	Documents required
1.	The participating bidder should be a registered government supplier / PSU / Limited Company / LLP / Section 8 Company / Society act.	A valid Certificate of Incorporation/ registration certificate from the authorized agency should be attest.	For supply of products
2.	The participating agency should provide ITRs of the three years: a. 2022-2023 b. 2023-2024 c. 2024-2025	Duly certified by CA.	For supply of products
3.	The manufacturer is required to submit the manufacturing certificate, i.e. (Udyog Aadhar Memorandum)/Udyam registration for requisite/quoted item(s) and be registered with the Industries Department of any State Govt., Govt. of India.	Valid certificate to be provided.	For supply of products
4.	Participating Agency should provide PAN/GST number.	A copy of the documents should be attached.	For supply of products
5.	The bidders/tenderers will have to deposit(EMD) of Rs. 4 Lakh for Product Procurement for this tender, which should be deposited in the given Bank account. Proof of payment of EMD must accompany the bid document. Any bid without the Earnest Money shall out rightly be rejected.	Relevant documents to be provided.	For supply of products
6.	The bidder should not be blacklisted by any Govt. Institution must submit an affidavit to this effect.	Non-Blacklisting Certificate duly notarized should be attached.	For supply of products
7.	Bidder/Authorized dealer/ Original Equipment Manufacturer (OEM), should have minimum Rs 2 crore turnover on an	Turnover certificate duly attested by the	For supply of products

	average in last 3 years i.e. 2022-2023,2023-2024,2024-2025.	CA should be attached.	
8.	The bidder/authorized dealer should provide the Solvency certificate of Rs. 50 Lakh.	Valid certificate from the concerned bank should be attached.	For supply of products
9.	The bidder/authorized dealer other than OEM should provide the authorization certificate from the OEM for supply of the article. (In case of equipment's)	Authorization certificate from the concerned OEM	For supply of products
10.	The bidder/authorized dealer should provide the BIS certificate of the product to be supplied.	Valid certificate from the concerned bank should be attached.	For supply of products
11.	Bidder/OEM /authorized dealer should have proof of documents for the development and installation of MRFs or machinery / equipment, etc. required in MRF to the Govt. Department/ PSUs/Private Ltd. Companies in the last 5 years of following values: <ol style="list-style-type: none"> <li>1. Three similar completed work orders of supply of product/products costing not less than the amount of 80 Lacs.</li> <li>2. Two similar completed work orders of supply of product/products costing not less than amount of 100 Lacs.</li> <li>3. One similar completed work orders of supply of product/products costing not less than the amount of 160 Lac.</li> </ol>	Installation certificate/work orders completion certificate should be attached.	For supply of products

***Note: - The bidders who will qualify the eligibility criteria would be considered for technical evaluation.***

## 5. Technical Evaluation Criteria for Machineries and Equipment's

Sl. No.	Particulars	Documents to be submitted	Marks (100)
1.	<p>Bidder/Authorized dealer/ Original Equipment Manufacturer (OEM), should have Rs 2 crore turnover on an average in last 3 years i.e. 2022-2023,2023-2024,2024-2025.</p> <p>1. Turnover up to 2 Cr. - 7 Marks 2. Turnover from 2 to 5 Cr. -15 marks 3. Turnover above 5 Cr. – 25 Marks</p>	Turnover certificate duly attested by the CA should be attached.	25
2.	<p>For successfully completed similar works of amount equal to</p> <p>1. 80 Lacs to 100 Lacs- 5 Marks/ project 2. More than 100 Lacs to 160 Lacs- 6 Marks/Project 3. More than 160 Lacs- 10 Marks/Project</p> <p>Maximum up to – 30 Marks</p>	Installation certificate/work orders completion certificate should be attached.	30
3.	<p>The Bidder/OEM/Authorized dealer should submit following valid certificates</p> <p>1. ISO 9001:2015 – 4 marks 2. ISO 14001:2015 – 4 marks 3. ISO 10002:2018 – 4 marks 4. ISO 5001:2018 – 4 marks 5. ISO 45001:2018 – 4 marks</p>	Copy of Documents	20
4.	<p>A performance capacity demonstration of randomly picked or all offered instruments through online mode followed by offline visit if required.</p> <p><i>(Date and Time of online product demonstration will be intimated separately)</i></p>	15 minutes demonstration	25
	Total		100

*Note: -*

- 1. The Bidder/OEM/Authorized dealer should provide a minimum of one-year onsite warranty for the machinery and equipment etc. of MRF to be supplied under this tender agreement.*
- 2. The preference will be given to the bidder who will supply the Make in India products.*
- 3. The technical evaluation will be done by the authorized committee of the department on the basis of online documents submitted by the prospective bidders. The bidder having 70% of total marks out of 100 will qualify for opening of financial bid.*
- 4. This tender is for the empanelment of agencies for procurement of goods at ULB level. Therefore, more than one agency can be empanelled for each item as per the eligibility criteria of the tender document for supply of goods. The duration of the empanelled agency will be for 2 years initially. The extension will be given subject to the work and conduct of the agency further project period.*
- 5. As this is the item wise tender hence L1 rates of specific article will be consider for empanelment of the bidder for supply of article and each technical qualified Bidder has to submit/ quote lowest rate against each item to become a L1 Bidder against that item.*
- 6. It will be the prerogative of the department to decide the number of vendors for empanelment as per the requirement of the department and the department may cancel the empanelment any vendor on the basis of work and conduct.*
- 7. The Department may empanel more than one agency for execution of this work after matching the L1 rates, for which offer will be given to all the qualified bidders to match the L1 rates.*

## **6. Technical Bid Guidelines**

1. Offers are acceptable in ONLINE mode only.
2. Confirmation of deposit of processing /tender fee. (Original copy of receipt attached with tender) is mandatory.
3. The detailed “**Technical Bid**”, Contains Introduction, Bidder’s Profile, Guidelines, “Terms & Conditions of business”, Undertaking, respectively along with bid.
4. The Successful/Approved Bidder will have to execute an agreement with the department for supply of products/services.
5. The consignor should satisfy himself of the terms of business stipulated in the Tender Form prior to submitting the rates.



6. Please attach undertaking/declaration on affidavit duly attested by the authorized person of the agency.
7. Rates/Offer sent through telefax/telegram/packs/e-mail shall not be acceptable.
8. The bidder shall bear all costs associated with the preparation and submission of its offer, ULB will not be responsible or liable for these costs, whether the offer is finally accepted or not.
9. The bidder is expected to examine the document carefully. Failing to furnish information required as per the offer, the Tender document may result in the rejection. Incomplete form will out rightly be rejected.
10. The rates once submitted cannot be amended.
11. The offer will be opened on **06/02/2026 at 2.00 PM** in the presence of the representative of the agencies/firms if they wish to be present. Only one representative of the agency/firm would be permitted to participate in the tender opening process with authorization letter of the agency.
12. All the columns of the offer document and the check list must be properly, neatly & legibly filled in. There should be no overwriting. Documents filled with lead pencil will not be considered/acceptable.
13. The detailed specification and brand name, ISI/ISO/BIS etc. specifications, wherever required be given by the party while offering rates.

## **7. Instructions to Bidder**

1. The Tenderer(s) offering bid(s) should offer rates only for those items/products for which it is a OEM/ Authorised Dealer having valid dealership/authorisation certificate failing which the offer shall not be considered.
2. The tender shall comprise two separate folders in a Pdf format. The Pdf contain separate Technical Bid comprising INTRODUCTION, BIDDER's PROFILE, GUIDELINES, TERMS & CONDITIONS", along with UNDERTAKING in the first folder as **Technical Bid** and in second folder containing **"FINANCIAL BID in the shape of BOQ on excel sheet.**
3. Initially, only the folder marked: Technical Bid containing shall be opened. No decision regarding disqualification or rejection of any bid shall be conveyed in bid opening session.
4. The folder marked as FINANCIAL BID shall be retained in the custody without being opened.
5. During the technical evaluation no amendments in the technical bid/proposal shall be permitted or mentioned in the bid document by the department.

6. This tender is item wise tender therefore the prospective bidders should provide the financial quotes in BOQ individually for each item mentioned in the scope of work against procurement of works. The details of articles are at Annexure-A.
7. The Financial Bid shall be opened publically at a time, date and place/venue announced and communicated to the technically qualified bidders in advance.
8. After the evaluation and approval of the technical proposal, the FINANCIAL BID shall be opened. The financial bid found technically non-responsive shall not be considered.
9. Unreasonably higher or lower rates in comparison to the existing market rates quoted by the bidder will be rejected straight away. However, it will be the prerogative of the department to compare the rates with local market.
10. Procedure of finalization of supply rates: - Urban Local Body (ULB) shall finalize the rate of items/products to be supplied on competitiveness of rates i.e. L1 basis. The responsibility of the quality shall be determined and assured both by the concerned ULB Officer and the firm/party. After Sales service and replacement of products wherever required shall be done by the parties at their cost and risk. Failing to provide such service will tantamount to forfeiture of Performance security & blacklisting of the consignor party.
11. The rates quoted and accepted will be binding on the tenderer/bidder for full contract period and any increase in the price will not be entertained till the completion of contract period. However, the re-validity period up to further one year at same rate, terms & conditions etc. with the consent of supplier may be allowed subject to the approval of the authority.
12. No minimum or maximum quantity is in the rate contract. The actual quantity may vary from nil to maximum required quantity during validity period of Rate Contract as per the availability of budget.
13. The Department reserves the right to conclude one or more than one Rate Contract for the same item.
14. The Department is entitling to place purchase order up to the last day of validity of RC and, though supplies against such purchase order will be effected beyond the validity period of the Rate Contract. All such supplied will be guided by the terms & conditions of the Rate Contract.
15. All expenditure (including taxes) towards freight/transportation, and other incidentals incurred on supply of items including insurance shall be borne by the Consignor's. Goods to be supplied by the consignor's on F.O.R.
16. The Manpower of the selected agency (if deployed) will work under the overall supervision and control of the concerned ULB Officer. However, if concerned office/ULB finds any misconduct/ delay in execution of work by the deployed

manpower in this case it will be the prerogative of the department to replace the recent manpower.

17. As per the recommendation given by the concerned ULBs regarding failing to supply the material or to delay in execution of the work in stipulated time period by the concerned agency, then the said agency will be debarred to execute the work and to compete the further tender in UD department for next 5 years. However suitable penalty will also be imposed as per the terms laid down in the tender document
18. In case of any complaint from the customers regarding the quality of the product, the party shall be solely responsible and the replacement of goods, if ever, shall be at the cost of party/firm. The decision of the concerned ULB in the matter shall be final.
19. Any dispute in the business/deal shall be settled by mutual negotiation.
20. Employees of the Urban Development Department/ULB or their relation cannot take part in the tender.
21. The tender opening committee reserves the right to accept or reject any or all offer without assigning any reason(s) and also reserve the right to cancel the tender at any stage without assigning any reason.
22. Parties or its/their associated firms/associates etc. who are/were in dispute or are/were having court cases against Urban Development Department/ ULB are not eligible to participate in this tender.
23. Conditional offer/tender will be out rightly rejected.
24. The items listed to be sold be given with detailed specification and brand name of manufacturers.
25. Only registered parties will be eligible for effecting supplies (after the rates are finalized and circulated) who have participated.
26. The parties will submit the rates on the prescribed products specification.
27. The parties shall identify the Urban Local Body (ULB) against any loss suffered by it due to non-performance of their obligations relating to customer service, maintenance of quality, delivery, etc., and shall be solely responsible for all consequences thereof.
28. The parties shall also identify the Urban Local Body (ULB) against any liability incurred by it towards any third party, in any manner whatsoever, arising from transactions made under this agreement.
29. Firms/parties should not be blacklisted by any Govt. department/Departments/ Corporations there in the form and an undertaking to this effect should be submitted.

30. Every page of Tender document should be duly signed and stamped by the firms/parties.
31. This Tender/bids is subject to the jurisdiction of the local court at Shimla only. All dispute arising out of the Expression of Interest shall have the jurisdiction of the local courts situated at Shimla only.
32. The supplier/bidder shall furnish Certificate of Quality Control (Analysis Report/Test or Laboratory Report) of the product(s) on its own cost as & when required by the ultimate customer/ purchaser from independent agency or any other agency approved/accredited by the State or Central Govt. that the product is uniform in price, size & colour, material used as per the specification(s). The supplier will provide free of cost facilities to the inspecting agency, in case it is desired by the purchaser, for taking samples.
33. The supplier shall invariably furnish the certificate to the effect that the product supplied under the contract are correct as to quantity, quality, rate and total value and the payment is due in accordance with the terms of contract/agreement.
34. The ultimate purchaser reserves the right, in its option & cost, to have material/product inspected before supply/shipment in regard to quality and specification. The supplier shall tender the material/product for inspection to the ultimate purchaser and supply shall be effected only after the material is inspected.
35. The Bidder must submit Test Report(s) for the items, wherever required by the Consignee ULB for products confirming to IS specification of quoted items from the National Accreditation Department for Testing and Calibration Laboratories (NABL) accredited Laboratories in India (not more than 2 years old at the time of demand). The test report should be in the name of the participating/manufacturing firm/company for requisite items/codes. The bidder/firm will have to bear the cost of testing.
36. The Bidder must submit samples to ULB whenever asked for/required. Such samples must be submitted and delivered in person or through authorised representatives to the consignee department/office/ Department. Sample should bear a seal label, marked with the tenderers/bidders name and address and reference to the item No. in the List of items. The undertaking to this effect be submitted.
37. The final supply of machinery/equipment etc. will be subject to inspection of the same at the factory/site of the supplier(s) by the monitoring committee/technical member(s) duly approved by the ULB and satisfactory report thereof submitted by the said committee/technical members(s) if required.
38. It will be the prerogative of the department to increase/ decrease the quantity of works/ products (+) (-) 25% of the work order as per the budget availability and requirement of the department.

39. The L1 agency will be liable to work related services required to achieve full delivery/ completion of work/ installation/ commissioning/ training to use the articles/ technical support/ after sale services and annual maintenance requirements. If the agency fails to provide these services than appropriate penalty as per the penalty clause will be imposed by the Department.

## **8. GENERAL INSTRUCTIONS TO BIDDERS**

### **8.1 Read the Tender Carefully**

**8.1.1** Bidders must read the entire tender document—including eligibility criteria, guidelines, terms & conditions, code of conduct, and formats, before submitting their bid.

**8.1.2** The Department will not accept excuses later such as misunderstanding” or “missed information.”

### **8.2 Selection Criteria**

**8.2.1** Only bidders/ Original Equipment Manufacturer who have minimum RS 2 crore turnover.

**8.2.2** The ULB may at its discretion

- Conduct negotiations with the bidder.
- Reject a proposal if the price is found unreasonable or non-workable.
- Seek clarifications or supporting documents

### **8.3 Award of Services**

ULB will issue Letter of Intent (LOI) to the empanelled vendor. However, the ULB may allocate the work to the one empanelled vendor as per the availability of the funds. A Letter of Award (the “LOA”) shall be issued, to the empanelled vendor within 7 (seven) days after acceptance of work and the vendor will sign the contractual agreement with the concerned ULB.

### **8.4 Bidder Must Provide Free Service**

**8.4.1** Six free services (every 2 months) in one year.

**8.4.2** One-month free onsite training to ULB workers.

**8.4.3** Free grease, oil, accessories, tools during installation.

This is mandatory and failure will lead to deductions/blacklisting.

### **8.5 Price Fall Clause:**

The offer of rates by the Tenderer/bidder will be subject to price fall clause i.e. if any item is offered at a lower rate by the tenderer/bidder to any other State Party in Himachal Pradesh, he/she shall not charge higher rate for the item offered in the tender. In the event of that the differential amount shall be recovered from him/her and can be blacklisted for future supplies in Government Departments of the State. The quoted rates shall be applicable for two (2) year from the date of award of contract.

## **8.6 Execution of Agreement**

**8.6.1** After acknowledgement of the LOA as aforesaid by the Selected Applicant, it shall execute the Contract Agreement within the period of 15 days from the date of award of the LOA.

## **8.7 Settlement of Disputes**

### **8.7.1 Amicable Settlement**

Both parties should attempt to resolve disputes amicably; however, the Department's interpretation of contract clauses will prevail during the contract period.

**8.7.2** The Parties shall use their best efforts to settle amicably all disputes arising out of or in connection with this Agreement or the interpretation thereof.

- a. Dispute Settlement.
- b. Any dispute between the Parties as to matters arising pursuant to this Agreement, which cannot be settled amicably within thirty (30) days after receipt by one Party of the other Party's request for such amicable settlement, may be submitted by either Party for settlement. If the dispute(s) is not resolved amicably then it shall be referred to arbitration and shall be dealt as per the provisions of the Arbitration Conciliation Act 1996. For all purposes, the Local Civil Court shall have jurisdiction only in exclusion to any other jurisdiction specified under any other Act.

## **8.8 Penalty**

The review of the work will be done by the concerned constituted committee of ULB and in case of any deviation of the work from the contract agreement, and a penalty shall be imposed as mentioned below.

1.	Delay up to 15 days from the prescribed period for work execution/ product supplies.	2% of the cost for delayed work/ products to be supplied.
2.	Delay for more than 15 days from the prescribed period for work execution/ product supplies	5% of the cost for delayed work/ products to be supplied.
However the maximum penalty should not be more than 10% of the cost.		

## **8.9 Force Majeure**

**8.9.1** In the event of either party being rendered unable by Force Majeure to perform any obligation required to be performed by them under this Agreement, the relative obligation of the party affected by such Force Majeure shall, upon notification to the other party be suspended for the period during which such cause lasts.

**8.9.2** The term "Force Majeure" as employed herein shall mean Act of God, floods, tempest, war, civil riot, fire and Acts, Rules and Regulations of the respective government of the two parties namely ULB and the Bidder, directly affecting the performance of the Contract.

**8.9.3** Upon the occurrence of such cause and upon its termination, the party alleging that it has been rendered unable as aforesaid thereby shall notify the other party in writing within seventy-two hours of the alleged beginning and ending thereof, giving full particulars and satisfactory evidence in support of its claim.

**8.9.4** Time for performance of the relative obligation suspended by the Force Majeure, shall then stand extended by the period for which such cause lasts.

## 9. Payment Clause

Payment of Deliverables	Percentage	Remarks
Advance as per HPFR 2009 & GFR 2017	Up to 25 % (of Total Contract Value) (The advance will be against the EPBG of Equivalent amount)	For Mobilisation/ Fabrication Works/ Turnkey Projects subject to the submission of adjustment account before submission of payment invoice to the department
Delivery of Items at DDP (including insurance) at destination level. <i>Note: The delivery should at FOR destination as mentioned in the work order.</i>	60 % (of Total Contract Value)	On successful delivery of articles, subject to production of receiving from the concerned institutions
Installation & commissioning of project	10% (of Total Contract Value)	On successful installation of articles subject to production of installation certificate from the concerned institutions
Submission of report of one-month successful running of plant	5 % (of Total Contract Value)	On satisfactory report from the appellate authority.

Director,  
Directorate of Urban Development, Shimla  
Himachal Pradesh



## Specifications of Machineries/Equipment's

Sr. no	Details of Machinery/ Equipment required for Material Recover Facilities in ULBs		Offered brand & its specifications which should be equal or higher	Deviation if any from the requested specifications
1	Weigh Bridge 10 ton capacity	Parameter	Specifications	
		Weigh Bridge Type	Electronic Pitless Type	
		Platform material & Size	High Tensile Structural Steel as per IS:2062:2006 Should be anti-skid type.	
			Thickness of platform plate not less than 10 mm Size 4.8 metre and 2.8 metre (length X width)	
		Weighing Capacity	10 Tonne	
		Load cell	4 Load cell with Nickel plated alloy steel body	
		UPS	30 minute backup	
		Printer	Laser	
		Display modes	Indicate weight	
			Indicate calibration-Auto zero tracking	
			Calibration to be checked automatically every 5 minutes	
		Indicator Units	Kg	
		Least count	2 Kg	
		Type/capacity of load cell	Digital double ended shear beam load cells, pre-calibrated load	
			cells – 5000/kg (04 No.) with mounting kits	
		Accessories of Junction Box	Cables: Home run cable 20 metre & inter connections cable	
		(01 Set)	between load cell and junction box & weighing electronics 2 m.	
		Electric supply	3 Phase (440 V 50Hz)	

		Surface finish on metal	Powder coating/ paint		
		parts			
		Electric supply	3 Phase (440 V, 50 Hz)		
		Machine metal part Powder/paint			
2	Weigh Bridge 20 ton capacity	<b>Parameter</b>	<b>Specifications</b>		
		Weigh Bridge Type	Electronic Pit less Type		
		Platform material & Size	High Tensile Structural Steel as per IS:2062:2006 Should be anti-skid type.		
			Thickness of platform plate not less than 10 mm Size 4.8 metre and 2.8 metre (length X width)		
		Weighing Capacity	20 Tonne		
		Load cell	4 Load cell with Nickel plated alloy steel body		
		UPS	30 minute backup		
		Printer	Laser		
		Display modes	Indicate weight		
			Indicate calibration-Auto zero tracking		
			Calibration to be checked automatically every 5 minutes		
		Indicator Units	Kg		
		Least count	5 Kg		
		Type/capacity of load cell	Digital double ended shear beam load cells, pre-calibrated load		
			cells – 5000/kg (04 No.) with mounting kits		
		Accessories of Junction Box	Cables: Home run cable 20 metre & inter connections cable		
		(01 Set)	between load cell and junction box & weighing electronics 2 m.		
		Electric supply	3 Phase (440 V 50Hz)		

		Surface finish on metal	Powder coating/ paint		
		parts			
		Electric supply	3 Phase (440 V, 50 Hz)		
		Machine metal part	Powder/paint		
3	Ballistic Separator	<b>Parameter</b>	<b>Specifications</b>		
		Capacity	5 TPD		
		Duty of Operation	Heavy duty		
		No. of Paddles	4 nos		
		No of crank shafts	8 nos		
		Material	Mild Steel		
		Casing thickness	10 mm		
		Range for degree of adjustment	6 degree		
		Overall size of machine	L- 2500 mm X W-1000 mm X H-1250 mm		
		Effective Width	2900 mm		
		Angular Adjustment	Screw jack type		
		Screen Type	Mesh/ MS flat (8 mm thick)		
		Paddle Perforation	50 mm x 50 mm		
		Cam Shaft dia	150 mm (at bearing)		
		No of paddle drive	1 no		
		Paddle drive power	11 kW		
		Paddle width	253 mm		
		Paddle length	2300 mm		
		No of screening paddle	4 nos.		
		Paddle drive type	Helical SF2 (Parallel Shaft)		

		Paddle Shaft MOC	EN-33		
		Paddle MOC	Wear resistant steel hard ox 400		
		Sieve screen MOC	Wear resistant steel hard ox 400		
		Central lubrication system	Automatic with timer		
		No of air blower (High Separation efficiency)	2 nos		
		Motor rating for air blowers	1 kW (VFD Controlled)		
4	Flat Sorting Conveyor Belts for 5TPD	<b>Parameter</b>	<b>Specifications for 5 TPD</b>		
		<b>Conveyor Belts 1 (Feeding Conveyor Belt 1)</b>			
		Type	Flat roller type belt conveyor		
		Motor	2.25 kW (3 HP), 1440 RPM, TEFC (Totally Enclosed Fan Cooled) copper wire, conforming to IS : 13730,		
			3- phase, 4- pole		
		Inclination	20° Inclined flat		
		Length of Conveyor	Approx. 4 m from End to End of conveyor		
		Size of belt	800 mm wide ( working width 600 mm)		
		Belt Specification	Chevron rubber belt, 3 ply, 3 mm top, 1.5 mm bottom rubber covering, total belt thickness 10 mm,		
			nylon cord conforming to M 24 grade		
		<b>Conveyor Belts 2 (3D Material Conveyor Belt)</b>			
		Type	Flat roller type belt conveyor		
		Motor	2.25 kW (3 HP), 1440 RPM, TEFC (Totally Enclosed Fan Cooled) copper wire conforming to IS : 13730,		
			3- phase, 4- pole		
		Inclination	0°		
		Length of Conveyor	Approx. 4 m from End to End of conveyor		

	Size of belt	1000 mm wide ( working width 800 mm)		
	Belt Specification	Plain rubber belt, 4 ply, 3 mm top, 1.5 mm bottom rubber covering, total belt thickness 10 mm, nylon cord conforming to M 24 grade		
	<b>Conveyor Belts 3 (Sorting Conveyor Belt)</b>			
	Type	Flat roller type belt conveyor		
	Motor	3.75 kW (5 HP), 1440 RPM, TEFC (Totally Enclosed Fan Cooled) copper wire conforming to IS : 13730, 3- phase, 4- pole		
	Inclination	0°		
	Length of Conveyor	Approx. 7.8 m from End to End of conveyor		
	Size of belt	1000 mm wide ( working width 800 mm)		
	Belt Specification	Plain rubber belt, 4 ply, 3 mm top, 1.5 mm bottom rubber covering, total belt thickness 10 mm, nylon cord conforming to M 24 grade		
	<b>Other details (Common for above conveyor belts from 1 to 3)</b>			
	Side Guard	2 mm thick MS sheet with supporting structure		
	Side guard skirting	2 mm thick rubber belt		
	Conveyor body	Framing structure of square pipe with ISI mark (IS : 4923:1997) standard 49.5 x 49.5 x 4.5 mm & 75 x 75 x 4.9 mm sections		
	Drive pulley for conveyor	Ø290 mm OD with crowning surface with 70 mm shaft with rubber coating and hearing bone design		
	Rear pulley for conveyor	Ø290 mm OD with crowning surface with 70 mm shaft with rubber coating and hearing bone design		
	Rear pulley cover	2 mm thick MS sheet		
	Bearing for roller	6205 2RS type		

		Shaft	Precise Machined from EN-8 Shaft Material		
		Guide rollers	Ø50 mm pipe with bright bar spindle and sealed with single roll anti friction deep grooved ball		
			bearing		
		Carrying & return roller	76.1 mm inch ID ERW pipe with CI housing, bright bar spindle and sealed with single roll anti friction		
			deep grooved ball bearing		
		Bearing	Angular contact type with fitted in split housing		
		Idler Spacing confirming to IS 9295-1983	Carrying Idler – 800 mm,		
			Impact Idler - 400 mm, Return Idler - 1500 mm		
		Belt joint	Endless type belt		
		Scrappers	Driver side: Flat Scraper		
			Rear Pulley: V plough type		
		Take up	Screw type take up design at front side of conveyor		
		Gear Box	Worm type, 20:1 ratio, Hollow input & output		
		Belt speed	1.2 m/sec		
		Pulley RPM	72 RPM		
		Conveyor direction	Uni- direction (One side)		
		VFD specification	VFD suitable for speed control of conveyor belt		
			motor ranging from 5% to 100% of rated speed		
		Speed Control	0.3 to 1.2 m/sec ( using gear & VFD)		
5	Magnetic Seperator 5TPD	<b>Parameters</b>	<b>Specifications</b>		
		Type	Automatic Cross Belt Overhead Magnetic Separator		
		Application	Separation of ferrous material from Municipal Solid Waste		
		Magnet Unit	Permanent Magnet of High Intensity Strontium Ferrite Magnets		
			without power requirement		
		Magnetic Intensity	1500 Gauss		

		Magnetic properties	Magnet Grade:Y35		
			Maximum operating temperature : 180° C		
		Magnet housing	High permeability low carbon steel		
		Type of cleaning	Self		
		Bottom plate	Stainless Steel – SS304		
		Suspension	Four point suspension		
		Bearing Drums	With shaft mounted on removable hubs		
		Belt driven	Direct coupled with gear box		
		Gear ratio	20:01		
		Working height (mm)	240 - 320		
		Belt width – Across (mm)	800		
		Motor	2.2 kW, AC-3 phase induction motor, 415 V, 1440 RPM, 50 Hz		
		Belt type	Belt with 35 mm high studs		
		Length of magnet (mm)	1000		
		Width of magnet (mm)	700		
		Depth of magnet (mm)	300		
6	Magnetic Seperator 10TPD	<b>Parameters</b>	<b>Specifications</b>		
		Type	Automatic Cross Belt Overhead Magnetic Separator		
		Application	Separation of ferrous material from Municipal Solid Waste		
		Magnet Unit	Permanent Magnet of High Intensity Strontium Ferrite Magnets without power requirement		
		Magnetic Poles	Covered with non-magnetic stainless steel plates confirming to IS : 10632		
		Bottom plate	Heavy, wear resistant manganese steel confirming to IS:276		
		Suspension	Four point suspension		

		Construction	Two U section pieces fixed on magnet with fastening ears supporting bearing drums		
		Bearing Drums	With shaft mounted on removable hubs		
		Belt driven	Reduction gear coupled to electric motor		
		Working distance (mm)	300 - 390		
		Belt width – Across (mm)	1200		
		Motor kW	3.0		
		Belt type	Belt with 35 mm high studs		
		Length of magnet (mm)	1100		
		Width of magnet (mm)	1520		
		Depth of magnet (mm)	250		
7	Hydraulic Baling Machine 5TPD	<b>Parameter</b>	<b>Specifications</b>		
		Length x Width x Height (mm x mm x mm)	540 X 680 X 2600		
		Machine material	Mild Steel (Confirming to IS:10748 and IS: 2062, as applicable)		
		Type	Vertical Single Cylinder Double Chamber		
		Capacity of Machine	25 Tonne (Jack force)		
		Chamber size	540mm x 450mm x 1200mm		
		Day light gap	1050 mm		
		Weight of Bale (kg)	40kg -50kg		
		Cycle time per bale	12min – 15min		
		Number of Cylinder	1		
		Stroke length	1100 mm		



		Platform size	540 x 450 mm		
		Bale size	540mm x 450mm x 450mm		
		Machine powder coated	Yes		
		Cylinder size	65 mm		
		Operation	Hand Lever Operation System		
		Motor	5.22 kW (7 HP) copper winding, AC inducting motor, 3-		
			phase, (440 V 50Hz)		
		Thickness of body plate	8mm		
		Number of doors	4 nos		
		Thickness of Clamping plate	30 mm		
		Accessories & parts	Confirming to BIS Standards		
		Bale Ejection	By side door		
		Hydraulic oil tank capacity	120 litre		
		Drainage system for residue	Yes		
		fluid/liquid			
		Number of Rope ties	2 nos		
		Approx weight of machine	850 kg		
		Manual	Yes, shall be provided		
8	Hydraulic Baling Machine 10TPD	Parameter	Specifications		
		Length x Width x Height	540 X 680 X 2600 (mm x mm x mm)		
		Machine material	Mild Steel (Confirming to IS: 2062)		
		Type	Vertical Single Cylinder Double Chamber		
		Capacity of Machine	25 Tonne (Jack force)		

	Chamber size	540mm x 450mm x 1200mm		
	Day light gap	1050 mm		
	Weight of Bale (kg)	50kg -100kg (depending on material feeding & its density)		
	Cycle time per bale	10min – 12min		
	Number of Cylinder	1		
	Stroke length	1100 mm		
	Platform size	540 x 450 mm		
	Bale size	540mm x 450mm x 450mm		
	Machine powder coated	yes		
	Cylinder size	65 mm		
	Operation	Hand Lever Operation System		
	Motor	5.22 kW (7 HP) copper winding, AC inducting motor, 3-phase, (440 V 50Hz)		
	Thickness of body plate	8mm		
	Number of doors	4 nos		
	Thickness of Clamping plate	30 mm		
	Accessories & parts	Confirming to BIS Standards		
	Bale Ejection system	By side door		
	Hydraulic oil tank capacity	120 litre		
	Drainage for residue fluid/liquid	Yes		
	Number of Rope ties	2 nos		

9	Wheelbarrow (Two wheel types as per IS:4184	<b>Parameter</b>	<b>Specifications</b>		
		Capacity of Wheel barrow	140 litre		
		Load carrying capacity	450 kg		
		Sheet Material	Steel sheets confirming to IS:1079		
		Sheet thickness	1.8 mm		
		Wheel material	Mild Steel with Solid or Cushioned rubber tyre		
		Type of bearing / bush	Cast iron bearing		
		Steel tube	not be drilled, light tubes confirming to IS:1239		
		Grey Iron Castings	Conform to IS:210		
		Finish of Metal parts	Two coats of black bituminous paint		
		Diameter of the Wheel	500 mm		
		Nominal width of tyre	50 mm		
		Hand Grips	Yes		
		Leg support	Yes		
10	HDPE Wheeled Container bins	<b>Parameter</b>	<b>Specifications</b>		
		Capacity	1100 litre		
		Size of Container (A x B x C)	1354 x 1373 x 1073 mm ('A' Height x 'B' Width x 'C' Depth)		
		Upper edge comb (D)	1206 mm		
		Wheel base width (E)	750 mm		
		Wheel base depth (F)	880 mm		
		Wheel base Diameter (G)	200 mm		
		Material	High Density Polyethylene (HDPE)		
		Type	Material Injection molded		

		High resistance to	Heat, chemicals and radiation		
		Dead weight	50 kg		
		Pay load	440 kg		
		Confirming Standards	EN 840-1: 2020		
		Legs support	4 nos		
		Hand Grips	Yes		
11	Pallet Truck	<b>Parameter</b>	<b>Specifications</b>		
		Pallet type	Manual		
		Fork Material	Mild Steel		
		Specific fork arm length	1150 mm		
		Specific Fork arm width	550 mm		
		Width of each fork arm	160 mm		
		Load capacity	2000 kg		
		Brakes Mechanism	Manual		
		Lifting height	200 mm		
		Turning radius	1450 mm		
		Total weight	69 kg		
		Lowered fork height	85 mm		
		Overall pallet truck width	825 mm		
		Overall pallet truck length	2000 mm		
		Total height	1200 mm		
		Lift pump assembly	Integrated serviceable hydraulic pump		
		Fork wheel type	Nylon wheel		
		Steering wheel type	Nylon wheel		

		Number of loading wheels in	2		
		each fork arm			
		Handle type	Manual with 3 position control lever to raise, lower and		
			neutral		
12	CCTV Cameras	5MP, best quality	including installation charges(wiring work, 30 days backup of the camera footage, suitable HDD capacity, night colour vision		
13	Fire extinguishers	Fire Extinguisher (ABC)	4 kg capacity		
		Fire Extinguisher (CO2)	4 kg capacity		
14	Air Blower(for dust removing)	Motor Capacity 10HP	Operation Mode : Semi-Automatic, Size7x5x6ft) MOC: MS with paint finish, Mechanism: Pulley driven Electricity connection 3 Phase		
15	MRF waste Shredder 250 Kg	<b>Parameter</b>	<b>Capacity-250kg/hour</b>		
		<b>Mechanism type / Type of Shredder</b>	Four Shaft with rotating blades		
			Shredding of RDF waste (plastic bags, polythene,rags,leather,rubber etc. founding the Municipal Waste)		
		<b>Application</b>			
		<b>Shredder capacity</b>	Upto 500 Kg/hr.		
		<b>Machine size</b>	Length-8ft., Width-4ft. & Height-6ft.		
		<b>Blade MOC</b>	RN 500/D2		
		<b>Output shredded material size</b>	<10-40mm(3D)		
		<b>Working chamber</b>	Minimum 600mm x 700mm		
		<b>Motor HP</b>	7.5HP+7.5HP		
		<b>Total motor</b>	2Nos.		

	<b>RPM of shafts</b>	40		
	<b>Motor makes</b>	Havells /Crompton/Bharat Bijlee		
	<b>Motor rating</b>	IE2		
	<b>Total gearbox</b>	2Nos.		
	<b>Hopper size</b>	800mmx800mm		
	<b>Structure&amp; cover MOC</b>	MS with paint		
	<b>Hopper MOC</b>	MS with paint		
	<b>Extra features</b>	Cladding total body		
	<b>Supply</b>	3Phase 440V-50Hz.		
	<b>Mechanism type/ Type of Shredder</b>	Single Shaft Shredder		
	<b>Blade MOC</b>	RN500/D2		
	<b>Blade size</b>	21x7x16mm		
	<b>Blade Thickness</b>	12mmx16mm		
	<b>Cutting chamber</b>	23x14inch		
	<b>Motor capacity</b>	10HP		
	<b>Total Motor</b>	1Nos.		
	<b>Motor Make</b>	Havells/Crompton/BharatBijlee		
	<b>Total Gearbox</b>	No Gear Box		
	<b>Shaft Thickness</b>	100mm		
		12 months from the date of supply and against manufacturing defects only.		
	<b>Warranty</b>	Warranty will stand void if damages to the shredder machine/ parts on account of operational negligence/ mishandling		

		<b>Tool kit for repair and maintenance</b>	Supply with Machine		
		<b>Hand Grinder</b>	1no.		
		<b>Grinding Wheel Blade</b>	12pcs		
		<b>Mobil</b>	1Ltr		
		<b>Grease</b>	1Kg		
		<b>Service</b>	6No's service in 12months		
16	MRF waste Shredder 500 Kg	<b>Parameter</b>	<b>Capacity-500kg/hour</b>		
		<b>Mechanism type / Type of Shredder</b>	Four Shaft with rotating blades		
			Shredding of RDF waste (plastic bags, polythene,rags,leather,rubberet c.foundin the Municipal Waste)		
		<b>Application</b>			
		<b>Shredder capacity</b>	Up to 500 Kg/hr.		
		<b>Machine size</b>	Length-8ft.,Width-4ft.&Height-6ft.		
		<b>Blade MOC</b>	RN 500/D2		
		<b>Output shredded material size</b>	<10-40mm(3D)		
		<b>Working chamber</b>	Minimum600mm x 700mm		
		<b>Motor HP</b>	10HP+10HP		
		<b>Total motor</b>	2Nos.		
		<b>RPM of shafts</b>	40		
		<b>Motor makes</b>	Havells /Crompton/Bharat Bijlee		
		<b>Motor rating</b>	IE2		
		<b>Total gearbox</b>	2Nos.		
		<b>Hopper size</b>	800mmx800mm		

	<b>Structure&amp; cover MOC</b>	MS with paint		
	<b>Hopper MOC</b>	MS with paint		
	<b>Extra features</b>	Cladding total body		
	<b>Supply</b>	3Phase 440V-50Hz.		
	<b>Mechanism type/ Type of Shredder</b>	Single Shaft Shredder		
	<b>Blade MOC</b>	RN500/D2		
	<b>Blade size</b>	21x7x16mm		
	<b>Blade Thickness</b>	12mmx16mm		
	<b>Cutting chamber</b>	23x14inch		
	<b>Motor capacity</b>	20HP		
	<b>Total Motor</b>	1Nos.		
	<b>Motor Make</b>	Havells/Crompton/Bharat Bijlee		
	<b>Total Gearbox</b>	No Gear Box		
	<b>Shaft Thickness</b>	100mm		
	<b>Input conveyor</b>			
	<b>Type</b>	Belt conveyor		
	<b>Length</b>	5 meter		
	<b>width</b>	800mm		
	<b>Motor</b>	3HP		
	<b>Output conveyor</b>			
	<b>Conveyor type</b>	Belt conveyor		
	<b>Size</b>	4 meter		
	<b>width</b>	800mm		
	<b>Motor</b>	2HP		
	<b>Control Panel/safety Panel</b>	Providing		



			12 months from the date of supply and against manufacturing defects only.		
		<b>Warranty</b>	Warranty will stand void if damages to the shredder machine/ parts on account of operational negligence / mishandling		
		<b>Tool kit for repair and maintenance</b>	Supply with Machine		
		<b>Hand Grinder</b>	1no.		
		<b>Grinding Wheel Blade</b>	12pcs		
		<b>Mobil</b>	1Ltr		
		<b>Grease</b>	1Kg		
		<b>Service</b>	6No's service in 12months		
17	MRF waste Shredder 1000 kg	<b>Parameter</b>	<b>Capacity-1Ton/hour</b>		
		<b>Mechanism type / Type of Shredder</b>	Four Shaft with rotating blades		
		<b>Application</b>	Shredding of RDF waste (plastic bags, polythene,rags,leather,rubberet c.foundin the Municipal Waste)		
		<b>Shredder capacity</b>	Upto 1000 Kg/hr.		
		<b>Machine size</b>	Length-10ft.,Width-5ft.&Height-7ft.		
		<b>Blade MOC</b>	RN 500/D2		
		<b>Out put shredded material size</b>	<10-40mm(3D)		
		<b>Working chamber</b>	Minimum600mm x 800mm		
		<b>Motor HP</b>	15HP +15HP		
		<b>Total motor</b>	2Nos.		
		<b>RPM of shafts</b>	40		

	<b>Motor makes</b>	Havells/Crompton/Bharat Bijlee		
	<b>Motor rating</b>	IE2		
	<b>Total gearbox</b>	2Nos.		
	<b>Hopper size</b>	1000mmx1000mm		
	<b>Structure&amp; cover MOC</b>	MS with paint		
	<b>Hopper MOC</b>	MS with paint		
	<b>Extra features</b>	Cladding total body		
	<b>Supply</b>	3Phase 440V-50Hz.		
	<b>Mechanism type/ Type of Shredder</b>	Single Shaft Shredder		
	<b>Blade MOC</b>	RN500/D2		
	<b>Blade size</b>	22x7x16mm		
	<b>Blade Thickness</b>	12mmx16mm		
	<b>Cutting chamber</b>	24x15inch		
	<b>Motor capacity</b>	25HP		
	<b>Total Motor</b>	1Nos.		
	<b>Motor Make</b>	Havells/Crompton/Bharat Bijlee		
	<b>Total Gearbox</b>	No Gear Box		
	<b>Shaft Thickness</b>	110mm		
	<b>Input conveyor</b>			
	<b>Type</b>	Belt conveyor		
	<b>Length</b>	6meter		
	<b>width</b>	1000mm		
	<b>Motor</b>	5HP		
	<b>Output conveyor</b>			
	<b>Conveyor type</b>	Belt conveyor		
	<b>Size</b>	5 meter		

		<b>width</b>	800mm		
		<b>Motor</b>	3HP		
		<b>Control Panel/safety Panel</b>	Providing		
			12monthsfromthethedateofsupply andagainst manufacturing defects only. Warranty will stand void if damages to the shredder machine/ parts on account of operational negligence / mishandling		
		<b>Warranty</b>			
		<b>Tool kit for repair and maintenance</b>	Supply with Machine		
		<b>Hand Grinder</b>	1no.		
		<b>Grinding Wheel Blade</b>	12pcs		
		<b>Mobil</b>	1Ltr		
		<b>Grease</b>	1Kg		
		<b>Service</b>	6No's service in 12months		
18	OWC Composter 1TPD	<b>Parameter</b>	<b>Capacity 1 Ton</b>		
		<b>Description</b>	Semi Automatic with curing system		
		<b>Capability to reprocess the type of waste</b>	Domestic Food waste + horticulture waste, “food/Vegetable market / Flower waste”, “Agriculture & Garden waste”, Animal dung, Mix Organic waste		
		<b>Features of Waste Reprocessing Machine</b>	Aerobic, on PLC based		
		<b>Reprocessing Capacity of Machine</b>	1000		
		<b>Process</b>	Intermittent		

<b>Chamber volume</b>	150		
<b>Material of vessel and shaft</b>	SS - 304		
<b>Material of body cover</b>	MS as per IS2062 grade A		
<b>Thickness of material body cover</b>	1.6		
<b>Dimension of Machine</b>	2000x1210x1150 LWH		
<b>Workmans hip of Waste Reprocessi ng Machine</b>	no sharp edges, welds/ joints not visible outside		
<b>Type of Gear</b>	Motor Planetary Gear (Direct drive)		
<b>Features of Gear Motor</b>	Reputed Make, quality parts used		
<b>Type of Heating System</b>	NA of Without Heating System		
<b>Power requiremen t</b>	440 V, 3-phase		
<b>Rated Power of Machine</b>	8		
<b>Power Features</b>	NA for others		
<b>Type of Waste Shredder</b>	Single Shaft Shredder		
<b>Waste Shredder capability - input</b>	Shred waste up to 25mm		
<b>Waste Shredder capability - output</b>	Output 0.5 mm		
<b>Capacity Shredder( Kg/hr)</b>	300		

<b>Material of Blade of Shredder</b>	Hot Rolled Steel with Hardening Treatment		
<b>Blade Thickness of Shredder</b>	5		
<b>Material of Hopper of Shredder</b>	MS as per IS 2062 grade A		
<b>Sheet thickness of Hoper of Shredder</b>	2		
<b>Feeding into Shredder</b>	Manual		
<b>Electric Motor Power Rating for Shredder confirming to IS:325 latest revision</b>	15		
<b>Features of Control</b>	Stand Alone Control Panel with minimum degree of protection IP - 53 conforming to IS-2147,All control panel parts		
<b>Panel of Shredder</b>	should be of standard brands. quality parts should be used,ISI Marked MCB/Relay		
<b>Material of Canopy of control panel</b>	Spray Painted Mild Steel		
<b>Air flow capacity of Air Blower (Cubic ft)</b>	NA for without		
<b>Electric Motor Power Rating for Air Blower confirming to IS:325</b>	NA for without		

<b>latest revision</b>			
<b>Features of Air Blower</b>	Quality parts should be used, NA for without Air Blower		
<b>Type of Bioculture Aerobic</b>	Mircrobial Culture		
<b>Curing System</b>	External		
<b>Capacity of Curing System</b>	10000		
<b>No of crates</b>	500		
<b>Crate size</b>	525x365x285 mm LBH		
<b>Rack Size</b>	3.7x1.22x2.5 MTR LWH		
<b>Number of Leachate Collection Tray/Drum</b>	20		
<b>Size of Leachate Collection Tray/Drum</b>	36600000		
<b>Foggers</b>	With		
<b>Number of Foggers</b>	700		
<b>Motor HP</b>	0.5		
<b>Fogger Features</b>	Disc Filter,Ball Valve,Time control unit for spray,Pressure Gauge		
<b>Waste Processor Features</b>	Odour Control Powder/agent,Output compost Quality as per Fertilizer Control Order Standards,Compost production (Kg/day) - Minimum 20 -25 % of input waste quantity,Condition and State of output Compost - Enriched and Dry,Output Compost - Easy to pack in bags		
<b>Timecycle for preparing/reprocessing the material for</b>	within 60 mins		

		<b>removal of compostable material</b>			
		<b>Total Time for reprocessing, curing and final removal of compost material</b>	10		
		<b>Optimal Temperature maintained in digester</b>	NA		
		<b>Safety Features Rules</b>	Emergency switch, overload indication function and Safety Switch, Internal mixing blades automatically stop when input door is opened, No harmful gases like Ammonia, Sulphur di-oxide, Methane, Carbon di-oxide should be generated, confirm the stipulated guidelines of CPCB & SWM, 2016, Noise Level of Plant during Operation - < =70dB, No Harmful Emission by the Plant, No Burning and Chemical use		
		<b>Comprehensive Warranty of Complete Plant</b>	5		
		<b>Coverage under Comprehensive Warranty</b>	Complete Equipment		
		<b>Norms and Specifications</b>	As per Solid Waste Management Rules 2016 and conforming to FCO compost Quality Standard		

		PPE kit			
19	PPE Kit	Nose Mask (Surgical)	Size (L x W) 5.5" x 3.5", plain cloth fabric, cotton (10% Poplin).		
			As per standards: IS: 9473-2002, and IS: 15323-2003		
		Safety goggles	Polycarbonate lens with soft PVC frame & body, fully adjustable headband, light, resilient & durable, anti-fog coating etc.		
			As per standards: EU 86/686/EFC, EN166/2002 and ANSI/SEA Z87.1-2010 or equivalent		
		Chemical resistant gloves, multi-use	CE Marked fully nitrile rubber hand gloves (In pair) with inside soft cotton flocked lining, overall length not be less than 12 Inches.		
			Confirming to IS: 4770- 1991, EN-388 & EN-374 (2016)		
		Safety (High visibility/ warning)	100% mesh polyester, high gloss reflective tape, confirming to IS: 15809 -2017		
		Jacket			
		Bouffant Caps	Lightweight, water repellent and confirming to IS: 2925-1984, CE-EN-397, ANSI Z891-2003		
		Safety shoes	A protective toecap that can withstand a 200 Joule impact 12 with antistatic protection, etc. confirming to IS: 5852- 2004, IS: 15298 (Part 2)-2011		
		Ear Plugs / Canal caps	Ear plug for protection against noise (NRR to be minimum 29db), made of soft sponge material or silicone, polyurethane confirming to IS: 6229- 1980		
		Apron	Width of 80cm (+/-10cm), thickness of 150-300 microns confirming to as per standards: IS: 4501- 1981		



20	Earth Leakage Circuit Breaker (ELCB)			
	Particulars	Motor		
		3 HP	5 HP	
	Compliance to ISO certification	ISO 9001	ISO 9001	
	Conformity to Standard	IEC 61008 – 1	NA	
	Certification	CE	NA	
	Electricity	3 phase		
	Leakage Action Current, mA	100	30	
	Nominal Frequency	50 Hz	50 Hz	
	Pole	2	4	
	Voltage (AC)	220 V	460 V	
	Tripping Curve	C type	C type	
	Protection Degree	IP20	IP20	
	Current Rating, Ampere	25	63	
	Rated Sensitivity, mA	100	50	
	Breaking capacity (kA)	125	60	
	Leakage Action Time (max)	0.1 second	0.1 second	
	Rated Impulse Withstand	4 KV	4 KV	
	Voltage U <sub>imp</sub> (kV)			

	<b>Electronic and electrical Appliance details</b>	<b>Parameters</b>	<b>Power Rating (W) /Specification</b>		
21	Desktop PC i3 processor	Best quality, i3 processor with UPS, 18.5 inch monitor	200		
	LED Street Light	Best quality, standard make	250		
	LED Light	Best quality, standard make	100		
	LED Tub Lights	Best quality, standard make	22		
	Wall mounted Fan	Best quality, standard make	180		
	Ceiling Fan	Best quality, standard make	75		
	Exhaust Fan	Best quality, standard make	60		
22	First Aid Box	Best quality	A basic first aid box should contain antiseptic liquid/cream, bandages of different sizes, sterile gauze dressings of different sizes, box of adhesive bandages, crepe rolled bandages, safety pins, disposable sterile gloves, tweezers, scissors, micro-porous sticky tape, thermometer, cream or spray to relieve insect bites and stings, antiseptic cream, antiseptic		

			liquid, painkillers spray/cream etc.		
23	AMC	For only machinery/ equipment items of the MRF	1st Year		
			2nd Year		
			3rd year		

**DECLARATION REGARDING ACCEPTANCE OF TERMS AND CONDITIONS  
CONTAINED IN THE TENDER DOCUMENT.**

**(Affidavit on Rs. 100/- duly attested by Public Notary /Oath Commissioner)**

**FORMAT FOR PROVIDING UNDERTAKING**

The .....

.....

.....(Designation & Address)

1. I/We, the undersigned certify that I/we have gone through all the “Eligibility criteria”, “terms & conditions”, “guidelines”, “code of Conduct” etc. mentioned in the tender document and declare that all the terms/provisions of this tender document are acceptable to me/my company/firm& undertake to comply with them.
2. I/We certify that I am the authorized signatory of my company/firm and I am therefore competent to make this declaration.
3. The rates quoted by me/us of the items are competitive & valid. The L1 rates of the items finalized by the ULB are binding upon me/us for the entire period of the contract. In case of exaggerated rates(L1) of any item quoted by me/us, I/We shall be liable for the same and agree to bear the loss to the department.
4. I/We, the undersigned hereby bind myself to ULB for providing products as per specification for the period of the contract.
5. The security money deposited by me/us shall remain in the custody of the ULB, till expiry of the contract.
6. The condition herein contained shall form part of and shall be taken as included in the agreement itself.
7. I/We have neither been penalized/debarred nor blacklisted by any authority/institution in the state of H.P for providing unsatisfactory work/products/services. Further there is no pending dispute regarding product quality/services etc. If the facts are to be proved concealed by the product/service provider/bidder, he/she will not only be debarred from participation in the tender and also action under criminal law will be taken against him/her.
8. That myself/my company/firm is not a registered supplier with any other state/govt. dept./PSU for their currently valid Rate Contract(s), for similar items as listed in this tender of ULB.
9. I/we hereby undertake to submit requisite certificate/undertaking wherever asked for/required by the consignee Department/office for quoting the rates for requisite item(s) of requisite specification(s) and submit copy of valid certificate for requisite item(s) along with complete details of items/Sizes/diameter/ etc. covered under Licence as & when required.
10. I/we hereby undertake to submit samples to department whenever asked for/required. Such samples must be submitted and delivered in person or through authorised representatives to the consignee department/office. I also hereby submit that
11. I/we hereby undertake to provide minimum of one year or as indicated by the Original Equipment Manufacturer/authorised supplier/dealer/ Distributer, whichever is higher,

onsite warranty for the item/product/ equipment etc. to be supplied under this tender/ agreement.

12. I/We hereby undertake to submit that in case of any complaint about the product/services same should be attended within 24-48 hours by the bidder/supplier of the item/product.
13. **Certification and Testing:** I/We hereby undertake to submit that valid necessary approval and calibration & Testing report from NABL etc. of the requisite item/product be supplied/ submitted as and when required for the purpose by the ULB.
14. I/We hereby undertake to submit that 6 No. services in a year to the machinery/equipment installed in the MRF centre will be provided after every 2 months for a period of one (1) year free of cost.
15. I/We hereby undertake to submit that onsite training at the MRF centre for a period of one month will be provided to the employee(s)/worker(s) of the ULBs free of cost.

**Yours faithfully**

**Name** \_\_\_\_\_

**Designation** \_\_\_\_\_

**Company/Firm** \_\_\_\_\_

**Address** \_\_\_\_\_

## Solvency Certificate

Certificate No: \_\_\_\_\_

Date: \_\_\_\_\_

### To Whom it may Concern

This is to certify that [Name of Individual/Firm/Company], son/daughter of [Father's Name, if individual], residing at/having its registered office at [full address], is/are known to us and based on the records/information available with us as of [Date], we confirm the following:

#### **Financial Position:**

The above-mentioned individual/entity has been maintaining an account/relationship with us since [Year/Date of Association] and is in a sound financial condition.

#### **Solvency Details:**

After due verification of the financial records/documents submitted, we certify that [Name of Individual/Firm/Company] is solvent and capable of meeting its/their financial obligations/liabilities. The estimated net worth of the individual/entity, as per records, is approximately Rs. \_\_\_\_\_ Lakhs only.

#### **Account/Assets Details (if applicable):**

- a. Account No. [Bank Account No.].
- b. Type of Account [Savings/Fix, Current etc.].
- c. Assets: [Brief Description].

This certificate is issued at the request of [Name of Individual/Firm/Company] for the purpose of [Specify Purpose e.g. submission of govt. tender, court case etc.]. It is valid as of the date of issue and does not constitute any guarantee or financial liability on the part of [Name of Bank/CA Firm].

#### **For [Name of the Bank/Chartered Accountant Firm]**

[Signature]

[Name of the Authorized Signatory]

[Designation]

[Seal/Stamp of the Bank/CA Firm]

### Company Profile

Sr.no	Company Details	
1.	Company Name	
2.	Registered Address	
3.	Corporate Office Address	
4.	Factory Address	
5.	Email	
6.	Phone no.	
7.	Fax	
8.	Website	
9.	CIN (Company identification number)	
10.	GSTIN (Goods and Services Tax Identification Number)	
11.	TAN (Tax Deduction & Collection account number)	
<b>Key Contact Person</b>		
1.	Name	
2.	Designation	
3.	Email	
4.	Phone	
<b>Banking Details</b>		
1.	Bank Name	
2.	Branch	
3.	Account Number	
4.	IFSC code	
5.	Account Type	

**Manufacturer's Authorization Form (MAF)**

TO

Tender Document Notification No.:

dated:

Sir,

We, M/s \_\_\_\_\_ (Name & Full Address of OEM), who are established and reputed Original Equipment Manufacturers (OEMs) having manufacturing facilities at \_\_\_\_\_ (address), do hereby authorize M/s \_\_\_\_\_, who is our (Distributor/Channel Partner/Retailer/Others – please specify), to bid and conclude the contract with you against the aforementioned reference. They are authorized to submit the bid, negotiate, and conclude the contract with the ULB, for the supply, installation, commissioning, and maintenance of the following product(s).

a) We undertake to provide OEM warranty for the above-mentioned articles for the entire warranty and maintenance period as specified in the \_\_\_\_\_ tender.

b) We confirm that the offered articles are not likely to be declared End-of-Sale within the next five (5) years from the date of bid submission.

c) We confirm that the offered articles are not likely to be declared End-of-Service/Support within the next five (5) years from the date of bid submission.

d) We hereby declare that our Net Worth is positive during the last preceding three financial years. (CA Certificate attached)

e) We hereby declare that our company is not blacklisted/debarred by any Central/State Government/UT/PSU/Autonomous Body during the last three years.

If any of the above declarations are found incorrect or misleading, our authorization may be treated as invalid, and the bidder's security may be forfeited without prejudice to any other action under applicable rules.

Name

In the capacity of:

Signed

Tel: Fax: e-mail

Date

Authorized Signatory Signature of Bidder with Company Stamp



**Declaration for non-blacklisting**

<<To be printed on Stamp Paper of Rs.500 and notarized>>

Date: dd/mm/yyyy

To,  
The Director,  
Department of Urban Development  
Palika Bhawan, Talland, Shimla,  
Himachal Pradesh  
Email: ud-hp@nic.in

Sir/Madam,

In response to the tender for **“Installation, Commissioning of Material Recovery Facility (MRF) Centres along with Supply of Machinery and Equipment”**, I, as the Owner/ Founder/ Partner/ Director of \_\_\_\_\_ (Name of Company), hereby submit this declaration.

I/We hereby declare that \_\_\_\_\_ (Name of Company) is having an unblemished record and has not been declared ineligible for corrupt or fraudulent practices, either indefinitely or for a particular period of time, by any State Government, Central Government, PSU, or any Urban Local Body (ULB) during the last three years.

We further declare that our Company is **not blacklisted** and **not declared ineligible for reasons other than corrupt or fraudulent practices** by any State Government, Central Government, PSU, or any ULB on the date of submission of this application.

In the event that any information or declaration made above is found to be incorrect, then without prejudice to any other action that may be taken, our security deposit may be forfeited in full and the tender, if accepted, may be cancelled.

Name of the Applicant:  
Authorized Signatory:  
Seal of the Organization:  
Business Address:  
Date:  
Place:

**Annexure-6**

<b>Sr. No.</b>	<b>Description</b> (As per mentioned in Annexure-A)	<b>UQC</b>	<b>Rates quoted (In Rupees) without GST</b>
<b>B</b>	<b>Details of Machinery/Equipment required for Material Recovery Facilities in ULBs</b>		
1	Weigh Bridge - 10 Ton capacity (Electronic Pitiless Type)	In no.	
2	Weigh Bridge - 20 Ton capacity (Electronic Pitiless Type)	In no.	
3	Ballistic Separator (5 TPD)	In no.	
4	Conveyor - Feeding Conveyor Belt (Approx. 4 m, 800 mm)	In no.	
5	Conveyor - 3D Material Conveyor Belt (Approx. 4 m, 1000 mm)	In no.	
6	Conveyor - Sorting Conveyor Belt (Approx. 7.8 m, 1000 mm)	In no.	
7	Magnetic Separator 5 & 10 TPD (Cross Belt Overhead)	In no.	
8	Hydraulic Baling Machine 5 & 10 TPD (25 Tonne jack force)	In no.	
9	Wheelbarrow (Two-wheel as per IS:4184)	In no.	
10	HDPE Wheeled Container Bin - 1100 litre (EN 840-1:2020)	In no.	
11	Pallet Truck (Manual, 2000 kg)	In no.	
12	CCTV Camera (5 MP) with installation & 30 days storage	In no.	
13	Fire Extinguisher - ABC (4 kg)	In no.	
14	Fire Extinguisher - CO2 (4 kg)	In no.	
15	Air Blower (for dust removing) - 10 HP	In no.	
16	MRF Waste Shredder - 250 kg/hr	In no.	
17	MRF Waste Shredder - 500 kg/hr	In no.	
18	MRF Waste Shredder - 1000 kg/hr	In no.	
19	OWC Machine 1TPD	In no.	
20	PPE Kit (set) - includes masks, goggles, gloves, jackets, shoes, ear plugs etc.	Set	
21	Earth Leakage Circuit Breaker (ELCB) - 3HP specification	In no.	
22	Earth Leakage Circuit Breaker (ELCB) - 5HP specification	In no.	
23	Desktop PC (i3) with UPS, 18.5 inch monitor	In no.	
24	LED Street Light (250 W equivalent)	In no.	
25	LED Light (100 W equivalent)	In no.	
26	LED Tube Light (22 W)	In no.	
27	Wall Mounted Fan (180 W)	In no.	
28	Ceiling Fan (75 W)	In no.	
29	Exhaust Fan (60 W)	In no.	

30	First Aid Box (complete)	In no.	
31	Annual Maintenance Contract (AMC) - Year 1 (for machinery/equipment)	Lump Sum	
32	Annual Maintenance Contract (AMC) - Year 2 (for machinery/equipment)	Lump Sum	
33	Annual Maintenance Contract (AMC) - Year 3 (for machinery/equipment)	Lump Sum	

**Checklist for Machineries and Equipment's**

<b>Sl. No.</b>	<b>Particulars</b>	<b>Documents to be submitted</b>	<b>Yes/ NO</b>
1.	The participating bidder should be a registered government supplier / PSU / Limited Company / LLP / Section 8 Company / Society act.	A valid Certificate of Incorporation/ registration certificate from the authorized agency should be attest.	
2.	The participating agency should provide ITRs of the three years: 1. 2022-2023 2. 2023-2024 3. 2024-2025	Duly certified by CA.	
3.	The manufacturer is required to submit the manufacturing certificate, i.e., Udyog Aadhar Memorandum / Udyam registration for requisite/quoted item(s) and be registered with the Industries Department of any State Govt., Govt. of India.	Valid certificate to be provided.	
4.	The participating agency should provide the PAN / GST number.	Copy of Documents should be attached.	
5.	The bidders/tenderers will have to deposit(EMD) of Rs. 4.00 Lakh for Product Procurement for this tender should be deposited in the given Bank account. Proof of payment of EMD must accompany the bid document. Any bid without the Earnest Money shall out rightly be rejected.	Relevant documents to be provided	
6.	The bidder should not be blacklisted by any Govt. Institution must submit an affidavit to this effect.	Non Blacklisting Certificate duly notarized should be attached	

7.	Bidder/Authorized dealer/ Original Equipment Manufacturer (OEM), should have minimum Rs 2 crore turnover on an average in last 3 years i.e. 2022-2023,2023-2024,2024-2025.	Turnover certificate duly attested by the CA should be attached.	
8.	The bidder/authorized dealer should provide the Solvency certificate of Rs. 50 Lakh.	Valid certificate from the concerned bank should be attached.	
9.	The bidder/authorized dealer other than OEM should provide the authorization certificate from the OEM for supply of the article. (In case of equipment's)	Authorization certificate from the concerned OEM	
10.	The bidder/authorized dealer should provide the BIS certificate of the product to be supplied.	Valid certificate from the concerned bank should be attached.	
11.	Bidder/Authorized dealer/ Original Equipment Manufacturer (OEM), should have Rs 2 crore turnover on an average in last 3 years i.e. 2022-2023,2023-2024,2024-2025.  1. Turnover up to 2 Cr. - 7 Marks 2. Turnover from 2 to 5 Cr. -15 marks 3. Turnover above 5 Cr. – 25 Marks	Turnover certificate duly attested by the CA should be attached.	
12.	For successfully completed similar works of amount equal to  1. 80 Lacs to 100 Lacs- 5 Marks/ project 2. More than 100 Lacs to 160 Lacs- 6 Marks/Project 3. More than 160 Lacs- 10 Marks/Project  Maximum up to – 30 Marks	Installation certificate/work order completion certificate should be attached.	
13.	The Bidder/OEM/Authorized dealer should submit following valid certificates  1. ISO 9001:2015 – 4 marks 2. ISO 14001:2015 – 4 marks 3. ISO 10002:2018 – 4 marks 4. ISO 5001:2018 – 4 marks 5. ISO 45001:2018 – 4 marks	Copy of Documents	

14.	<p>A performance capacity demonstration of randomly picked or all offered instruments through online mode followed by offline visit if required.</p> <p><b><i>(Date and Time of online product demonstration will be intimated separately)</i></b></p>	15 minutes demonstration	
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