

**Supply and Installation of 30 TPH Mobile Segregation
Machineries for Screening & Processing of Old Dump Waste
Including Providing 1 nos. Hydra/Cranes/Poclane/Excavator 80
HP, 2 nos. JCB 74 HP, 1 nos., Tractor Loader 57 HP, 1 nos. Hywa
including all Manpower as Required and O&M of all Machineries
in Tender on Rental Basis.**



Lucknow Municipal Corporation
Lucknow Uttar Pradesh, India

Supply and Installation of 30 TPH Mobile Segregation Machineries for Screening & Processing of Old Dump Waste Including Providing 1 nos. Hydra/Cranes/Poclane/Excavator 80 HP, 2 nos. JCB 74 HP, 1 nos., Tractor Loader 57 HP, 1 nos. Hywa including all Manpower as Required and O&M of all Machineries in Tender on Rental Basis.

MUNICIPAL CORPORATION LUCKNOW

Triloknath Road, Lalbagh, Lucknow (U.P.)-226001

Website: www.lmc.up.nic.in

Email: nnlko@up.nic.in

Tender Notice No.: D/680/MC/EE/22

Dated: 29-11-2022

NOTICE INVITING TENDERS

Municipal Corporation Lucknow invited Online Tender for the following items from the experienced bidders. The bid will be received on Online on the website <https://etender.up.nic.in> as per time schedule (key dates) in the notice published on the above website.

Sl. No.	Name of Work	Quantity Required	Earnest Money (Rs.)	Cost of Tender form (Rs.)	Time Period
1	Supply and Installation of 30 TPH Mobile Segregation Machineries for Screening & Processing of Old Dump Waste Including Providing 1nos Hydra/Cranes/Poclane/Excavator 80 HP, 2 nos. JCB 74 HP, 1 nos., Tractor Loader 57 HP, 1 nos. Hywa including all Manpower as Required and O&M of all Machineries in Tender on Rental Basis	3 Nos.	750000	25000	3 months

Key Dates: -

Sl. No	Description	Date & Time
1	Online Tender purchase start date	01-12-2022
2	Online Tender purchase end date	13-12-2022 till 16:30Hrs
3	Online Bid Submission End date	14-12-2022 till 16:30Hrs
4	Hard copy of technical submission end date	14-12-2022 till 16:00 Hrs
5	Technical Proposal open Date	15-12-2022 till 16:00 Hrs.

Note: The bidders shall have to submit their bids online and upload the relevant documents from as per key schedule (key dates).

1. The bidders intending to participate in this tender are required to get enrolled/registered on the e-procurement website <https://etender.up.nic.in> Enrolment/registration on the above portal is mandatory.

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2. Tender documents can be purchased only online from <https://etender.up.nic.in> by making online payment as specified above as per key dates. The Bidders shall have to submit their Bids online and upload the relevant documents from as per time schedule (key Dates).
3. Conditional tender will not be accepted and liable to be rejected. LMC reserves the right to accept or reject any or all tender without assigning any reasons there of.
4. Since the online bidders are required to sign their bids online using Digital Certificates. Contractors are advised to obtain the same at the earliest.

**Environment Engineer
Municipal Corporation,
Lucknow**

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GENERAL INFORMATION ABOUT THE TENDERER

(to be filled by the tenderer)

1.	Name of the Tenderer	
A	Postal Address	
B	Telephone/Fax no	
C	E-mail address & URL	
4	Name and designation and contact no. of the representative of the tenderer to whom all reference shall be made to Expedite technical co-ordination.	

CHECK LIST

To ensure that your offer submitted to LMC is complete in all respects, please go through the following checklist & tick mark for the enclosures attached with your offer:

Sr . No.	Description	Upload and submit hard copy
1	Earnest Money Deposit	
2	Tender document duly signed & sealed on every page, as a confirmation of acceptance of the terms & conditions of the tender.	
3	Details of Infrastructure facilities available for executing such jobs	
4	Details of Applicant as per Format given in tender document	
5	Work orders and certificate as per requirement of tender document	
6	Financial Capability of all the Applicant as per Format given in tender document	
7	Annual accounts viz. Profit & loss account, Audited Balance sheet of last three years showing net worth and turnover of company	
8	IT returns for past three years duly certified by the Chartered Accountant	

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PROJECT BACKGROUND

Lucknow Municipal Corporation (LMC) is a local government for Lucknow, the capital and the largest city of the Indian state of Uttar Pradesh. It is responsible for the civic infrastructure and administration in the city of Lucknow, in short it is also known as LMC. Lucknow City has population of about 28.17 Lakhs (as per census 2011) and with an area of about 277.34 Sq. Km. The city is developing at a rapid pace.

City is divided into 110 wards. These wards have been clubbed under 8 zones. LMC is keen on substantially improving the quality-of-service delivery of Municipal waste management activities in the LMC area and wishes to seek private sector participation for road sweeping of MSW.

LMC is determined to complete the bio-mining process of old MSW Shivari disposal site. LMC intends to deploy on Three Set of 30 TPH Segregation Machineries Unit for Screening & Processing of Old Dump Waste speed up the bio-mining process.

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INSTRUCTIONS TO BIDDERS

1. Notice Inviting Bids

- I. The Commissioner, Municipal Corporation, Lucknow invites e-tender from competent bidders for Supply and Installation of 30 TPH Mobile Segregation Machineries for Screening & Processing of Old Dump Waste Including Providing 1nos. Hydra/Cranes/Poclane/Excavator 80 HP, 2 nos. JCB 74 HP, 1 nos., Tractor Loader 57 HP, 1 nos. Hywa including all Manpower as Required and O&M of all Machineries in Tender on Rental Basis.

2. Objective

- I. To comply with the Municipal Solid Waste (Management and Handling) Rules.
- II. To improve the existing standards of public health and environmental quality by establishing efficient Solid Waste management.

3. Scope of work

- ❖ LMC requires 3 nos. Supply and Installation of 30 TPH Mobile Segregation Machineries for Screening & Processing of Old Dump Waste Including Providing 1nos. Hydra/Cranes/Poclane/Excavator 80 HP, 2 nos. JCB 74 HP, 1 nos., Tractor Loader 57 HP, 1 nos. Hywa including all Manpower as Required and O&M of all Machineries in Tender on Rental Basis for speed up the bio-mining process.
- ❖ The eligible bidder will be allowed to quote for machines as per the required specifications.
- ❖ LMC shall finalize the rate of the L1 lowest quoting bidder as base rates. All other eligible bidders who are willing to provide machines on the base rates will be empaneled and must install the number of machines decided by Commissioner within 30 days.
- ❖ The bidder must quote rate on per month basis. LMC may run the plant on 24 hrs.
- ❖ 2 hrs. time per day will be given to the successful Bidder to do the daily maintenance.
- ❖ The log book of the machines shall be maintained by the agency and it will be signed by LMC in charge of the project. Copy of the same should be attached with the bill.
- ❖ Contractor should keep spares and regular breakage parts so that the down time of machine is lowest.
- ❖ The initial duration of the contract will be 03 months which can be extended by mutual consent of both the parties.
- ❖ The successful bidder has to provide and establish machines within 15 days from the date of work order.

4. Eligible Bidders

- I. This invitation to bid is open to all Bidders who satisfy the qualification criteria as per the tender document.

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II Bid Evaluation Criteria for Qualification

For eligibility the bidders must possess any one of the following

- 1.A) Have **1& More Year** Experience of Manufacturing & Supply for Set of 30 TPH Segregation Machineries Unit for Screening & Processing.

And

- 1.B) Have **1 & More Year** Experience of Operation and Maintenance of Segregation Machineries Unit for Screening & Processing of MSW/Legacy Waste.

Or

- 2)Have **Completed at least 1 Project not less than 1.0 Lacs MT Processing of Legacy Waste through** Bio-mining and Bioremediation.

5. Issue of Bid Document

- I. The Bidders may purchase a complete set of bidding documents from <https://etender.up.nic.in>.
- II. Price of Document: Rs. 25,000 /- (Rupees Twenty-Five Thousand Only) plus service & gateway charges [non-refundable] is to be paid by bidder by making Online Payment at <https://etender.up.nic.in>.
- III. The Bid Document is not transferable. Only the Bidder, who has purchased the bid document, shall be entitled to participate in the bidding process.

6. Conflict of Interest

- I. All Bidders, found to be in conflict of interest, shall be disqualified. A Bidder may be considered to have a conflict of interest with one or more parties in a bidding process, if they:
 - (a) have controlling shareholders in common; or
 - (b) have the same legal representative for purposes of a bid

7. Cost of Bidding

- I. The Bidder shall bear all costs associated with the preparation and submission of his bid and LMC will in no case be responsible or liable for those costs.

8. Site Visit

- II. The Bidder is advised to visit and examine the service area under Municipal Limits of LMC and obtain for himself on his own responsibility all information that may be necessary for preparing the bid and entering a contract.
- III. The Bidders must familiarize themselves with local conditions and to take them into account in preparing their proposals.

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9. Contents of Bidding Documents

- I. Any Addenda/Corrigendum issued by LMC shall be the part of bid document.
- II. The Bidder is expected to examine carefully the contents of the bidding documents. Failure to comply with the requirements of bid submission will be at the Bidder's own risk.

10. Amendment of Bidding Document

- I. At any time prior to the deadline for submission of bids, the LMC may, for any reason, whether at its own initiative or in response to a clarification requested by a prospective bidder may modify the bidding documents by issuing addenda.
- II. Any Addendum/Corrigendum thus issued shall be part of bidding documents pursuant to sub-clause 9.I, and it will be notified in writing or by fax to all purchasers of the bidding documents and will be binding on them. Prospective Bidders shall acknowledge receipt of each addendum by fax to LMC.
- III. To afford prospective Bidders reasonable time in which to take the addendum into account in preparing their bids, the LMC may, at its discretion, extend the deadline for the submission of bids.

PREPARATION OF BIDS

11. Language of Bid

- (i) The bid, and all correspondence and documents, relating to the bid, exchanged between the Bidder and the LMC, shall be written in the Hindi or English language. Supporting documents and printed literature furnished by the Bidder may be written in another language, if they are accompanied by an accurate translation of the relevant passages in English language, in which case, for purposes of interpretation of the bid, the English translation shall prevail.

12. Bid Form and Price Schedules

- I. The Bidder shall quote the rates in "Schedule B" furnished in the bidding document.

13. Bid Prices

- I. The Bidders are expected to work out their own rates, considering different aspects of scope of work. This includes all requirements under the Contractor's responsibilities for performing different tasks and, what so required by the bidding documents, the acquisition of all permits, approvals, and licenses, etc., operation, maintenance and training services and such other items and services as required to perform as per scope of work specified in the bidding documents, all in accordance with the conditions of the Contract.
- II. All duties, taxes, and other levies payable by the Contractor under the Contract shall be included in the rates to be quoted in "**Schedule B**".

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14. Currencies of Bid

- I. Prices shall be quoted in Indian Rupees.

15. Bid Validity

- I. Bids shall remain valid for a period of 365 (Three hundred and Sixty-Five) days after the date of bid opening.
- II. In exceptional circumstances, prior to expiry of the original bid validity period, the LMC may extend the period of validity for a specified additional period. A Bidder may refuse the request without forfeiting his Earnest Money Deposit (EMD). A Bidder agreeing to the request will not be required or permitted to modify his bid.

16. Earnest Money Deposit and Security Deposit

- I. A Bidder is required to deposit, along with its Bid, a bid security (EMD) of INR 750000 (Seven Lacs Fifty Thousand Only) refundable not later than 120 (One Hundred Twenty) days from the Bid Due Date except in the case of the preferred Bidder. The Bidders will have to pay Bid Security in form of Demand Draft from scheduled bank/ FD pledged in favor of Commissioner, Lucknow Municipal Corporation. The Bid shall be summarily rejected if it is not accompanied by the Bid Security. The Bid Security of successful bidder shall be converted into Performance Security.
- II. The Earnest Money Deposit (EMD) shall be in the form of a Demand Draft from a nationalized/ scheduled bank in favor of the Commissioner, Municipal Corporation Lucknow payable at Lucknow.
- III. The failure or omission to deposit the Earnest Money Deposit with the bid shall disqualify the Bidder and such disqualified Bidders(s) shall be excluded from its consideration in bidding process.
- IV. If the Lucknow Municipal Corporation accepts the bid, the Earnest Money Deposit of successful bidder shall be converted in Security Deposit and shall be kept by LMC up to the end of the contract. The successful bidder may submit Bank guarantee of the Security deposit on award of contract and get the initial EMD back which was submitted in from of Demand Draft.

17. Forfeiture of EMD

- I. The Bidder shall not revoke his bid or vary its terms and conditions without the consent of the Lucknow Municipal Corporation during the validity period of bid. If the Bidder revokes the bid or varies its terms or conditions contrary to its promise to abide by this condition, the Earnest Money Deposit submitted by Bidder shall stand forfeited without prejudice to his other rights and remedies and the Bidder shall be disentitled to submit a bid to the Lucknow Municipal Corporation for execution of any work during the next twenty-four (24) months effective from the date of such revocation.
- II. If the successful Bidder does not pay the Security Deposit in the prescribed time limit

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or fails to sign the contract agreement his Earnest Money Deposit will be forfeited by the Lucknow Municipal Corporation.

18. Refund of Earnest Money

- I. Earnest Money Deposit of unsuccessful Bidders shall be refunded after the successful Bidder furnishes the required Security Deposit to the Lucknow Municipal Corporation and signs the Contract Agreement or within thirty (30) days of the expiry of validity period of Bids, whichever is earlier.

19. Bid Security against the Work

- I. The EMD of the Successful Bidder shall be converted into PERFORMANCE SECURITY.

20. Forfeiture of Security Deposit Against Work

- I. The bid security may be forfeited, if the bidder does not accept his bid, as prescribed in this bid document.
- II. If during the term of this contract, the contractor is in default of the due and faithful performance of his obligations under this contract, the Municipal Corporation, Lucknowshall, without prejudice to it's other rights and remedies here under or at the Applicable Law, be entitled to call in, retain and appropriate the Security Deposit.

21. Alternative Proposals of Bidder

- I. Bidders shall submit offer which comply with the documents, including the LMC Requirements as indicated in the bidding documents. Alternative bid and conditional bid will not be considered and bid is liable to be rejected in such cases.

22. Signing of Bid

- I. The bid shall contain no alterations, omissions or additions, except those to comply with instructions issued by the LMC, or as necessary to correct errors made by the Bidder, in which case such corrections shall be initialed by the person or persons signing the bid.
- II. All pages of the bid where entries or amendments have been made shall be initialed by the person or persons signing.

23. Late Bids

- I. Any bid received by the LMC after the prescribed deadline for submission of bids will be rejected and returned unopened to the bidder.

24. Correction of Errors

- I. Bids once submitted will not be allowed to be changed or rectified.

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AWARD OF CONTRACT

25. Award

- I. The LMC will final the rate of the technically qualified bidder who has offered the Lowest Bid Price.

26. LMC 's Right to accept any Bid and to Reject any or all Bids

- I. The LMC reserves the right to accept or reject any bid, and to annul the bidding process and reject all bids, at any time prior to award of Contract, without thereby incurring any liability to the affected bidder or bidders or any obligation to inform the affected bidder or bidders of the grounds for the LMC 's action.

27. Signing Of Contract Agreement

- I. The LMC shall notify the successful bidder that his bid has been accepted, the LMC will send the bidder the Form of Contract Agreement.
- II. Within 15 calendar days from the date of issue of letter of acceptance, the successful bidder shall sign the Form of Contract Agreement in duplicate on non-judicial stamp paper of value as per regulation of Government and return it to the LMC. One copy of signed agreement will be provided to the successful contractor and original will be retained by the LMC.

28. Corrupt And fraudulent Practice

The Lucknow, Municipal Corporation requires that contractors observe the highest standard of ethics during the execution of such contracts.

- (a) The Lucknow Municipal Corporation will reject a proposal for award if it determines that the Bidder recommended for award has, directly or through an agent, engaged in corrupt, fraudulent, collusive, or coercive practices in competing for the Contract.

29. Rejection of Bids

- I. The bids are liable to be rejected if the Bidder
 - (a) Does not submit the Earnest Deposit Money (EMD) in prescribed form.
 - (b) Does not sign every page of bid with seal of Contractor/firm.
 - (c) Does not quote rates inclusive of duties and taxes.
 - (d) Stipulates any conditions in the bid.
 - (e) Fails to initial corrections.
 - (f) Stipulates the bid validity period of his Bid less than what is prescribed by LMC in the Bid documents.

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30. Important Points to Be Noted by The Bidder:

- I. This contract is under Solid Waste management services to be provided by the contractor to Lucknow Municipal Corporation. The rates to be quoted in "Schedule B" shall be inclusive of all taxes. GST if applicable shall be paid extra as actuals. local taxes etc. to be paid by the Bidder for the work/Service and claim for extra payment on any such account shall not be entertained.
- II. Any change that will be made in the bid document by the Municipal Corporation, Lucknow after issue of the Bid Document will be intimated to the Bidder in the form of Corrigendum/Addendum for incorporating the same in the Bid before submitting the bid.
- III. The Financial offer should be submitted online only. Otherwise, the bid shall be rejected.
- IV. The Bidder shall be deemed to have studied the scope of works/service, specifications, terms, and conditions. The Bidder shall inspect and examine the service area and its surroundings and shall satisfy himself before submitting his bid as to the nature of the work/service and vehicles/machineries necessary for the completion of the works/services.
- V. Contractor must bid monthly quote for rent of 1 machine on Lumpsum basis.

31. Stamp Duty, Legal and Statutory Charges

- I. It shall be incumbent on the Successful Bidder to pay stamp duty for the Contract Agreement, as applicable on the date of the execution.

32. Rights of the Corporation

- I. Lucknow Municipal Corporation reserves the right to suitably increase/reduce the scope of work included in this bid document.

33. Contractor's scope

- ❖ To Provide the 03 Set of 30 TPH Segregation Machineries Unit for Screening & Processing on rent.
- ❖ To Transport the Machine up to the Site Provided by LMC
- ❖ To Install the Machine at site Provided by the LMC
- ❖ To Supply and Installation of 30 TPH Mobile Segregation Machineries for Screening & Processing of Old Dump Waste Including Providing 1nos. Hydra/Cranes/Poclane/Excavator 80 HP, 2 nos. JCB 74 HP, 1 nos., Tractor Loader 57 HP, 1 nos. Hywa including all Manpower as Required and O&M of all Machineries in Tender on Rental Basis.
- ❖ To get the Machines and its Workman Insured against accident.
- ❖ To carry out necessary Operation and Maintenance of the Machine during the Contract period
- ❖ To take the Machine back at the end of the Contract Period

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- ❖ The Contractor shall maintain records in the format as required by LMC.
- ❖ The Contractor shall not sell or otherwise dispose of recyclable waste, recovered from the Municipal Solid Waste.
- ❖ The Contractor shall provide mobile phones to Manager and Supervisors. These telephone numbers should be communicated to LMC.
- ❖ Minimum Capacity tons to be Processes shall not be 500 tpd.
- ❖ Contractor shall Prepared Master Roll of Manpower Deployment shall be verified of Project Manager of Lucknow Nagar Nigam.
- ❖ Repair and Maintenance of Machineries Parts shall be Supplier and Manufacture.
- ❖ Site Unloading and Handling including Hydra/Cranes/Hywa/JCB/Pocklane Excavator /Tractor Loader etc. part of Contactor.

34. LMC 'S SCOPE

- To provide bioamine old waste near by the machine as per its requirement.
- LMC may operate the machine round the clock, in that case, operators/ helpers required for 3rd shift will be paid extra as per collector approved rates for skilled labour.
- To pay rent of the trommel machine.
- To perform the biomining process with its manpower and supportive machines like back hoe loaders and tippers etc.
- To arrange for consumables, light and water and other requirements of the project.
- Obligation of LMC shall be provided Electricity Supply and Consumable Fuel.

35. Specification of 30 Tph Segregation Machineries & Manpower Deployment Plan

Three Set of 30 TPH Segregation Machineries

A	Technical Requirements 50 mm	Description	Quantity
	Type of Material	Municipal Solid Legacy Waste	3 Set
	Required Throughput Capacity	30 Tons per Hour / Processing line	
	Moisture Level in Material	Max. upto 25%	
	Type of Machine	Trolley/ Wheel Mounted -Trommel Screen with associated belt conveyors	
1	Trommel Screen- 50 mm		
	Thickness & MOC of Screen Plate	8mm & Mild Steel	
	Thickness & MOC of Shell Plate	10mm & Mild Steel	
	Length and Diameter of screen drum	6.5 Mtrs x 2 mtrs	
	Rotating speed of drum	12 - 14 RPM	
	Angle of inclination of drum	5 Degree	
	Self cleaning arrangement	Provided	
	Cover plate thickness	3 mm	
	Motor(s) rating	5.5 Kw x 2	

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		No.
2	Feed Conveyor BC-1 with Feed Hopper for Trommel	
2.1	Conveyor	
	Conveyor length (c to c)	4 m
	Conveyor width	1200mm
	Conveyor Speed (m/min)	22 m/min
	Angle	0 Degrees
	MOC,Thickness, Make, Grade	Nylon/ Nylon, 4 ply, 12 mm thickness, M-24, Continental/ Hindustan/Jonsons
	Motor rating	3.75 Kw
	Variable frequency drive (VFD)	To control the speed and feed of waste
2.2	Pulley	
	Head Pulley- Dia/Thickness/Legging	DIA - 320mm , thickness - 10 mm , Rubber Legging
	Tail Pulley - Dia/Thickness/Legging	DIA - 223mm , thickness - 10 mm , NA
	Carrying Idler-Dia/thickness/Nos.	DIA- 114 , 3.5 mm , BEARING NO. 6205
	Return Idler- Dia/thickness/Nos.	DIA- 89 , 3.5 mm ,BEARING NO. 6205
	Impact idler- Dia/thickness/Nos.	DIA- 114 , 3.5 mm , BEARING NO. 6205
	Drive detail- Type/Make/Rating	GEARED MOTOR / PBL OR RADICON / 5 HP
	Safety Switches	L&T / Schnieder/Equivalent
	Skirt Board-Thickness/height	3 mm / 300mm
	Shaft- MOC	EN-8
	Bearing – type/make	FAG/NTN/SKF
3	Foldable Process Conveyor to carry > 50mm	
3.1	Conveyor	
	Conveyor length (c to c)	5 m
	Conveyor width	1000mm
	Conveyor Speed (m/min)	60 m/min
	Special Feature	Foldable
	Angle	22 Degrees
	MOC,Thickness, Make, Grade	Nylon/ Nylon, 4 ply, 10 mm thickness, M-24, Chevron Belt , Continental/ Hindustan/Jonsons
	Motor rating	2.25 Kw
3.2	Pulley	
	Head Pulley- Dia/Thickness/Legging	DIA - 320mm , thickness - 10 mm , Rubber Legging
	Tail Pulley - Dia/Thickness/Legging	DIA - 223mm , thickness - 10 mm , NA
	Carrying Idler-Dia/thickness/Nos.	DIA- 114 , 3.5 mm , BEARING NO. 6205
	Return Idler- Dia/thickness/Nos.	DIA- 89 , 3.5 mm ,BEARING NO. 6205
	Impact idler- Dia/thickness/Nos.	DIA- 114 , 3.5 mm , BEARING NO. 6205
	Drive detail- Type/Make/Rating	GEARED MOTOR / PBL OR RADICON / 5 HP
	Safety Switches	L&T / Schnieder/Equivalent
	Skirt Board-Thickness/height	3 mm / 300mm
	Shaft- MOC	EN-8
	Bearing – type/make	FAG/NTN/SKF

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4	Foldable Process Conveyor to carry < 50mm		
4.1	Conveyor		
	Conveyor length (c to c)	16 m	
	Conveyor width	1000mm	
	Conveyor Speed (m/min)	60 m/min	
	Angle	0 Degree + 22 Degrees	
	Special Feature	Foldable	
	MOC,Thickness, Make, Grade	Nylon/ Nylon, 4 ply, 10 mm thickness, M-24, Chevron Belt , Continental/ Hindustan/Jonsons	
	Motor rating	3.75 Kw	
4.2	Pulley		
	Head Pulley- Dia/Thickness/Legging	DIA - 320mm , thickness - 10 mm , Rubber Legging	
	Tail Pulley - Dia/Thickness/Legging	DIA - 223mm , thickness - 10 mm , NA	
	Carrying Idler-Dia/thickness/Nos.	DIA- 114 , 3.5 mm , BEARING NO. 6205	
	Return Idler- Dia/thickness/Nos.	DIA- 89 , 3.5 mm ,BEARING NO. 6205	
	Impact idler- Dia/thickness/Nos.	DIA- 114 , 3.5 mm , BEARING NO. 6205	
	Drive detail- Type/Make/Rating	GEARED MOTOR / PBL OR RADICON / 5 HP	
	Safety Switches	L&T / Schnieder/Equivalent	
	Skirt Board-Thickness/height	3 mm / 300mm	
	Shaft- MOC	EN-8	
	Bearing – type/make	FAG/NTN/SKF	
5	Mobile System for Trommel (i.e Trolley /Wheel mounted)		
	Provided details of mobile system considered	Double Axle Trolley Mounted with Wheels	
6	Makes of Bought-out Items		
	Electric Motor	Crompton / Kirloskar / Bharat Bijlee	
	Gear Box	PBL / Radicon	
	Conveyor Belt	Jhonson / Continental / Hindustan	
	Bearing	FAG	
	Electrical Switchgears	L&T / Schnieder	
	Electrical Wire	Polycab / KEI/ Grandley	
B	Technical Requirements 10 mm		
7	Trommel Screen- 10 mm		
	Thickness & MOC of Screen Plate	8mm & Mild Steel	
	Thickness & MOC of Shell Plate	10mm & Mild Steel	
	Length and Diameter of screen drum	6.5 Mtrs x 2 mtrs	
	Rotating speed of drum	12 - 14 RPM	
	Angle of inclination of drum	5 Degree	
	Self cleaning arrangement	Provided	
	Cover plate thickness	3 mm	
	Motor(s) rating	5.5 Kw x 2	
		No.	
8	Feed Conveyor BC-1 with Feed Hopper for Trommel		
8.1	Conveyor		
	Conveyor length (c to c)	4 m	
	Conveyor width	1200mm	
	Conveyor Speed (m/min)	22 m/min	
	Angle	0 Degrees	

3 Set

Supply and Installation of 30 TPH Mobile Segregation Machineries for Screening & Processing of Old Dump Waste Including Providing 1 nos. Hydra/Cranes/Poclane/Excavator 80 HP, 2 nos. JCB 74 HP, 1 nos., Tractor Loader 57 HP, 1 nos. Hywa including all Manpower as Required and O&M of all Machineries in Tender on Rental Basis.

	MOC,Thickness, Make, Grade	Nylon/ Nylon, 4 ply, 12 mm thickness, M-24, Continental/ Hindustan/Jonsons
	Motor rating	3.75 Kw
	Variable frequency drive (VFD)	To control the speed and feed of waste
8.2	Pulley	
	Head Pulley- Dia/Thickness/Legging	DIA - 320mm , thickness - 10 mm , Rubber Legging
	Tail Pulley - Dia/Thickness/Legging	DIA - 223mm , thickness - 10 mm , NA
	Carrying Idler-Dia/thickness/Nos.	DIA- 114 , 3.5 mm , BEARING NO. 6205
	Return Idler- Dia/thickness/Nos.	DIA- 89 , 3.5 mm ,BEARING NO. 6205
	Impact idler- Dia/thickness/Nos.	DIA- 114 , 3.5 mm , BEARING NO. 6205
	Drive detail- Type/Make/Rating	GEARED MOTOR / PBL OR RADICON / 5 HP
	Safety Switches	L&T / Schnieder/Equivalent
	Skirt Board-Thickness/height	3 mm / 300mm
	Shaft- MOC	EN-8
	Bearing – type/make	FAG/NTN/SKF
9	Foldable Process Conveyor to carry > 10mm	
9.1	Conveyor	
	Conveyor length (c to c)	5 m
	Conveyor width	1000mm
	Conveyor Speed (m/min)	60 m/min
	Special Feature	Foldable
	Angle	22 Degrees
	MOC,Thickness, Make, Grade	Nylon/ Nylon, 4 ply, 10 mm thickness, M-24, Chevron Belt , Continental/ Hindustan/Jonsons
	Motor rating	2.25 Kw
9.2	Pulley	
	Head Pulley- Dia/Thickness/Legging	DIA - 320mm , thickness - 10 mm , Rubber Legging
	Tail Pulley - Dia/Thickness/Legging	DIA - 223mm , thickness - 10 mm , NA
	Carrying Idler-Dia/thickness/Nos.	DIA- 114 , 3.5 mm , BEARING NO. 6205
	Return Idler- Dia/thickness/Nos.	DIA- 89 , 3.5 mm ,BEARING NO. 6205
	Impact idler- Dia/thickness/Nos.	DIA- 114 , 3.5 mm , BEARING NO. 6205
	Drive detail- Type/Make/Rating	GEARED MOTOR / PBL OR RADICON / 5 HP
	Safety Switches	L&T / Schnieder/Equivalent
	Skirt Board-Thickness/height	3 mm / 300mm
	Shaft- MOC	EN-8
	Bearing – type/make	FAG/NTN/SKF
10	Foldable Process Conveyor to carry < 10mm	
10.1	Conveyor	
	Conveyor length (c to c)	16 m
	Conveyor width	1000mm
	Conveyor Speed (m/min)	60 m/min
	Angle	0 Degree + 22 Degrees
	Special Feature	Foldable

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	MOC, Thickness, Make, Grade	Nylon/ Nylon, 4 ply, 10 mm thickness, M-24, Chevron Belt , Continental/ Hindustan/Jonsons	
	Motor rating	3.75 Kw	
10.2	Pulley		
	Head Pulley- Dia/Thickness/Legging	DIA - 320mm , thickness - 10 mm , Rubber Legging	
	Tail Pulley - Dia/Thickness/Legging	DIA - 223mm , thickness - 10 mm , NA	
	Carrying Idler-Dia/thickness/Nos.	DIA- 114 , 3.5 mm , BEARING NO. 6205	
	Return Idler- Dia/thickness/Nos.	DIA- 89 , 3.5 mm , BEARING NO. 6205	
	Impact idler- Dia/thickness/Nos.	DIA- 114 , 3.5 mm , BEARING NO. 6205	
	Drive detail- Type/Make/Rating	GEARED MOTOR / PBL OR RADICON / 5 HP	
	Safety Switches	L&T / Schnieder/Equivalent	
	Skirt Board-Thickness/height	3 mm / 300mm	
	Shaft- MOC	EN-8	
	Bearing – type/make	FAG/NTN/SKF	
11	Mobile System for Trommel (i.e Trolley /Wheel mounted)		
	Provided details of mobile system considered	Double Axle Trolley Mounted with Wheels	
12	Makes of Bought-out Items		
	Electric Motor	Crompton / Kirloskar / Bharat Bijlee	
	Gear Box	PBL / Radicon	
	Conveyor Belt	Jhonson / Continental / Hindustan	
	Bearing	FAG	
	Electrical Switchgears	L&T / Schnieder	
	Electrical Wire	Polycab / KEI/ Grandley	
C	Site unloading and handling including Hydra/Cranes/Poclane Excavator /Hywa/JCB/Tractor Loader etc		
13	Hydra/Cranes/Poclane Excavator 80 HP	1	3 Set
14	JCB 74 HP	1	
15	Tractor Loader 57 P	1	
16	Hywa	2	

Manpower Deployment Plan

B S. No	1 Nos. Set of Manpower Deployment Plan for Segregation & Material Recovery Unit	Particulars	Type	Basis of Calculation	Man Req.
1	Labours		Unskilled	4 Nos per shift	8
2	Mechanical Maintenance Operators		Skilled	1 Nos per shift	2
3	Electrical Maintenance Operators		Skilled	1 Nos per shift	2

Supply and Installation of 30 TPH Mobile Segregation Machineries for Screening & Processing of Old Dump Waste Including Providing 1 nos. Hydra/Cranes/Poclane/Excavator 80 HP, 2 nos. JCB 74 HP, 1 nos., Tractor Loader 57 HP, 1 nos. Hywa including all Manpower as Required and O&M of all Machineries in Tender on Rental Basis.

B 1 Nos. Set of Manpower Deployment Plan for Segregation & Material Recovery Unit				
S. No	Particulars	Type	Basis of Calculation	Man Req.
4	Supervisor Maintenance Operators	Skilled	1 Nos per shift	2
5	Weigh Bridge Operators	Semi-skilled	1 No per shift	2
6	Accountants	Skilled	1 No	1
7	Security Guards	Semi-skilled	1 Nos per shift	2
8	Environmental Engineer (Part Time)	Highly Skilled	1 No	1
9	Head Operations/Plant Head	Highly Skilled	1 No	1
10	Control Room Operator	Skilled	1 No per shift	2
11	Driver	Highly Skilled	5 Nos per shift	10

***Note-** Manpower Supply for Single Set of Machine a Single Shift

36. Payment Term

- The payment shall be done by bank account mechanism on monthly basis:
- Bill of rent of Machineries shall be released within 15 days of submission of acceptable bill as per amount of work done.
- Penalties if any shall be deducted.
- GST if applicable shall be paid extra.

37. Events of Default Contractor event of default

- ❖ At any time after the Commencement Date, the Competent Authority may investigate where the Contractor has failed to properly perform the operations in accordance with this contract. The Competent Authority shall issue a notice to the Contractor, instructing him to rectify the failure within a reasonable time.
- ❖ An event of default on the part of the Contractor, which results from the Contractor being unable to fulfill his service obligations under the contract, shall be deemed as a serious default, and is said to have occurred due to any of the following causes:
 - ❖ The Contractor
 - (i) has repudiated the Contract, or
 - (ii) without reasonable excuse has failed to commence operations in accordance with this contract and or failed to complete the activities/operations within the time stipulated for completion
 - ❖ Gross misconduct of the Contractor;
 - (i) Despite previous warning from the Competent Authority, in writing, is otherwise persistently or flagrantly neglecting to comply with any of his obligations under the Contract;
 - (ii) The Contractor persistently fails to follow Good Operating Practices in execution of the Contract;
 - (iii) The Contractor stops providing the operations and the stoppage has not been authorized by the Competent Authority;

Supply and Installation of 30 TPH Mobile Segregation Machineries for Screening & Processing of Old Dump Waste Including Providing 1 nos. Hydra/Cranes/Poclane/Excavator 80 HP, 2 nos. JCB 74 HP, 1 nos., Tractor Loader 57 HP, 1 nos. Hywa including all Manpower as Required and O&M of all Machineries in Tender on Rental Basis.

- (iv) The Competent Authority gives notice that failure to correct a particular defect is a fundamental breach of contract and Contractor fails to correct it within a reasonable period determined by the Competent Authority;
- (v) If the Contractor is in breach of any law or statute governing the operations;
- (vi) The Contractor, in the judgment of the Corporation, has engaged in Corrupt and Fraudulent Practices in competing for or in carrying out the Operations under the Contract;
- (vii) The Contractor (in case of a consortium) has modified the composition of the consortium and/or the responsibility of each member of the consortium without prior approval of the Corporation;
- (viii) The Contractor is unable to maintain the composition and structure of his organization due to any of the following causes:

38. Force Majeure Event

Any of the following events which is beyond the control of the party claiming to be affected thereby ("Affected Party"), and which the Affected Party has been unable to overcome or prevent despite exercise of due care and diligence, and result in Material Adverse Effect shall constitute Force Majeure Event:

- (a) earthquake, flood, inundation and landslide;
- (b) storm, tempest, hurricane, cyclone, lightning, thunder or other extreme atmospheric disturbances;
- (c) fire caused by reasons not attributable to the Contractor or any of the employees, or agents of the Contractor.
- (d) acts of terrorism
- (e) strikes, labor disruptions, any other disruptions or public unrest not arising on account of acts of the Contractor.
- (f) action of Government Agencies having Material Adverse Effect, including but not limited to
- (i) acts of expropriation compulsory acquisition or take over by any Government agency of the landfill site facilities or any part thereof
- (ii) any judgment or order of a court of competent jurisdiction or statutory authority in India made against the Contractor in any preceding, which is non-collusive and duly prosecuted.
- (iii) any unlawful, unauthorized or without jurisdiction refusal to issue or to renew or the revocation of any Applicable Permits, in each case for reason other than the Contractor's breach or failure in complying with the MSW rule, 2000, O&M requirements defined in the Contract, Applicable laws, Applicable permits, any judgment or order of any Government Agency or of any Contract by which the Contractor is bound.
- (iv) early termination of this agreement by LMC for reason of national emergency

Supply and Installation of 30 TPH Mobile Segregation Machineries for Screening & Processing of Old Dump Waste Including Providing 1 nos. Hydra/Cranes/Poclane/Excavator 80 HP, 2 nos. JCB 74 HP, 1 nos., Tractor Loader 57 HP, 1 nos. Hywa including all Manpower as Required and O&M of all Machineries in Tender on Rental Basis.

or national security.

- (g) war, hostilities (whether declared or not), invasion, act of foreign enemy, rebellion, riots, weapon conflict or military actions, civil war, ionising radiation, contamination by radioactivity from nuclear fuel, any nuclear waste, radioactive toxic explosion, volcanic eruptions.
- (h) strikes, work to rule actions, go slow or similar labour difficulty in the city as a whole and not specific to the work
- (i) any resistance from the citizens or any other groups not allowing to perform the Project/work as stipulated in the tender.

Force Majeure shall not apply in the following circumstances and events.

- (a) Un-availability, late delivery of the spares, vehicles, machineries, equipment's, materials and consumables for the work on account in change cost delay in manufacture.
- (b) A delay in performance of any other agency or employees of the contractor.
- (c) Non performance of vehicles, equipment's, machineries resulting from wear and tear and not maintained in time.
- (d) Non performance on account of failure to comply with any laws of India related to the work.

Neither LMC nor the Contractor shall be considered in default or in contractual breach to the extent that performance of obligations is prevented by a Force Majeure Event which arises after the date of issue of work order.

Upon occurrence of an event considered by the Contractor to constitute Force Majeure and which may affect performance of his obligations, he shall promptly notify LMC's Representative, and shall endeavour to continue to perform his obligations as far as reasonably practicable. The Contractor shall also notify LMC's Representative of any proposals, including any reasonable alternative means for performance, but shall not affect such proposals, without the consent of LMC's Representative.

Upon occurrence of any event considered by LMC to constitute Force Majeure, and which may affect performance of LMC's obligations, he shall promptly notify the Contractor and the Contractor's Representative, and shall endeavour to continue to perform his obligations as far as reasonably practicable. LMC shall also notify the Contractor of any proposals with the objectives of completing the works and mitigating any increased costs to LMC and the Contractor.

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SCHEDULE

FORMAT PRICE BID

online only

Tender for Supply of Segregating Trommel for old dump on Rental Basis

1. Rates must be inclusive of all taxes. Only GST shall be paid extra as actual.
2. Rates must be submitted in the Performa of schedule of rates.
3. All the terms of the tender document are applicable.

Schedule of Rates

SR.N O	DESCRIPTION	Quantity	Rate/day in Rs	Amount in Rs.(Rate/day)
1	Supply and Installation of 30 TPH Mobile Segregation Machineries for Screening & Processing of Old Dump Waste Including Providing 1nos. Hydra/Cranes/Poclane/Excavator 80 HP, 2 nos. JCB 74 HP, 1 nos., Tractor Loader 57 HP, 1 nos. Hywa including all Manpower as Required and O&M of all Machineries in Tender on Rental Basis.	3		
		Total Amount in words: Rs.		

Date:

(Sign. & Stamp of the Bidder)