

Notice Inviting e-Tender

State Urban Development Agency, West Bengal
ILGUS BHAWAN, HC BLOCK, SECTOR - III, BIDHANNAGAR, KOLKATA - 700 106
(CONTACT No: 033-2358 6408/6403/5767, Fax No: 2358 5800)

Tender Reference No.: SUDA-278/2017/1177

Date: 26.12.2017

The Director, State Urban Development Agency (SUDA) invites e-bid/online quotation from reliable, resourceful, bonafied and experienced Agencies/Suppliers/Manufacturers/Authorized Dealers having credential and experience in similar nature of work within last 5 years to any Government/Government Undertaking/Autonomous Bodies/Semi Government/ Statutory Bodies/Local Bodies as mentioned and detailed below: -

Sl. No.	Name of the Work	Earnest Money	Time of Completion	Price of Tender
1.	Supply, delivery, testing, training, trial run and successful commissioning of 23 nos. Truck Chassis mounted rear end Auto loading movable refuse compactor of 8 cum. capacity with Tip Cart mechanism to Durgapur Municipal Corporation, Chandannagar Municipal Corporation and A & B category ULB's, except Darjeeling Municipality.	2% of quoted rate. Initial earnest money will be Rs. 7,00,000/- (Seven Lakh Only) shall accompany with Bid Proposal through online mode of payment (payment link will be available in the website). Balance Earnest Money Deposit beyond Rs. 7,00,000.00/- (if any, to fulfill 2% of amount offered) shall have to be deposited at the of agreement/before issuing Work Order.	Within 90 days from the date of issuance of Work Order.	Nil

GENERAL TERMS AND CONDITIONS FOR BIDDERS THROUGH E-TENDER:

1. In the event of e-filing, intending bidders may download the tender documents from the website **<http://etender.wb.nic.in>** directly with the help of Digital Signature Certificate. Necessary Earnest Money may be remitted through e-filing.
2. Both **Technical Bid** and **Financial Bid** are to be submitted concurrently duly digitally signed in the website **<https://etender.wb.nic.in>** as per Time Schedule stated.
3. Credential certificate issuing authority shall be not below the rank of Executive Engineer. The same must be before the date of floating of this tender.
4. Valid trade license, GST, ESI, EPF, PAN etc. are to be submitted.
5. No NSIC exemption shall be allowed.
6. The rate quoted shall be valid for at least one calendar year from the last date of submission of bid.
7. Number of vehicles as mentioned in the BOQ or elsewhere may enhance upto 25%, as per necessity.
8. The vehicle must be Indigenous & must compliance with BS-IV norms.
9. Operation of the vehicle shall not be in the scope of the bidder, but the vehicle must be guaranteed for necessary maintenance for one calendar year period from the date of completion of work.
10. Liquidated Damage (LD) clause will be applied on the Quantity not supplied within the due time, on pro-rata basis.
11. The **Financial Offer** of the prospective tenderer will be considered only if the **Technical Bid** of the tenderer is found qualified by the 'Tender Evaluation Committee'. The decision of the 'Tender Evaluation Committee' will be final and absolute in this respect. The list of Qualified Bidders will be displayed in the website.

12. Eligibility criteria for participation in the tender:

- i. The Agencies/Suppliers/Manufacturers/Authorized Dealers must have complete credential and experience in supplying of similar type of vehicles of at least 10nos. in a single tender, 7nos. each in two separate tenders or must have complete supplying at least 20nos. in any single running tender within the last 5 years to any Government/ Government Undertaking/Autonomous Bodies/Semi Government/ Statutory Bodies/Local Bodies, before the date of issuing of this NIT.
- ii. The Bidder must have ISO certification in relevant field.
- iii. Tenderer must have valid Trade License, ESI, EPF, PAN, and GST. Certificate of registration with the department of Industries in the state where the manufacturing plant is located and certificate of

NSIC/Excise Registration Certificate/GST are accepted in lieu of Trade License.

- iv. The Tenderer must have service center with requisite available spares in Kolkata. A List of service centers, proper address and location must be mentioned in the bid.
- v. The prospective bidders should not have been Black Listed from any Government Organization/Statutory Body etc. during the last 3 (Three) years. (A self-declaration in this respect has to be furnished by the prospective bidders, without which the Technical Bid shall be treated as non- responsive).
- vi. The company shall furnish the Article of Association and Memorandum.
- vii. The company must submit their Audited Balance sheet of the last three financial years, which must be profitable.

13. **Payment term:** As mentioned in the commercial terms & conditions.

14. There shall be no provision of Arbitration.

15. Bid shall remain valid for a period of not less than 90 (ninety) days upto a maximum of 12 (twelve) calendar months from the last date of submission of Financial Bid/Sealed Bid. If the bidder withdraws the bid during the validity period of bid, the earnest money as deposited will be forfeited forthwith without assigning any reason thereof.

16. Date and Time Schedule:

SI. No.	Particulars	Date & Time
1.	Date of uploading of N.I.T. & other Documents (Online)	29.12.2017 at 06:00 PM
2.	Documents download start date (Online)	29.12.2017 at 06:00 PM
3.	Documents download end date (Online)	24.01.2018 at 03:00 PM
4.	Pre-Bid Meeting: Venue: Office of the Director, SUDA, "ILGUS BHAVAN" Sector III, Bidhannagar, Kolkata- 700106, West Bengal.	08.01.2018 at 12:00 NOON
5.	Bid submission start date (Online)	08.01.2018 at 03:00 PM
6.	Bid submission closing (Online)	24.01.2018 upto 3:00pm
7.	Bid opening date for Technical Proposals	29.01.2018 after 11:00am
8.	Date of uploading list for Technically Qualified Bidder (Online)	To be notified
9.	Date for opening of Financial Proposals	To be notified

17. **Earnest Money:** The amount of Initial Earnest Money would have to be deposited by the intending tenderer as per the appropriate clause through online mode of payment only. Mode of payment for Balance Earnest Money Deposit (EMD) of successful bidder will be by either demand draft or online in favour of State Urban Development Agency, may be intimated later.

18. The Bidder, at his own responsibility and risk is encouraged to visit and

examine the ULB garages of works and its surroundings and obtain all information that may be necessary for preparing the Bid and entering into a contract for the work as mentioned in the Notice Inviting Tender, before submitting offer with full satisfaction, the cost of visiting the site shall be at his own expense.

19. The intending Bidders shall clearly understand that whatever may be the outcome of the present invitation of Bids, no cost of Bidding shall be reimbursable by the Department. The Director, State Urban Development Agency, West Bengal reserves the right to accept or reject any offer without assigning any reason whatsoever and is not liable for any cost that might have been incurred by any Tenderer at the stage of Bidding.
20. Prospective applicants are advised to note carefully the minimum qualification criteria as mentioned in the '**Eligibility Criteria**' stated in before tendering the bids.
21. Conditional/Incomplete tender will not be accepted under any circumstances.
22. The intending tenderers are required to quote the price online. The quoted price must include all sorts of taxes, duties, freights, insurance etc., all complete.
23. Contractor shall have to comply with the provisions of (a) the contract Labour (Regulation Abolition) Act. 1970 (b) Apprentice Act. 1961 and (c) minimum wages Act. 1948 of the notification thereof or any other laws relating thereto and the rules made and order issued there under from time to time.
24. During scrutiny, if it comes to the notice of the tender inviting authority that the credential or any other paper found incorrect/manufactured/fabricated, that bidder would not be allowed to participate in the tender and that application will be rejected without any prejudice.
25. The Director, State Urban Development Agency, West Bengal, reserves the right to cancel the N.I.T. due to unavoidable circumstances and no claim in this respect will be entertained.
26. Before or after issuance of the **Work Order**, the tender inviting authority may verify the credential and other documents of the lowest tenderer if found necessary. After verification if it is found that the documents submitted by the lowest tenderer is either manufactured or false in that case work order will not be issued in favour of the said Tenderer under any circumstances.
27. Bank solvency certificate for at least the quoted amount from any nationalized bank is to be submitted during application online.
28. If any discrepancy arises between two similar clauses on different notification, the clause as stated in later notification will supersede former one in following sequence:

a) N.I.T.

b) Tender Document.

29. Qualification criteria:

The tender inviting and Accepting Authority through a "Tender Evaluation Committee" will determine the eligibility of each bidder. The bidders shall have to meet all the minimum criteria regarding:

a) Financial Capacity

b) Experience/Credential

30. The eligibility of a bidder will be ascertained on the basis of the document(s) in support of the minimum criteria as mentioned above and the declaration executed through prescribed affidavit in non-judicial stamp paper of appropriate value duly notarized. If any document submitted by a bidder is either manufactured or false, in such cases the eligibility of the bidder / tenderer will be rejected at any stage without any prejudice.
31. Escalation of Price on any ground and consequent cost overrun shall not be entertained under any circumstances. Rates should be quoted accordingly.
32. No. price preference and other concession will be allowed.
33. District wise list of Urban Local Bodies indicating tentative nos. of compactor to be supplied is attached herewith (Annexure- I).

DIRECTOR
State Urban Development Agency

INSTRUCTION TO THE TENDERERS/BIDDERS

SECTION - A

1. General guidance for e-tendering

Instructions/ Guidelines for Bidders for electronic submission of the Bids have been annexed for assisting them to participate in e-tendering.

2. Registration of Bidder

Any Bidder willing to take part in the process of e-tendering will have to be enrolled and registered with the Government e-procurement system, through logging on to **[https:// wbidders.gov.in](https://wbidders.gov.in)**. The Bidder is to click on the link for e-tendering site as given on the web portal.

3. Digital Signature certificate (DSC)

Each Bidder is required to obtain a class-II or Class-III Digital Signature Certificate (DSC) for submission of Bids, from the service provider of the National Information's Centre (NIC) or any other bonafide service provider on payment of requisite amount. Details are available at the Web Site stated in Clause 2 of Guideline to Bidder. DSC is given as a USB e-Token.

4. The contractor can search and download NIB and Bid Documents electronically from computer once he logs on to the website mentioned in Clause 2 using the Digital Signature Certificate. This is the only mode of collection of Bid Documents.

5. Submission of Bids.

General process of submission, Bids are to be submitted through online to the website stated in Cl. 2 in two folders at a time for each work, one in Technical Proposal and the other is Financial Proposal before the prescribed date and time using the Digital Signature Certificate (DSC) the documents are to be uploaded virus scanned copy duly Digitally Signed. The documents will get encrypted (transformed into non readable formats).

Technical proposal

The Technical proposal should contain scanned copies of the following further two covers (folders).

Statutory Documents

I. Technical Packet:

1. NIT (Notice Inviting Tender) : The Bidders are instructed to download the NIT Document Properly, and the same NIT Document will be uploaded in this Folder.
2. All Annexure: The Bidders have to take a printout copy of the Annexure, fill them properly in hard copies and the same documents has to be scanned in Multipage PDF format and upload in this Folder.
3. Special terms, conditions & specification of work and Bank solvency certificate.

II. Financial Packet:

1. BOQ (Bill of Quantity): The Bidders are Instructed to download the BOQ (i.e., Excel sheet) and the same must be filled up properly and uploaded by providing competitive rates and Company name.

Non Statutory Document/OID (Other Important Documents):

To upload these documents go to My Account My Document then you can see the Folders.

The Documents must be arranged in the format given below:

1	CERTIFICATES	PAN, PTAX CERTIFICATE, P-TAX CHALLAN LATEST, GST, VAT, VAT RETURN OF THE LAST THREE QUARTERS, CLEARANCE CERTIFICATE FOR THE CURRENT YEAR ISSUED BY THE ASSISTANT REGISTER OF CO-OP(S) (ARCS) BYE LAWS ARE TO BE SUBMITTED BY THE REGISTERED LABOUR CO-OP(S) ENGINEERS' CO.-OPT.(S),ANY OTHER CERTIFICATES WHICH IS APPLICABLE FOR THIS TENDER
2	COMPANY DETAILS	TRADE LICENCE FOR PROPRIETORSHIP FIRM, PARTNERSHIP DEED/MEMORANDUM
3	CREDENTIALS	COMPLETION CERTIFICATES OF THE PREVIOUS JOBS DONE (LAST 5 YEARS)
4	AUDIT REPORT FOR THE LAST 5 YEARS	PROFITED BALANCE SHEET FOR THE LAST 5 YEARS.
5	POWER OF ATTORNEY	POWER OF ATTORNEY (FOR PARTNERSHIP FIRM/PRIVATE LIMITED COMPANY, IF ANY)

6	OTHER IMPORTANT DOCUMENTS	<p>I) LIST OF MACHINERIES POSSESSED BY OWN/ARRANGED THROUGH LEASE DEED ALONG WITH AUTHENTICATED DOCUMENTS OF LEASE / SUB-LEASE / HIRE BASIS ETC.</p> <p>II) LIST OF LABORATORY INSTRUMENT.</p> <p>III) LIST OF TECHNICAL STAFF ALONG WITH STRUCTURE AND ORGANIZATION</p>
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The Bidders are instructed to scan the documents in Multipage PDF Format and the scanning properties must be in (100 to 150 DPI/PPI).

Note: - Failure of submission of any of the above mentioned documents will render the Bid liable to be summarily rejected for both statutory and non statutory cover.

6. Bid Evaluation

- i. Opening and evaluation of Bid: - If any Bidder is exempted from payment of EMD, copy of relevant Government order needs to be furnished (applicable in case of Registered Labour Co-Operative Society).
- ii. Opening of Technical proposal: - Technical proposals will be opened by the Bid Inviting Authority electronically from the website using his/ her Digital Signature Certificate.
- iii. Cover (folder) of statutory documents should be opened first and if found in order, cover (Folder) for non-statutory documents will be opened. If there is any deficiency in the statutory documents the Bid will summarily be rejected.
- iv. Uploading of summary list of technically qualified Bidders.
- v. Pursuant to scrutiny and decision of the screening committee the summary list of eligible Bidder and for which their proposal will be considered and uploaded in the web portals.
- vi. While evaluation, the committee may summon the Bidders and seek clarification / information or additional documents or original hard copy of any of the documents already submitted and if these are not produced within the stipulated time frame, their proposals will be liable for rejection.

Financial proposal

To be uploaded digitally signed by the Bidder. BOQ has been uploaded for financial bidding as per Annexure 1.

Financial capacity of a Bidder will be judged on the basis of working capital and available bid capacity as mentioned in the information furnished in the N.I.T. documents. If an applicant feels that his/their Working Capital beyond own resource may be insufficient, he/they may include with the application a letter of guarantee issued by a first class Bank to supplement the applicant. This letter of guarantee should be addressed to the Bid Inviting/ Accepting Authority and should guarantee duly specifying the name of the project that in case of contract is awarded to the Bidder, the Bidder will be provided with a revolving line of credit. Such revolving line of credit should be maintained until the works are taken over by the Authority.

The audited Balance sheet for the last five years, net worth bid capacity etc. are to be submitted which must demonstrate the soundness of Bidder's financial position, showing long term profitability including an estimated financial projection of the next two years.

7. Penalty for suppression /distortion of facts

Submission of false document by Bidder is strictly prohibited and in case of such act by the Bidder the same may be referred to the appropriate authority for prosecution as per relevant IT Act with forfeiture of earnest money forthwith.

8. REJECTION OF BID

The Employer (Bid accepting authority) reserves the right to accept or reject any Bid and to cancel the Bidding processes and reject all Bids at any time prior to the 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 ground for Employer's (Bid accepting authority) action.

The Bidder, whose Bid has been accepted will be notified by the Bid Inviting and Accepting Authority through acceptance letter/Letter of Acceptance.

The Letter of Acceptance will constitute the formation of the Contract.

The Agreement in Printed Tender Form will incorporate all necessary documents e.g. N.I.T., all addenda-corrigendum, special terms and condition, different filled-up forms Price Schedule and the same will be executed between the Bid Accepting Authority and the successful Bidder.

DIRECTOR
State Urban Development Agency

ANNEXURE A
PRE-QUALIFICATION APPLICATION

To
The Director
State Urban Development Agency, West Bengal

(Name of work)

N. I. T. No.:

Dear Sir,

Having examined the Statutory, Non statutory and NIT documents, I/we hereby submit all the necessary information and relevant documents for evaluation. The application is made by me/us on behalf of _____ in the _____ capacity _____ duly authorized to submit the order.

The necessary evidence admissible by law in respect of authority assigned to us on behalf of the group of firms for Application and for completion of the contract documents is attached herewith.

We are interested in bidding for the work(s) given in Enclosure to this letter.

We understand that:

- a) Bid Inviting and Accepting Authority/Engineer-in-Charge can amend the scope and value of the contract bid under this project.
- b) Bid Inviting and Accepting Authority/Engineer-in-Charge reserves the right to reject any application without assigning any reason.

Encl. : e-Filling:-

1. Statutory Documents
2. Non Statutory Documents

Date:

Signature of applicant including title
and capacity in which application is made

ANNEXURE B
Experience Profile

Name of the Firm:

List of projects completed that are similar in nature to the supply executed during the last 5 (five) years

Name of Employer	Name, Location & nature of work/ Supply	Name of Consulting Engineer responsible for supervision	Contract price in Indian Rs.	Percentage of Participation of company	Original Date of start of work/ Supply	Original Date of completion of work/ Supply	Actual Date of starting the work /Supply	Actual Date of completion of work/ Supply	Reasons for delay in completion (if any)

Note :

1. Certificate from the Employers to be attached
2. Non-disclosure of any information in the Schedule will result in disqualification of the firm

**ANNEXURE C
FINANCIAL STATEMENT**

B.1. Name of Applicant :

B.2. Summary of assets and liabilities on the basis of the audited financial statement of the last five financial years.

(Attach copies of the audited financial statement of the last five financial years)

	1 st Year (Rs. In lakh)	2 nd Year (Rs. In lakh)	3 rd Year (Rs. In lakh)	4 th Year (Rs. In lakh)	5 th Year (Rs. In lakh)
a) Current Assets : (It should not include investment in any other firm)					
b) Current liabilities : (It should include bank over draft)					
c) Working capital (a) – (b)					
d) Net worth : (Proprietors Capital or Partners Capital or Paid up Capital + Reserve and surplus)					
e) Bank loan / Guarantee					

B.3. Annual value of works undertaken:

Work in hand i.e. Work order issued	As on 31.03.2015	As on 31.03.2014	As on 31.03.2013	As on 31.03.2012	As on 31.3.2011

Title of the Officer

Signed by an authorized officer of the firm

Name of the Firm with Seal Date

**ANNEXURE D
POWER OF ATTORNEY**

Declaration of the Bidder

(Affidavit to be affirmed on a Non Judicial Stamp Paper of Appropriate Value and Duly Notarized)

I, son of aged about years by occupation do hereby solemnly affirm and confirm as follow :

1. That, I am the of have duly authorized by and competent to affirm this affidavit on behalf of the said Bidder.

2. That, I have inspected the site of work covered under NIB (NIB No) circulated through Office memo bearing No dated and have made myself fully acquainted with the site conditions existing level/proposed level and local conditions in and around the site of work. I have also carefully and meticulously gone through the Bid documents. Bid of the above named Bidder is offered and submitted upon due consideration of all factors and if the same is accepted, I on and for behalf of the aforesaid Bidder, being lawfully and duly authorized, promise to abide by all the covenants, conditions and stipulations of the Contractual documents and to carry out, complete the works to the satisfaction of the Bid accepting Authority of the Work and abide by all instructions as may given by the Engineer in Charge of the work time to time. I also hereby undertake to abide by the provisions of Law including the provisions of Contract Labour (Regulation & Abolition) Act, Apprentice Act 1961, West Bengal Sales Tax Act, VAT Act, Income Tax Act as would be applicable to the Contractor upon entering into formal Contract / agreement with the Bid Inviting/Accepting authority.

3. That I declare that, no relevant information as required to be furnished by the Bidder has been suppressed in the Bid documents.

4. That the statement above made by me is true to my knowledge.

Deponent

Solemnly affirmed by the said before me.

(1st class Judicial Magistrate / Notary Public)

ANNEXURE E
STRUCTURE AND ORGANISATION

A.1. Name of applicant :

A.2. Office Address :

Telephone No. and Cell Phone No. :

Fax No. :

E mail :

A.3. Attach an organization chart showing the structure of the company with names of

Key personnel and technical staff with Bio-data. :

Note: Application covers Proprietary Firm, Partnership, Limited Company or Corporation.

Signature of applicant including title
and capacity in which application is made

TECHNICAL SPECIFICATION OF COMPACTOR [8 CUM]

TECHNICAL SPECIFICATION FOR 8 CUM CAPACITY VEHICLE CHASSIS MOUNTED, REAR END MANUAL LOADING AND AUTO LOADING MOVABLE REFUSE COMPACTOR WITH TIP CART MECHANISM.

1. GENERAL DESCRIPTION

Manufacture & supply of a Truck Chassis mounted, Rear End Auto Loading, Refuse Compactor, capable of collecting garbage/organic waste, compacting the same and transporting it to dumping ground.

Truck mounted equipment should be of versatile capabilities and to be effective & economical to operate for disposing mixed waste which will include garden waste, market waste, domestic waste, commercial waste and others as generated in Municipal area.

The Compactor to be designed to allow loading of refuses:

1. Manually,
2. By an independent refuse collection, hopper vehicle,
3. By hydraulically lifting and emptying of all Bins of capacities up to 240 liters, 1100 Litres into the hopper of compactor
4. The loose waste should be compacted up to 700-800 kg./cum (approx.)

The compactor should be with the following main components:

Container should be 8 m³ capacities. The container body shall be made of anti-corrosive steel.

- An ejector plate driven by double acting hydraulic cylinder
- Tailgate bodies with two numbers double acting cylinders to facilitate its opening/closing operations.
- A set of carrier and packer plates, each operated by a pair of hydraulic cylinders,
- A universal hydraulic bin lifter at the rear end, with two numbers of double acting hydraulic cylinders.
- A suitably rated, vehicle's PTO driven, Hydraulic pump unit.

The equipment shall have a loading height of maximum 1000 mm from the ground. System with lower height for easy loading will be preferred.

The equipment to be designed for at least continuous 8 hours operations under average conditions without any ill effects on its components.

2. VEHICLE CHASSIS

The complete equipment is to be mounted on a vehicle chassis. The Chassis to be supplied by the supplier with a factory fitted auxiliary PTO and Hydraulic Jack.

Technical Data:

Manufacturer & Model : Reputed manufacturer with standard design make BS-IV compliant chassis as per the Govt. notification Applicable within the Municipal jurisdiction.

Details of Make / Model / Specification must be Mentioned by the bidder without which the tender May not be considered.

GVW	:	Min 12 MT
HP	:	Min 90 HP
Wheel Base	- :	Min 4200 mm.
Engine	:	4 or 6 cylinder and water cooled.
Tyre size	:	8.25 x 20-16PR.
Fuel Tank	:	100 ltr. (Min.)

3. CABIN

The Cabin should be sleeper type having Driver seat and Co-Driver seat of 3 (three) accommodation provided with single / two part front view wind shield glass & window with proper ventilation. There should be two emergency lights on both side of the top of the cabin.

a) MOUNTING

The Refuse Collection Body to be welded to a skid / sub-frame and to be directly bolted on to the long-bearers of the chassis frame with shear plates. The front end of the collector body to be supported on each side using springs / special rubber mountings.

b) REFUSE COLLECTION BODY

The skid mounted Refuse Collection Body to be of a min 7 m³ volumetric capacity and of rectangular cross section. The body shall be fabricated from high tensile steel. The container to be of an all electrically welded and construction will be conformed to IS 2825. A hydraulically operated ejector plate should be located at the forward end of the container body. At the rear end should be fitted a hinged tailgate assembly, consisting of a hopper, a slider and packer plate assembly which constitutes the compacting unit.

The top, bottom and sidewalls, as also the tailgate, should be reinforced with steel rectangular hollow sections & an automatic tailgate locking arrangement to be incorporated in the system.

Material	:	High tensile steel one piece rolled side sheets & braced by front and rear hooks with pressed integral channels & keel type floor.
Volumetric Capacity	:	Min 8 m ³
Side Plates	:	Min. 4 mm thick
Floor	:	Min. 5mm thick
Emergency Light	:	Two emergency lights to be fitted on the top of the body of the back side

4. The Compactor should have the following.

a) EJECTOR BLOCK

b) TAIL GATE ASSEMBLY

- i) TAILGATE: Tailgate with double lip type rubber seal cord for leak-proof and Automatic Gate locking arrangement to be provided made of 7 mm plate side panel.
- ii) HOPPER: Min 1 m³ capacity steel hopper with maximum loading height of 1000 mm to be welded between the sides of the Tailgate hopper bottom & side of 7 mm plates.
- iii) SLIDER PLATE: The plate to be of robust design to withstand harsh operating condition and actuated by hydraulic cylinder.
- iv) PACKER PLATE: The plate to be of robust design with strong reinforced beading arms with hydraulic cylinder to be provided. Proven two plate fabrication packer of high tensile abrasion steel, slides within hopper channels on low friction self lubricating bearing.
- v) UNIVERSAL BIN LIFTER: Hydraulically operated Universal Bin Lifter unit capable to lift 240 liter & 1100 litre EN/ DIN standard Bin to be provided along with fittings.
- vi) BIN/TIP CART LIFTER: Bin cart should be 2 to 3 times the size of traditional hand cart. Bin cart should be fitted on the body properly to prevent unwanted noise during transportation of municipal solid waste. Tip cart should be detachable and not to be bolted but connected with the compactor in such a way that tip cart can be easily detached within few minutes.

5. HYDRAULIC SYSTEM & DRIVE

a) Hydraulic Pump & Drive

WIPRO or equivalent makes hydraulic Pump of adequate capacity to meet the operational requirements of the complete system to be provided with the equipment. The hydraulic pump should be axial piston type/ gear Type with min. flow rate 64 lpm & speed 1500 rpm.

The hydraulic pump to be driven by the auxiliary PTO supplied with the chassis. Engaging & disengaging of the PTO should be from the driver's cabin.

b) Hydraulic Cylinders

Hydraulic cylinders to be provided to carry out the functions of following component of the refuse collector unit:

1. Double acting cylinder for Slider Plate
2. Double acting cylinder for Packer Plate
3. Double acting cylinder for Tailgate lifting and Auto-locking arrangement
4. Double acting cylinder for Universal Bin Lifting arrangement

5. Double acting cylinder for Dumper Placer Arms
6. Double acting, 3-stage cushioned cylinder for Ejector Panel Block

The cylinders to be manufactured by an ISO-9001/14001 certified company.

All cylinders to be double acting and cushioned, manufactured from ST-52 Grade steel and seals of reputed ISO-9001 manufacturer to be used.

All cylinders to be provided with lubricated bearings and should be of a standard reputed make.

c) Mobile Control Valves

1 no 2-bank direction control valve block to be provided to facilitate lifting & lowering the Tailgate and movement of the Refuse Ejector Plate.

1 no 2-bank direction control valve block to be provided to facilitate movement of the Carrier Plate, Packer Plate for compaction.

1 no 2-bank direction control valve block to be provided to facilitate Stabilizer units.

The valves to be designed so as to allow operations by two hands only to avoid risks of accidents. The mobile Control valves to be of a standard reputed make such as that of Valvoil of Italy or Bucher of Germany or equivalent.

d) Tank & Filters

The hydraulic oil storage tank should have a volumetric capacity of a minimum 100 liters and should come equipped with a suction strainer of 125 microns, steel cartridge type return line filter of 25 microns, filler/filter/breather for the tank and a level indicator. Tank to be made of min. 3 mm steel as per IS: 2062 grade A/ IS: 1079.

6. SURFACE PREPARATION AND FINISH

Both the exterior and interior surfaces of the compactor to be thoroughly sanded prior to spray painting.

The container exterior should be spray-painted with two coats of superior quality, anti-corrosive primer and two coats of enamel metal paint of a reputed make. The colour shade to be that of the customer's choice.

To resist corrosion due to weak acids, the interior will be coated with 2 coats of anti-corrosive gray epoxy paint.

Technical Schedule of 8 M³ Capacity, Vehicle Chassis Mounted, Rear End Auto Loading Refuse Compactor

Sl. No.	Item Description	Bid Requirement	Bidders Specification
1.	Type	Auto Loading Refuse Compactor	
2.	Engine	4/6 cylinders & water cooled.	
2.1	Minimum engine output	90H.P	
2.2	Environment compliance	BS-IV	
2.3	No of strokes cylinder	Double acting cushioned cylinder	
2.4.	GVW	12 MT (Min)	
3.	Wheel Base	4200 mm (min)	
4.	Hydraulic Pump	Axial Piston Type/Gear Type	
5.	Min. capacity of EN /DIN standard Bin.	240 litre	
6.	Max. capacity of EN /DIN standard bin.	1100 litre	
7.	Compactor capacity Min capacity	8 m ³	
8.	Compactor Capacity	Loose waste compacted up to 700-800 Kg/cum approximate.	
9.	Anti-corrosive steel	As per specification	
10.	ISO 9001 : 2008 Certification	For all hydraulic cylinders, stabilizers, pumps and allied components.	

Materials to be used in compactor:

Sl. No.	Description	Material
1.	Main compactor body	Steel as per IS 2062, Gr. A
2.	Refuse Ejection Barrier	Steel as per ST 52/ IS 2062, Gr. A
3.	Hopper	Hardox 400 / ST-52-3
4.	Packer	Hardox 400 /ST-52-3

All the above mentioned parameters would be thoroughly checked during inspection at vendor's premises before dispatch of the Compactors.

Material Thickness:

1. Main Container body:		
Side plate	:	Min. 4 mm
Floor plate	:	Min. 5 mm
Roof plate	:	Min. 3 mm
2. Refuse Ejection Earner	:	Min. 3 mm plate
3. Hooper	:	Min. 3 mm plate
4. Packer	:	Min. 5 mm plate

Safety features & Instructions:

1. Repairs / Adjustments if any to be carried only when the vehicle is stationary and if the tailgate is lifted it has to be supported by 'hopper props' that should be provided by the manufacturer.
2. The vehicle with compactor body to be fixed securely while moving from place to place.
3. Hoper lift rams should be fitted with integral pilot operated load holding valves so that even if a hose fails, or is removed, the hopper cannot descend unless positively powered downwards.
4. An emergency push button should be provided for stopping the compaction operation in the event of any emergency.
5. Hose burst valve shall be fitted to the system to prevent the tailgate descending in the event of hydraulic failure. There shall be a body prop provided on the tailgate to hold the tailgate in the open position for safety of workshop personnel when entering the body for maintenance & repair.

Commercial Terms & Conditions:

1. Payment terms :

- i) All payments will be made by the Director, SUDA.
 - ii) Earnest Money Deposit will be automatically converted to Security Deposit and will be released after successful and satisfactory completion of warranty period as prescribed.
 - iii) 80% of contract price will be released after receipt of equipment/vehicles at respective Municipal garage.
 - iv) 12% of contract price after a minimum of 15 days trial run period, commissioning & training of Municipal Personnel after delivery.
 - v) 8% of contract value shall be retained as security deposit money (i.e. total of 10% of contract value, including EM Deposit) which will be released after successful and satisfactory warranty period as prescribed.
2. There shall be complete integrated full body free warranty for an initial period of 12 months.
 3. All vehicles must comply fully with the respective safety norms laid by GOI.
 4. Liquidated Damage (LD): @ 0.3% penalty (maximum 10% of total contract value) for delay beyond contract delivery period will be chargeable on pro rata basis per day for the number of day of delay on undelivered quantity only.
 5. Successful Tenderer must submit a Bank Guarantee @ 50% of the Quoted Amount as Performance Security and will be retained until the completion of the work.
 6. Price should be inclusive of all taxes & duties, freight, final registration & comprehensive insurance on road trial run & training. Final registration & comprehensive insurance will be done to the head of concerned ULB.
 7. Price quoted should be firm and should remain valid up to one calendar year from the last date of submission of bid.
 8. List of spares & consumables for 1 year warranty period with individual rate should be mentioned but not to be included in the offered price.
 9. All spare parts mentioned above during warranty period will be supplied by the Tenderer with manpower to replace/repair things, but the cost of such spares will be paid additionally time to time, if required.
 10. Delivery to be made to respective Municipality garage or as the case may be as per direction of the EIC or Director, SUDA.
 11. Bidders has to consider consumables like Air filters, Engine oil filter, fuel filter, Break liners, Fan belt, Engine belt, Engine oil, Tooth points and coolant as spare parts required during warranty period.

12. The quantity mentioned in the BOQ or elsewhere may increase upto 25%, as per necessity.
13. Authorization/Certificate to be provided during submission of bid from the Original Equipment Manufacturer (OEM).
14. The vehicle must be Indigenous & must comply with BS-IV norms.
15. Any defects as in the scope of warranty (the bidder must mention these items) come out during the warranty period must be rectified at the contractors risk and cost within a time period specified by the Authority/ End user time to time.
16. Inspection will be done at manufacturing site of the bidder (First One before painting applied over the vehicle or equipment and another one before delivery or as and when required). If any discrepancy is found in the material supplied and technical specifications approved, the same lot shall be rejected. No claim for the rejected material shall be entertained. The cost for the same (for at least two Persons/may be decided by the Director, SUDA) shall be borne by the contractor.
17. No conditional tender will be accepted.
18. The tendering authority reserves the right to accept/reject any tender at his discretion, whatsoever.

DIRECTOR
State Urban Development Agency

ULB WISE S.W.M. EQUIPMENTS.

ANNEXURE- I

District	Sl. No.	Name of Urban Local Body	Category	Compactor
MUNICIPAL CORPORATION				
Hooghly	1	Chandannagar Municipal Corporation	MC	1
Burdwan	2	Durgapur Municipal Corporation	MC	2
MUNICIPALITY				
Burdwan	3	Burdwan Municipality	A	1
Burdwan	4	Kalna Municipality	D	
Burdwan	5	Katwa Municipality	D	
Burdwan	6	Dainhat Municipality	E	
Burdwan	7	Gushkara Municipality	D	
Burdwan	8	Memari Municipality	D	
Birbhum	9	Suri Municipality	D	
Birbhum	10	Rampurhat Municipality	D	
Birbhum	11	Bolpur Municipality	D	
Birbhum	12	Dubrajpur Municipality	D	
Birbhum	13	Sainthia Municipality	D	
Birbhum	14	Nalhati Municipality	D	
Bankura	15	Bankura Municipality	C	
Bankura	16	Bishnupur Municipality	D	
Bankura	17	Sonamukhi Municipality	E	
West Midnapore	18	Midnapore Municipality	C	
West Midnapore	19	Ghatal Municipality	D	
West Midnapore	20	Chandrakona Municipality	E	
West Midnapore	21	Ramjibanpur Municipality	E	
West Midnapore	22	Khirpai Municipality	E	
West Midnapore	23	Kharar Municipality	E	
West Midnapore	24	Kharagpur Municipality	B	1
West Midnapore	25	Jhargram Municipality	D	
East Midnapore	26	Tamluk Municipality	D	
East Midnapore	27	Panskura Municipality	D	
East Midnapore	28	Contai Municipality	C	
East Midnapore	29	Egra Municipality	E	
East Midnapore	30	Haldia Municipality	B	1
Hooghly	31	Hooghly Chinsurah Municipality	B	1
Hooghly	32	Bansberia Municipality	C	
Hooghly	33	Serampore Municipality	B	1
Hooghly	34	Baidyabati Municipality	C	
Hooghly	35	Champdany Municipality	C	
Hooghly	36	Bhadreswar Municipality	C	
Hooghly	37	Rishra Municipality	C	
Hooghly	38	Konnagar Municipality	D	
Hooghly	39	Uttarpara-Kotrung Municipality	C	
Hooghly	40	Arambagh Municipality	D	
Hooghly	41	Tarakeswar Municipality	E	
Hooghly	42	Dankuni Municipality	C	
Howrah	43	Uluberia Municipality	A	1
North 24 Parganas	44	Ashokenagar-Kalyangarh Municipality	C	
North 24 Parganas	45	Baduria Municipality	D	
North 24 Parganas	46	Baranagar Municipality	A	1

District	Sl. No.	Name of Urban Local Body	Category	Compactor
North 24 Parganas	47	Barasat Municipality	A	1
North 24 Parganas	48	Barrackpore Municipality	C	
North 24 Parganas	49	Basirhat Municipality	C	
North 24 Parganas	50	Bhatpara Municipality	A	1
North 24 Parganas	51	Bongaon Municipality	C	
North 24 Parganas	52	Dum Dum Municipality	C	
North 24 Parganas	53	Garulia Municipality	C	
North 24 Parganas	54	Gobardanga Municipality	D	
North 24 Parganas	55	Habra Municipality	C	
North 24 Parganas	56	Halisahar Municipality	C	
North 24 Parganas	57	Kamarhati Municipality	A	1
North 24 Parganas	58	Kanchrapara Municipality	C	
North 24 Parganas	59	Khardah Municipality	C	
North 24 Parganas	60	Madhyamgram Municipality	B	1
North 24 Parganas	61	Naihati Municipality	A	1
North 24 Parganas	62	New Barrackpore Municipality	D	
North 24 Parganas	63	North Barrackpore Municipality	C	
North 24 Parganas	64	North Dum Dum Municipality	A	1
North 24 Parganas	65	Panihati Municipality	A	1
North 24 Parganas	66	South Dum Dum Municipality	A	1
North 24 Parganas	67	Taki Municipality	D	
North 24 Parganas	68	Titagarh Municipality	C	
South 24 Parganas	69	Budge Budge Municipality	D	
South 24 Parganas	70	Rajpur-Sonarpur Municipality	A	1
South 24 Parganas	71	Baruipur Municipality	D	
South 24 Parganas	72	Joynagar-Mazilpur Municipality	E	
South 24 Parganas	73	Diamond-Harbour Municipality	D	
South 24 Parganas	74	Maheshtala Municipality	A	1
South 24 Parganas	75	Pujali Municipality	D	
Nadia	76	Krishnagar Municipality	C	
Nadia	77	Nabadwip Municipality	C	
Nadia	78	Santipur Municipality	C	
Nadia	79	Ranaghat Municipality	D	
Nadia	80	Birnagar Municipality	E	
Nadia	81	Chakdah Municipality	C	
Nadia	82	Kalyani Municipality	C	
Nadia	83	Gayeshpur Municipality	D	
Nadia	84	Taherpur Notified Area	D	
Nadia	85	Haringhata	E	
Nadia	86	Coopers' Camp Notified Area	E	
Murshidabad	87	Berhampore Municipality	B	1
Murshidabad	88	Murshidabad Municipality	D	
Murshidabad	89	Jiaganj Azimganj Municipality	D	
Murshidabad	90	Kandi Municipality	D	
Murshidabad	91	Jangipore Municipality	C	
Murshidabad	92	Dhulian Municipality	C	
Murshidabad	93	Domkal	C	
Murshidabad	94	Beldanga Municipality	E	
Jalpaiguri	95	Jalpaiguri Municipality	C	
Jalpaiguri	96	Dhupguri Municipality	D	
Alipurduar	97	Mal Municipality	E	

District	Sl. No.	Name of Urban Local Body	Category	Compactor
Alipurduar	98	Alipurduar Municipality	D	
Malda	99	English Bazar Municipality	B	1
Malda	100	Old Malda Municipality	D	
Darjeeling	101	Darjeeling Municipality	A	
Darjeeling	102	Kurseong Municipality	D	
Darjeeling	103	Kalimpong Municipality	C	
Darjeeling	104	Mirik Notified Area Authority	E	
Dakshin Dinajpur	105	Balurghat Municipality	C	
Dakshin Dinajpur	106	Buniyadpur	D	
Dakshin Dinajpur	107	Gangarampore Municipality	D	
Uttar Dinajpur	108	Raiganj Municipality	B	1
Uttar Dinajpur	109	Kaliaganj Municipality	D	
Uttar Dinajpur	110	Islampore Municipality	D	
Uttar Dinajpur	111	Dalkhola Municipality	D	
Cooch Behar	112	Cooch Behar Municipality	D	
Cooch Behar	113	Dinhata Municipality	D	
Cooch Behar	114	Mathabhanga Municipality	E	
Cooch Behar	115	Mekliganj Municipality	E	
Cooch Behar	116	Haldibari Municipality	E	
Cooch Behar	117	Tufanganj Municipality	E	
Purulia	118	Purulia Municipality	C	
Purulia	119	Jhalda Municipality	E	
Purulia	120	Raghunathpur Municipality	E	
		TOTAL		23

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