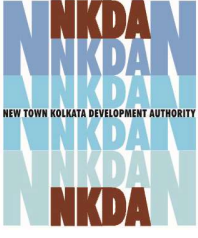


NEW TOWN KOLKATA DEVELOPMENT AUTHORITY



(A Statutory Authority under Government of West Bengal)
Plot No. DG/13, Premises No. 04-3333, Action Area – ID,
New Town, Kolkata – 700156

Memo. No. 1540 /NKDA/Engg-36/2010(XIII)

Date: 10/02/2023

NOTICE INVITING e-TENDER

Notice Inviting e-Tender No. WBNKDA/39/EE-I/NKDA/2022-23(2nd Call)

Executive Engineer – I, New Town Kolkata Development Authority invites item rate e-Tender from resourceful, reliable, bona-fide and experienced agencies / companies / concerns and reputed organizations working NKDA, KMDA, WBHIDCO, PWD, PHED and other Govt. Departments having experience in dealing, supply with operation & maintenance of similar type of waste disposal vehicle / vehicles & they are requested to submit their offer for the work detailed below.

(Submission of Bid through **online**)

S l. No	Name of the work	Estimated Amount (Rs.)	Earnest Money (Rs.)	Price of Tender documents (Rs.)	Period of Completion
1	Supply of Truck mounted Garbage Disposer / Waste disposal vehicle for Solid Waste Management Programme of New Town Kolkata Development Authority including 05 (five) years maintenance	Rate to be quoted by the bidders.	Rs.10,00,000.00	As will be specified by the authority for each set, to be paid only by the successful bidder during the time of agreement	06 (six) month for supply & delivery & 05 (five) years operation & maintenance.

- 1) In the event of e-filling, intending bidder may download the tender documents from the website <http://wbtenders.gov.in> directly with the help of Digital Signature Certificate. All the bidders will have to submit On-line Earnest Money & necessary Earnest Money will be deposited by the bidder through the following payment mode as per Finance Department Order No. **3975-F(Y)** dated 28th July, 2016 (Annexure-A).
 - (i) **Net Banking** (any of the banks listed in the ICICI Bank Payment gateway) in case of payment through ICICI bank payment gateway.
 - (ii) **RTGS / NEFT** through bank account in any bank. The EMD shall be deposited in favour of “**New Town Kolkata Development Authority**” payable at “**Kolkata**”.
- 2) Both **Technical Bid** and **Financial Bid** are to be submitted concurrently duly digitally signed in the website <http://Wbtender.gov.in>.
- 3) Tender documents may be downloaded from website and submission of Technical Bid and Financial Bid will be done as per Time Schedule stated in Sl. No. 15 of this NIeT.

- 4) Tender documents may be downloaded from website and submission of Technical Bid and Financial Bid will be done as per Time Schedule stated in Sl. No. 12 of this NIEt.
- 5) The **FINANCIAL OFFER** of the prospective qualified tenderer(s) will be considered only if the **TECHNICAL BID** of the tenderer(s) is found qualified by the competent authority of New Town Kolkata Development Authority. The decision of the competent authority of New Town Kolkata Development Authority will be final and absolute in this respect. The list of Qualified Bidders will be displayed in the website.

6) Eligibility criteria for participation in the tender.

- i) Working Contractors of NKDA, KMDA, WBHIDCO, PWD, PHED and other Govt. Departments having satisfactorily completed (as prime contractor) during the last 05 years, at least one work in dealing, supply with operation & maintenance of similar type of waste disposal vehicle / vehicles having magnitude of **Rs. 1.80 crore** (Rupees One crore eighty lakh). Authentic documents in original, from the Engineer-in-charge of the work will have to be submitted in support of the above credential as non-statutory documents;

In case of running works, only those tenderers who will submit the certificate of satisfactory running work from the concerned Executive Engineer, or equivalent competent authority will be eligible for the tender. In the required certificate it should be clearly stated that the work is in progress satisfactorily and also that no penal action has been initiated against the executed agency. i.e. the tenderer. The value of the executed portion of the running work should be equal to or greater than Rs. 1.80 Crore (Rupees One Crore eighty lakh)

- ii) Detail breakup of credential with nature of work as per requirement of the NIEt has to be specified clearly with the value of such work.
- iii) Pan Card, GST, Trade License and Income Tax Acknowledgement Receipt for the latest three Assessment year, P.T. Deposit Challan for the year 2022-2023.
- iv) Registered Partnership Deed for Partnership Firms only along with Power of Attorney since executed under any Judicial Magistrate/First Class Magistrate is to be submitted. The company shall furnish the Article of Association and Memorandum as non-statutory documents.
- v) The bidder must have registered office / service centre in Kolkata, West Bengal. Supporting document should be attached.
- vi) **Joint Ventures/MOU will not be allowed as credential.**

Documentary evidence should be provided in support of the above

A. Annual Turnover

The organization should preferably have an average annual turnover of Rs.6(Six) Crores for the Last three financial years. A certified document issued by a chartered accountant stating the net worth and average annual turnover of the bidder has to be submitted.

- 7) Mobilisation advance, time / cost over run and consequent cost escalation for any material, labour, etc. will not be allowed.
- 8) The offer shall remain valid for 180 days from the date of opening of the tender.
- 9) On-going payments for work may be allowed to the executing agency as per existing rules and availability of fund. Subject to deduction of security deposit, progressive payment may be made against the completed or partly completed item of works. Such interim payments, shall be made as running account bill(s), however, shall not construed to mean that the respective items / components have finally been approved and accepted by NKDA and the contractor shall not be absolved of his responsibility to set right any deficiency of such paid items / components at his/ their own cost, for rectifying all defects which are subsequently being noted or found.

10) No claim for interest or compensation will be entertained in respect to any money or balance of payment which may be due or alleged to be due to the contractor owing to any dispute between the contractor and NKDA or in respect to any delay in making payment of progressive or final bill of the work, to the contractor.

Payment for the works done by the contractor will be based on recorded and accepted measurement put for payment to be invariably made by putting signature (with seal) of the contractor (or his/ their authorized representative). The contractor or his/ their authorized representative are advised to take measurements jointly with the officials of NKDA. In case of failure of his/their part either to take measurement jointly and /or acceptance of the recorded measurement, within a reasonable time, measurement taken by the department shall be considered as final for making payment. Similar acceptance is also essential for level records and survey data, field books etc.

11) Security Deposit:

Retention money towards performance Security amounting to 1% (*one percent*) of the value of the work apart from the 2% earnest money of the quoted amount shall be deducted from the running account bill of the tenderer as per prevailing order. No interest will be paid on the money retained for Security Deposit.

12) Date and Time Schedule:

Sl. No.	Particulars	Date & Time
1.	Date of uploading of N.I.T. & other Documents (online) (Publishing Date)	10/02/2023
2.	Documents download start date (Online)	10/02/2023 from 5:30 P.M.
3.	Documents download end date (Online)	03/03/2023 upto 5:30 P.M.
5.	Bid submission start date (Online)	10/02/2023 from 5:30 P.M.
6.	Bid submission closing date (Online)	03/03/2023 upto 5:30 P.M.
7.	Bid opening date for Technical Proposals (Online)	06/03/2023 at 11:30 A.M.
8.	Last Date of uploading list for Technically Qualified Bidder(online)	Will be intimated in due course
9.	Date for opening of Financial Proposal (Online).	Will be intimated in due course

13) (a) Earnest Money for the successful tenderer will be retained and converted as Initial Security deposit. The Balance security deposit @ 1% will be deducted from on-going bills to cover 3% of the total value of work done.

(b) The security deposit for the original work of the successful tenderer will be refunded after defect liability period is over as stipulated in relevant clause of the tender document.

14) The tenderers are bound by the terms & conditions of WBF 2911(ii) along with specification, notice for calling Tenders, Special terms & condition, Information to Bidders, Schedule of works etc, which forms a part and parcel of this contract.

15) Income Tax, GST and others Taxes as admissible will be deducted as per Govt. orders issued from time to time and would be applicable on the date of making payment of the bills. Building & other construction workers cess @ 1.0% will be deducted from progressive bills in pursuance with G.O. no. 599A/ 4M – 28 / 06 dated 27/09/2006. The rate quoted would remain same throughout the period of contract and should be inclusive of **all taxes** which are and will also be applicable during the entire tenure of the contract.

- 16) The Bidder, at his own responsibility and risk is encouraged to visit and examine the site 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 expenses.
- 17) 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. New Town Kolkata Development Authority reserves the right to accept or reject any offer without assigning any reason whatsoever and is not liable for any reimbursement of any cost that might have been incurred by any Tenderer at any stage of Bidding.
- 18) Prospective applicants are advised to note carefully the eligibility criteria before tendering the bids.
- 19) **Conditional / Incomplete tender will not be accepted under any circumstances.**
- 20) **The intending tenderers are required to quote the rate *online*.**
- 21) 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.
- 22) Before issuance of WORK ORDER, the Tender Inviting Authority may verify the credential and other documents of the lowest tenderer in original, 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 and his/their offer will be treated as cancelled.
- 23) If any discrepancy arises between two similar clauses on different notification, the clause superseding others will be solely as per the discretion of the Tender inviting authority.
- 24) The successful Tenderer whose tender is accepted shall make formal agreement in WBF 2911 (ii) along with bid documents in triplicate, within 7 (seven) days from the date of issue of work order by Executive Engineer – I, New Town Kolkata Development Authority on payment of usual charges which is non-refundable under any circumstances and submit the same duly signed by him/them to this office. If the contractor fails to perform the formalities within the specified period the Tender is liable to be cancelled and the Earnest Money will be forfeited as per relevant clauses under memorandum of WBF 2911(ii).
- 25) **Qualification criteria:**
The tender inviting and Accepting Authority will determine the eligibility of each bidder. The bidders shall have to meet all the minimum criteria as stipulated in relevant clauses of this NIeT.

The eligibility of a bidder will be ascertained on the basis of the document(s) submitted in support of the minimum criteria. 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 to take any penal action against him/them as may be deemed fit by the Tender Accepting Authority.

- 26) **No. price preference and other concession will be allowed as per order no 8648 – F(T) dated 12.10.2012.**
- 27) In case of any inadvertent typographical mistake in the specific price schedule of rates, the same will be treated to be so corrected as to confirm with the prevailing relevant schedule of rates and/or technically sanctioned estimate.
- 28) Intending tenderer should note that he will have to work simultaneously with other contractors already entrusted with other work or with contractors to be entrusted with other work in future in the same site. The contractor will have to work in close co-operation and harmony with all the contractors engaged in the project. Any claim for idle labour, for any reason whatsoever, will not be entertained under any circumstances.
- 29) NKDA will not be held responsible for making payment against any anticipated profit and/or compensation for any losses or price escalation whatsoever for the works as stated in the annexure of this NeIT. Rates should be quoted accordingly.
- 30) The address as furnished by the contractor shall be deemed as the postal address of this office. Any notice or instruction to be given to the contractor under the terms of contract shall be deemed to have been served if it has been delivered to his authorized agent (on the strength of authorization) or representative or sent by registered letter to his official address as furnished.
- 31) Arbitration clause of WBF 2911(ii) stands deleted, Settlement of disputes & arbitration shall be according to the ‘**Memorandum**’ for the modifications of clause relating to settlement of disputes under conditions of contract vide no. 8182-F(Y) dated: Kolkata, the 26th September, 2012 of Secretary to the Govt. of West Bengal, Finance Department, Audit Branch.
- 32) Any Corrigendum, notification in connection to this NIeT will be published in the official website of New Town Kolkata Development Authority (www.nkdamar.org) as well as <https://wbtenders.gov.in>. The applicants are requested to please follow the websites for such notifications, corrigendum etc.

**Executive Engineer–I
New Town Kolkata Development Authority**

Memo. No. 1540 /1(8)/ NKDA / Engg – 36 / 2010 (XIII) Date: 10/02/2023

Copy forwarded for information to:-

1. Chief Executive Officer, NKDA.
2. Chief Executive Officer, NKGSCCL.
3. Chief Engineer, NKDA.
4. Finance Office, NKDA.
5. Assistant Engineer - II, NKDA.
6. Sr. Accountant / Cashier, NKDA.
7. P.A to the Chairman, NKDA.
8. Office Notice Board. NKDA.
9. Official Website of NKDA. (www.nkdamar.org) & ([www.wbtenders.gov.in](https://wbtenders.gov.in))

**Executive Engineer-I,
New Town Kolkata Development Authority**

Technical Specification

Truck mounted garbage disposer Capacity : 14.0 Cum



Specification of Truck Mounted Garbage Disposer 14.00 Cu. m capacity

GARBAGE DISPOSER EQUIPMENT:

CONSTRUCTION:

General:

The rear loading garbage disposer shall be mounted on suitable 16 Ton GVW chassis. The garbage disposer shall comprise of three main parts.

1. The body and Ejection Barrier
2. The Hopper and compaction hydraulic unit at rear body.
3. The bin lifter Mechanism.

The packing system will comprise of two moving plates the packing plate and the sweeping plate. The packing plate will travel angular track, and at the end of the stroke, sweeping plate will be activated and clean the hopper, at the end of its travel, packing plate start it's reverse travel and start compressing the refuse into the body. It's called one complete cycle of compaction.

The tailgate shall be provided with a hydraulic bin lifter which shall be suitable to lift standard DIN containers of size 120, 240, 600 & 1100 ltrs. The entire compaction system shall be operated at designed speed with auto throttle.

1. The Body and Ejection Barrier:

A. The Body :

- With optimum volumetric capacity of 14 cu.m, the body is constructed from high tensile steel ST 52, “one piece” rolled side sheets reinforced by front and rear stiffeners, pressed integrated channels and ‘keel’ type floor. The Rear entry floor plate is constructed from Hardox 450.
- The Cylindrical appearance of Body shape not only gives improved aesthetics but increases body capacity by 1-1.5 Cu.m per body size.
- Body manufactured from one piece rolled and pressed steel sides that extend body life and also increase the efficiency of the entire body concept and provide ready space for signage.
- The Keel shaped Body floor, fitted with under – floor sump and floor channels ensure 100% of leachate collection in the floor sump at the front of the body. It also ensures clean discharge of solid waste.

B. Tailgate:

- Optimized 2.4 m³ swept volume capacity, resulting in fewer packing cycles giving high rate of packing garbage and also gives benefits of reduced wear, minimize fuel consumption, time & noise
- Full 1.9 m uncluttered loading width facilitates to accommodate bulky material to be packed.
- Low rake rail height of 1.05m facilitate for manual loading and versatile bin – lift mounting
- Tail gate sides are made up of high tensile abrasive resistant Hardox 450 steel and formed with integrated guide channel to guide the packing mechanism.
- Integral full height body / Hopper seal fitted to prevent liquid leakage from bottom edge and Hopper sides.
- Reduced overhang for improved weight distribution and maneuverability. Rear overhang shall be within the RTO norms i.e. 60% of the wheel base of the chassis.

C. Packing Mechanism:

- Proven two plate fabricated packer / sweeper design. Manufactured out of high tensile abrasive resistance Hardox 450 steel.
- Packing mechanism slides in integrated side channels and provided with low friction selflubricating Ertalon LFX guides.
- Heavy duty and well corresponding hydraulic cylinders ensure the efficient sweeping and packing cycle, within a nominal cycle time of 23 seconds.
- We provide 3 stage compaction enabling better compaction ratio

D. Refuse Ejection Barrier:

- Ejector Barrier plate is manufactured from high tensile abrasion resistant Hardox 450 steel and formed in such a shape gives smooth and unobstructed discharge of garbage.
- Heavy duty Ertalon LFX self lubricated guides allow the barrier to move smoothly along the rail, provided within the body.
- Multi – staged double acting telescopic hydraulic cylinder and its geometrical mounting gives efficient ejection and retraction travels, without any side load on sliding guides.

E. Hydraulic System:

- PTO Mounted Closed Coupled standard Gear pump delivers 82 LPM at 1000 RPM
- Body mounted Oil Tank which optimizes the mounting space, equipped with Return Line Filter, Breather, level indicator and shut-off Valve.
- Full flow 10 micron return line filter controls contaminant levels.
- Engine speed is maintained by electro-pneumatic throttle control system automatically, when hydraulic power consumption increases.
- Electro – pneumatic operated spool valves control all system functions separately, with inbuilt dump valve for retraction process.
- Automatically adjusted high and low pressure system, gives efficient and smooth working of the system and protect the system from over stress and obtain better fuel efficiency.
- Inverted fitment of Sweeping Cylinder with spherical bearings, protect the piston rod from direct contact of acidic waste/garbage.
- Heavy duty inverted packing Cylinders mounted outside the hopper, gives more clearance in Hopper loading area and protects the piston rod from direct contact of acidic waste/garbage.
- Roof mounted Hopper / Tail gate lift Cylinders, get well protected from accidental damage. Double check valve gives extra safety in case of hose failures.

F. Electrical System:

- Fully integrated logical system and printed circuit board located on the body in a IP66 weatherproof panel.

G. Hydraulic Cylinder:

- Heavy duty double acting inverted sweeping cylinders fitted with maintenance free spherical bearings – 2 nos.
- Heavy duty double acting inverted packing cylinder mounted outside the hopper, clear of the loading area – 2 nos.
- Roof mounted heavy duty double acting hopper lift cylinder – 2 nos.
- Heavy duty double acting cylinders for bin lifting – 2 nos
- Heavy duty multi stage double acting telescopic cylinder for ejection plate - 1 no.
- Maximum no. of cylinders is 09 nos. (Double acting)

BIN LIFTER:

- The Bin lifter will be made from light weight conventional steel structural framework.
- Bolt on connection with tail gate and has a relatively short rear overhang
- Reduced effective rear axle load, delivering significant payload advantage
- The bin lifter shall be suitable to lift the standard DIN containers of size 120, 240, 600 & 1100 Ltrs. (120 Ltrs & 240 Ltrs. of HDPE & 1100 Ltrs of Steel)
- The length of bin lifter shall be minimum 1.40 meter
- Two double acting hydraulic cylinders (one on each side) shall be provided for lifting the bins.
- Bin lifter arms shall be supplied with DIN arms
- A safety valve shall be provided to avoid sudden descent of bin lifter in case of failure of hydraulic pressure.

OTHER EXTRA FITMENTS:

- a) Two Footsteps will be provided one each on left and right side at the rear & two hand bars one on each side at the rear side shall be provided for the equipment operators to stand and travel when the vehicle is moving.
- b) One large flashing light will be provided in the front in the centre at the highest point so as to be seen clearly
- c) Two emergency stop switches will be provided on either side of the body to instantly stop the operation in case of emergency.
- d) A level indicator will be provided to indicate hydraulic oil level in the tank
- e) The Vehicle will be provided with reverse horn so that it gives the indication at the time of reversing.
- f) Arrangement will be provided to get an indication as soon as the garbage contained reached its maximum. Arrangement shall also be provided to stop the operating cycle as soon as the vehicle is full.

MATERIAL FOR BODY:

Sr. No	Description	Specification
1	Material	High Strength Steel, Yield Strength 340 N/Sq. mm – ST52
2	Roof Paneling	4 MM
3	Side Paneling	4 MM
4	Floor Thickness	5 MM
5	Rear Cross Bar Thickness	75 x 40 x6 MM

MATERIAL FOR TAILGATE:

Sr. No	Description	Specification
1	Material	Special High Strength steel Min Yield 1200 N/Sq.mm – Hardox 450
2	Side Paneling Thickness	7 mm
3	Rear Side Hopper Plate Thickness	7 mm
4	Hopper Bottom	7 mm
5	Superstructure member thickness	6 mm

EJECTOR SYSTEM:

Sr. No	Description	Specification
1	Ejector Plate Materials	High Strength Steel, Yield Strength 340 N/Sq. mm – ST 52 with bottom portion from special high strength steel of min. yield 1200N / Sq.mm – Hardox 450
2	Pads	Etalon LFX Bearing

The tender shall provide material Test Certificate at the time of fabrication / inspection.

HYDRAULIC SYSTEMS:

Sr. No	Description	Specification
01	P.T.O	Preferably Vehicle Manufacturers
02	Hydraulic pump pressure	Min. 170kg per CM Square
03	Packer plate Hyd Cylinder stroke	548 mm
04	Packer plate Hyd Cylinder Internal Diameter	100 diameter
05	Tailgate Hyd Cylinder Internal Diameter	70 diameter
06	Tailgate Hyd. Cylinder stroke	726 mm
07	Bin lifter Cylinder internal diameter	80
08	Bin lifter Cylinder stroke	250 mm
09	Carrier plate Cylinder internal diameter	110
10	Carrier Plate Cylinder stroke	670
11	Ejector Cylinder	Telescopic type
12	Ejector Cylinder No. of stages	04
13	Ejector Cylinder internal diameter	140
14	Ejector Cy. stroke	3455
15	Hydraulic Cylinder	Hyva / Wipro / Dantal Make
16	Hyd. Valve	Dual flow Vane pump
17	Oil Capacity	125 Litres
18	Size of suction filter	140 microns
19	Size return line filter	10 microns
20	Size of Ejector Plate	920 x 1740 x 2000
21	Cycle duration for Bin lifter	25 Seconds
22	Duration of Ejection	28 Seconds
23	Pump and PTO mounting	Directly coupled without any intermediate shaft

The above equipment shall be mounted on client supplied chassis with PTO like TATA / ASHOK Leyland / Eicher or equivalent of 16 Ton GVW and 4200mm wheel base. Bidder shall furnish full details of vehicle chassis. Bidder shall also make arrangements to procure the vehicle with cabin from the manufacturer. The client will make direct payment to the chassis manufacturer/their dealer against their proforma invoice to avail Govt. rates. The standard tools accessories and spares supplied with the chassis shall be handed over to the client at the time of delivery of the unit.

The Bidder shall make arrangements for mounting equipment on the chassis according to the rules laid down by the Regional Transport Office, and loads recommended by the chassis manufacturer on the front and rear axles. The Client shall make arrangements for registration of the complete unit with the Regional Transport Office. The Government fees required for registration of the units shall be paid by the client.