



**Government of West Bengal**  
**Irrigation & Waterways Directorate**  
**Office of the Executive Engineer**  
**Metropolitan Drainage Mechanical Division**  
**Jalasampad Bhawan (4<sup>th</sup> floor), Salt Lake City, Kolkata-91**  
**Email Id: [mdmdiwd@gmail.com](mailto:mdmdiwd@gmail.com)**

**E.O.I. No- WBIW/EE/MDMD/e-EOI-10/2024-25**

Memo No. 302/1T-1

Date: 18.02.2025

**Expression of Interests for budgetary quotation**

**1. Basic Information:**

a) Off line/online Expression of Interests (Eoi) is being invited from eligible Indian Firms or Companies by the Executive Engineer, Metropolitan Drainage Mechanical Division, Irrigation & Waterways Directorate on behalf of the Governor of West Bengal for obtaining **budgetary quotes for preparation of a Detailed Project Report** for execution of the following project:

Name of the project: **"Supply, delivery, storing at site, installation, testing & commissioning along with operation and comprehensive maintenance for 05(five) years of floating Trash skimmer machine or suitable similar machine for cutting and removal of all floating municipal garbage, water-hyacinth, weeds from flowing waterways and open channels under Irrigation & Waterways Department, Govt. of West Bengal"**.

b) Intending bidders desirous of participating in this EOI are required to visit the website of the Irrigation & Waterways Department, Government of West Bengal <http://www.wbiwd.gov.in> and <https://wbtenders.gov.in> to locate the EOI.

c) Bidders/Agencies eligible for participating in the EOI are there after requested to download this Eoi document from the above website and submit their proposals in two separate folders (Technical & Financial Proposal) either through e-mail at "[mdmdiwd@rediffmail.com](mailto:mdmdiwd@rediffmail.com)" or physically in a sealed envelope addressed to the "O/O of the Executive Engineer, Metropolitan Drainage Mechanical Division, 4<sup>th</sup> Floor, Jalasampad Bhawan, Irrigation & Waterways Directorate, Government of West Benga, Kolkata-91" at his office at 4th Floor of Jalasampad Bhawan, Block DF, Bidhannagar, Pin700091, by dropping in the designated Tender-box, containing two separate inner envelopes, one marked as "Technical Proposal" and the other marked as "Financial Proposal", within the due date and time mentioned below:

**Last date & time of submission of bid physically as well as through e-mail is on 17.03.2025 till 17.00 Hours (IST).**

d) At any time prior to the last date for receipt of bids, EOI inviting authority may, for any reason, whether at its own initiative or in response to a clarification requested by a prospective Bidder,

modify the EOI document by issuing a corrigendum.

e) The corrigendum (if any) & clarifications to the queries from all Bidders will be posted on the <[wbtenders.gov.in](http://wbtenders.gov.in)> & <[www.wbiwd.gov.in](http://www.wbiwd.gov.in)>

f) Any such corrigendum shall be deemed to be incorporated into this EOI.

g) **No processing fee or bid security (EMD) is required for submission of the bid.**

## 2. **Scope of Work:**

- a) Supply, delivery, storing at site, installation, testing & commissioning along with operation and comprehensive maintenance for 05(five) years of floating Trash skimmer machine for cutting and removal of all floating municipal garbage, water-hyacinth, weeds from flowing waterways and open channels under Irrigation & Waterways Department, Govt. of West Bengal
  - i) One trash skimmer or similar suitable machine with complete accessories and attachment for cutting and removal of all floating municipal-garbage-water-hyacinth-weeds from flowing open channels
- b) AMC for Comprehensive operation and maintenance (O & M) for 5 (five) years of the trash skimmer machine. Cost of AMC Including cost of O & M with fuel(diesel), lubricant (POL) as per daily requirement & man power for operation (ESI & EPF as applicable as per prevailing norms) and all Machinery Cost needed for Loading & Unloading of machine (Floating Trash skimmer machine) for Shifting of machine from one place to another Place. AMC should cover the maintenance of complete machine including all accessories, attachments, supply of all necessary spares and materials as needed for maintenance including service personnel to keep the machine in operating condition round the year as per direction of E.I.C. The machine/ equipment shall be operated 8 hours per day.

## 3. **Project background:**

The Intercepting Channel and Tollygunge-Panchannagram Canal are two vital open drainages channel systems of Kolkata off-taking at Garfa near Santoshpur and flows through the areas of Garfa, Jadavpur, Santoshpur, Rajdanga, Anandapur, Kasba, Topsia, Madurdaha, Tiljala and Chowbhaga. Intercepting Channel system ultimately leads to New Chowbhaga Pumping Station Complex to feed the pumping station (1<sup>st</sup>, 2<sup>nd</sup> & 3<sup>rd</sup> Additional pumping stations). A numbers of lead channels joins the Intercepting channel and shares portions of the discharge from Tollygunge-Panchannagram Canal system. The Tollygunge-Panchannagram Canal system carries the drainage discharge to Old Chowbhaga Pumping Station. Successful implementation of the project requires keeping all these drainage channels free from water hyacinth, weeds, floating debris, municipal garbage etc, so that the pumping stations function efficiently.



**Annexure for Machine :**

(Note: All the details for Machines & equipment must be submitted separately along with EOI document as listed below)

- 1) Manufacturer of machines :
- 2) Model of the machine :
- 3) Country of origin :
- 4) Country of manufacturing :
- 5) Detailed Technical Specification with dimension : Enclose brochure
- 6) List of accessories and attachment for the machine
- 7) List of special tools and tackles required for maintenance of machine. All such tools and tackles must be available at work site for periodical and break down maintenance purpose as and when required
- 8) Detailed methodology of work proposed : Describe in elaborate
- 9) Method of transportation of machine from one site to other site
- 10) Method of lowering of machine from canal embankment to canal bed i.e. In operational floating condition
- 11) Method of lifting from canal bed in floating condition to the embankment
- 12) Mention whether all mandatory and required spare parts of machines are readily available in Kolkata/India. All spares parts should be readily available at site for preventive maintenance of machine. For, break down maintenance required spare parts should be made available at site and repair work should be completed within two days from date & time of notice.
- 13) OEM Service Centre details in India, preferably in Kolkata to be mentioned
- 14) List of Dealer for spare parts of machine in Kolkata/ India
- 15) Whether Spare part catalogue is available for the machine, enclose PDF copy separately.
- 16) Whether service & operational manual available for the machine, enclose PDF copy separately.
- 17) Enclose periodical maintenance schedule
- 18) Mention the special type of maintenance if any which cannot be carried out at work site
- 19) In case of requirement of work shop for any break down maintenance or special type of maintenance, the whole expenditure including dismantling, loading unloading, fitting fixing after maintenance etc to be arranged by the agency
- 20) Enclose pics/ video of actual work in canal network system of Machine in any Govt. Of India / State Govt Sector/ Municipalities in India

- 21) Enclose work order and completion certificate for supply and operation of same machine in any Govt of India / State Govt / Municipal work in India during last five years.
- 22) Demonstration of working of machine at actual worksite to be essentially provided by the participating bidders. This is to be ensured during EOI process.
- 23) Compatibility of machine with minimum/ maximum canal section to be ensured

#### 4. General:

The trash skimmer machine shall be capable to remove floating waste & weeds from river, canals etc along with their disposal on shoreline/canal bank at suitable place through conveyer system or any mechanism. Bidder has to submit detailed technical specifications and drawing etc for the machine model quoted by them.

Only those Models will be considered for evaluation, which are in accordance with Indian / International norms (as per prevailing norms in India for such machine). The necessary approval certificates should be attached with EOI document.

#### 5. Pre-Qualification Credential for participating in the EOI:

- i) The Bidder should be registered Firm/Company of anywhere in India.
- ii) Average of annual turnover of last 3 years should not be less than Rs 1.5 crore
- iii) The bidder should have completed work of similar nature in any Govt. sector in India during last five years.

#### 6. Bid to be submitted:

The contents of the bids to be submitted by the eligible bidders in this Eoi should be as per following:

(a) The interested bidders should submit with its bid as its '**Technical Proposal**' the following:

- (i) Valid PAN Card in the name of eligible Indian Firms or Companies.
- (ii) Valid GSTIN under GST Act & Rules.
- (iii) Company profile document of the registered Firm/Company in India.
- (iv) Registration document of eligible registered Firm/Company in India.
- (v) Average of Annual turnover Statement of last three financial years authenticated by the Agency's authorized Signatory.
- (vi) Previous credentials of one completed Procurement/Supply/Works contract of similar nature in any Govt. sector in India during last five years.

(The Evaluation Committee may relax some of the PQ credentials to attract more participation)

(b) The interested bidders have to submit with its bid as its '**Financial Proposal**' comprising:

- (i) Work methodology proposed

- (ii) Detailed scope of work proposed
- (iii) Detailed specifications of all machineries & Tools & Plants
- (iv) Detailed cost estimate with break ups.
- (v) Sundries inclusive of all applicable taxes in order to arrive at an estimated value of the Project in entirety

The proposal should include the following details without which the same might be rejected by the Bid Evaluation Committee. (HTEC)

- (i) Specification of all machineries, dimensions of the machines, maneuvering area required for each of the machines, area of floating surface hyacinth, organic-inorganic municipal wastes that can be removed by the machine per day, working hour per day, minimum water draft required for its functioning, minimum width of canal, mandatory maintenance period etc.
- (ii) Mode of transport required to bring the machine at site. Minimum vertical clearance required for floating of the machine, if required.
- (iii) Proposed work methodology in the channel and at its edges based on actual and designed channel profiles.
- (iv) The locations by the side of channel bank for stacking of floating matter collected for further disposal would be as per actual availability within the working stretch nearby the channel.
- (v) Probable time for completion of the principal component of work within a radius of 1 km.
- (vi) Any other issues considered as relevant by the Bidder.
- (vii) There are other various drainage channels in and around Kolkata. So, it may so happen that at times these machineries may have to be redeployed in those drainage channels. Transportation of the machinery within a radius of 20 Km area for redeployment in a new channel for similar job has to be done by the agency.

**NOTE:** Modifications of above nomenclature of items of activities may be done as per technology & methodology, specification of machinery etc.

#### **7.A Pre Bid Meeting:**

Pre-Bid meeting will be held in the office chamber of the **Superintending Engineer, Mechanical & Electrical Circle, 6 th Floor ,Jalsampad Bhawan, Salt Lake City ,Kolkata-91 (both offline and online) with the prospective Bidders on 27.02.2025 at 14:00 Hrs.** The Bidders will ensure that their queries with regard to the EOI, to be addressed to the EOI issuing Authority before the Pre-Bid meeting and shall reach by post or email on or before **<27.02.2025 at 14:00 Hrs >** to the officer whose details are provided below :

**O/O the Executive Engineer  
Metropolitan Drainage Mechanical Division  
Jalasampad Bhawan (4<sup>th</sup> floor), Salt Lake City, Kolkata-91  
Email Id: [mdmdiwd@gmail.com](mailto:mdmdiwd@gmail.com)  
Mobile No- 9564926474**



7.B Bidders should clarify the following points in details as listed below:-

1. **All Participants should visit the sites and prepare a PPT for presentation considering all the obstacles as per the site situation of Calcutta Drainage system.**
2. How to install the machine at various locations including transportation of the machine as well as installation in the water at canal.
3. How to tackle the various obstacles of bridges, barriers over the drainage channel regarding shifting of the machine.
4. How to tackle the encroachment problem for disposal of all type of trash/garbage's as well as installation of machine at various locations.
5. Details methodology of work proposed.
6. The security aspect of the machine also has to be considered during execution of work at various sites at different locations.
7. **All Participants should prepare a comparative Benefit Cost analysis for the machine proposed as compared to the present procedure followed by I&W Dpt.**

8. Schedule of dates:

Following are the key dates:

SI No.	Activity	Date & Time	Remarks
1.	Publishing Date	18.02.2025 at 17:00 hours	
2.	Pre- Bid Meeting	27.02.2025 at 14.00 hours	Bid submission & opening would be held at the office chamber of Executive Engineer, Metropolitan Drainage Mechanical Division at 4th Floor of Jalasampad Bhavan, Salt Lake, Kolkata-700091
3.	Eol submission end date	17.03.2025 upto 17.00 hours	
4.	Eol opening date	18.03.2025 at 16.00 hours.	

9. Bid Evaluation:

- (a) The bids obtained from the Eol would be evaluated by the Departmental High value Bid Evaluation Committee (HTEC) comprising i) Superintending Engineer Mechanical & Electrical Circle as convener-cum-member, ii) two other Superintending Engineers as per High Value Tender Evaluation Committee order as Members, iii) Executive Engineer, Metropolitan Drainage Mechanical Division as Member. The senior most Superintending Engineer will function as the Chairman of the HTEC. The findings of the Eol would be used for derivation of

rates in finalization of Detailed Project Report based on which online tender would be invited subsequently after getting approval from the competent authorities.

- (b) The above-mentioned Detailed Project Report prepared from the rates and technology containing item wise BoQ, technical specification of machineries, working methodology etc obtained from this EoI shall be used for deriving the item wise rate analysis. This however may be scrutinized at various other levels in the Department and the competent Government (Finance Department) and the selected bid may be further subjected to internal scrutiny and evaluation prior to final acceptance or rejection.

TBA  
18/02/25

Executive Engineer

Metropolitan Drainage Mechanical Division

Irrigation & Waterways Directorate

Memo No: - 302/1(4) /1T-1

Date: 18.02.2025

Copy forwarded for information with a request to arrange for publicity in office Notice Boards under his jurisdiction: -

1. The Chief Engineer (M&E), 2<sup>nd</sup> Floor, Jalsampad Bhavan, I&W Directorate
2. The Chief Engineer (South), 1<sup>st</sup> Floor. Jalsampad Bhavan, I&W Directorate
3. The Superintending Engineer, Mechanical & Electrical Circle, 6<sup>th</sup> Floor Jalsampad Bhavan, I&W Directorate
4. The Superintending Engineer, Metropolitan Drainage Circle, 2<sup>nd</sup> Floor, Jalsampad Bhavan, I&W Directorate

TBA  
18/02/25

Executive Engineer

Metropolitan Drainage Mechanical Division

Irrigation & Waterways Directorate

**BOQ FOR BUDGETARY QUOTES (EOI NO.WBIW/EE/MDMD/e-EOI-10/2024-25)**

Name of the Work: "Supply, delivery, storing at site, installation, testing & commissioning along with operation and comprehensive maintenance for 05(five) years of floating Trash skimmer or suitable similar machine for cutting and removal of all floating municipal garbage, water-hyacinth, weeds from flowing waterways and open channels under Irrigation & Waterways Department, Govt of West Bengal"

Sl. No	Description of work	Qnty.	Unit	Description of item/work proposed by the bidder (for budget quotes) ( See Note)	Quantity (for budget quotes)	Unit (for budget quotes)	Rate (Rs.) (budget quotes) (Excluding GST)	Percentage of GST applicable
	<b>PART-A</b>							
1	Supply, delivery, storing at site, installation, testing & commissioning along with operation and comprehensive maintenance for 05(five) years of floating Trash skimmer or similar suitable machine for cutting and removal of all floating municipal garbage, water-hyacinth, weeds from flowing waterways and open channels under Irrigation & Waterways Department, Govt of West Bengal							
1.1	One trash skimmer or similar suitable machine with complete accessories and attachment for cutting and removal of all floating municipal-garbage-water-hyacinth-weeds from flowing open channels ( Submit all document as mentioned in the Note at the end of this schedule)	1	no					
1.2	<b>AMC for Comprehensive operation and maintenance (O &amp; M) for 5 (five) years</b> of the trash skimmer or similar suitable machine. Cost of AMC Including cost of man power for operation & supervision, machine security at site (ESI & EPF as applicable as per prevailing norms) and all man & machinery Cost needed for Loading & Unloading of machine (Floating Trash skimmer or similar machine ) for Shifting of machine from one site to another site. AMC should cover the maintenance of complete machine including all accessories, attachments, supply of all necessary spares and materials as needed for maintenance including service personnel to keep the machine in operating condition round the year as per direction of E.I.C. The machine/ equipment shall be operated 8 hours per day. <b>(Fuel cost excluded for this item)</b>							







	23. Demonstration of working of machine at actual worksite to be essentially provided by the participating bidders. This is to be ensured before concerned Prebid meeting									
	24. Compatibility of machine with minimum/ maximum canal section to be ensured.									
	PART-B									
2	Hire charges of suitable machine (including all charges for manpower, operation, fuel, security, loading, unloading, launching for work, shifting, transportation or other incidental charges etc ) such as trash skimmer/amphibian excavator/ drain-master/ excavator/ floating robotic boat or similar machine to be deployed at drainage channel for cleaning and removal of water hyacinth including weeds, thick and thorny floating jungles, other debris including floating debris, sludge and slush mixed with all sorts of industrial waste, solid/semi- solid compact mass formed due to water hyacinth in combination with industrial wastes, carcasses, municipal garbage sludge, polybags, plastics, gunny bags, thick and thorny jungles and long grass etc and depositing, stacking, spreading the same on the canal bank or a suitable nearby location and disposal of same as directed by Engineer-in-charge (including all leads and lifts complete)	1	sqm							
	(Note: Details of proposed machine to be used must be submitted with the EOI document for this item)									

TP 18/02/25

Executive Engineer  
Metropolitan Drainage Mechanical Division