



Government of West Bengal
Irrigation & Waterways Directorate
Office of the Superintending Engineer: Metropolitan Drainage Circle
Jalasampad Bhawan [2nd floor] : Salt Lake : Kolkata -700091
Phone/Fax No. - 033-23343916 / 033-23343960. *e-mailID:-semdciwd@gmail.com*

E.O.I No. 01 of SE /MDC/ 2022-2023

Memo No. IW/IT-5/458

Date: 01.04.2022

Expression of Interests (EOI)

Basic Information

Off-line Expression of Interests (Eol) is being invited from eligible Indian Firms or Companies by the Superintending Engineer of Metropolitan Drainage Circle, 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/work:

Name of the project/ work: **Clearance removal and stacking of all types of floating wastes and solid/semi-solid silt to maintain a designed channel profile and subsequent maintenance for the next five years of the (1) Intercepting Channel & its branch channels on the upstream of New Chowbhaga Pump House and (2) Tollygunge-Panchannagram Main canal & its branch channels on the upstream of Old Chowbhaga Pump House, located within Kolkata Municipal Corporation area of West Bengal under Core SDS budget of I&W Department, GoWB.**

- 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> to locate the EOI by entering the Eol No. given above and scrolling the "e-Tender" link.
- Bidders/Agencies eligible for participating in the EOI are there after requested to download this Eol document from the above website and submit their proposals in two separate folders (Technical & Financial Proposal) either through e-mail at "semdciwd@gmail.com" or physically in a sealed envelope addressed to the "Superintending Engineer, Metropolitan Drainage Circle, Irrigation & Waterways Directorate, Government of West Bengal" at his office at 2nd. Floor of Jalasampad Bhavan, 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 22.04.2022 till 15.00 Hours (IST).

- No processing fee or bid security (EMD) is required for submission of the bid.
- Project background
The Intercepting Channel and Tollygunge-Panchannagram Canal are two vital open drainage 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 (1st, 2nd & 3rd Additional pumping stations). A numbers of lead channels joins the Intercepting channel and share 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, accumulated silt etc. so that the pumping stations function efficiently. A layout map of drainage channels adjacent to the pumping stations is shown in **Annexure-I** and technical parameter of channels is shown in **Annexure II**.

6. Pre-Qualification Credential for participating in the EoI:

- I. The Bidder should be registered Firm/Company/Authorised Dealer of any where 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 seven years.

7. 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 bidders should have the following and submit with its bid as its '**Technical Proposal**' comprising:

- I. Valid PAN Card in the name of the Bidder/Contractor/Agency.
- II. Valid GSTIN under GST Act & Rules.
- III. Company profile.
- IV. Registration document in India (RoC/Partnership Deed etc/Registered Agreement)
- V. Average of Annual turnover Statement of last three financial years authenticated by the Agency's authorized Signatory.
- VI. Previous Work credentials of one 100% completed work of similar nature in Govt. sector in India during last seven years.

(Above requirements are only to eliminate unwanted ineligible participants, and the Evaluation Committee may relax some of the PQ credentials to attract more participation)

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

- (i) Working methodology proposed
- (ii) Detailed scope of work with projection of time-based output
- (iii) Detailed specifications of all machineries & Tools & Plants
- (iv) Detailed cost estimate with break ups:
 - (a) Most competitive market rate for Hire charges of all machineries and accessories, each separately with all taxes
 - (b) Operational Labour components and T& P separately for each machine
 - (c) AMC for 5 years with individual year wise break ups

- (v) All Sundries inclusive of all applicable taxes in order to arrive at an estimated value of the work in entirety.

A probable nomenclature of the items of work of the project for which the sub-component wise details are being sought is tabulated below:

Sl no	Items of work	Sub component wise most competitive market Rate Quoted in Rs (without tax)	Corresponding Sub-component wise taxes	Consolidated Rate inclusive of taxes to be quoted in Rupees
1	<p>Clearance and removal of all types of solid-semi solid materials, silt upto designed channel profiles, water hyacinth-weeds all other floating organic & inorganic wastes from flowing open channels by maneuvering within 1 km waterway distance by lifting/collecting removing to stack at Govt. identified vacant land(s) by the side of these channels as per direction of the Engineer-in-charge by adopting appropriate technology and methodology best suited for these channels. Such machine or a combination of machines like a Aquatic Amphibious municipal garbage/water hyacinth shredder/harvester or other similar machine, suitable machinery for pushing silt, suitable pontoon mounted excavator, suitable crane with grabs etc including all cost for their mobilization inside or outside of Chowbhaga pumping station, machinery with accessories hire charges, T&P, PoL, operators charges, guards & mechanics running maintenance costs including all other incidental charges required for keeping the aforesaid channels completely free from all kind of floating matter and accumulated silt etc for a continuous period of 05(five) years.</p> <p>The above proposal consists of the following:</p> <p>(i) Detailed scope of work with a performance-based projection of time-based output</p> <p>(ii) Technical specifications individually of all machineries &</p>	<p>Individual sub-component wise breakup (i, ii, iii, iv) cost in Rupees per Cubic Metre of water hyacinth-weeds-floating debris-municipal garbage, accumulated silt etc to be quoted</p>	<p>Tax on Rate</p>	<p>Consolidated Rate (i+ii+iii+iv) cost in Rupees per Cubic Metre</p>

	<p>accessories and number of the machineries to be deployed</p> <p>(iii) Working methodology proposed</p> <p>(iv) Detailed break ups of the cost estimate with:</p> <p>(a) Hire charges of all machineries with their accessories, each separately</p> <p>(b) Operational Labour components and T& P separately for each machine</p> <p>(c) AMC for 5 years with individual year wise break ups</p> <p>(d) Sundries</p> <p>(Stacks to be measured in volumes, 24 hours after their collection at canal bank land having height of each stack not more than 1 metre)</p>			
2	<p>Cost of transportation of all the machines and ancillary parts under Item no. 1 within a radius of 20 Km distance for re-deployment in same channel or any other similar drainage channel to be decided by the EIC</p> <p>(i) By Shortest Road distance</p> <p>(ii) By Shortest waterway distance</p> <p>(iii) Dismantling and re-assembly with mobilization cost per activity for each</p>	<p>Individual sub-component wise breakup Rates per Km (without tax)</p> <p>(i)</p> <p>(ii)</p> <p>(iii)</p>	<p>Sub-component wise taxes</p>	<p>Rate inclusive of taxes to be offered in Rupees</p>

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

-) 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-silt 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.
-) Mode of transport required to bring the machine at site. Minimum vertical clearance required for floating of the machine, if required.

-) Proposed work methodology in the channel and at its edges based on actual and designed channel profiles.
-) Combination of activities proposed to keep the entire drainage channel per km basis, clean round the year.
-) The locations by the side of channel bank for stacking of floating matter collected and accumulated silt further disposal would be as per actual availability within the working stretch nearby the channel.
-) Probable time for completion of the principal component of work within a radius of 1 km.
-) Any other issues considered as relevant by the Bidder.
-) All taxes (both Central & State including import charges if any) to be mentioned and included
-) 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 all 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.

8. **Pre Bid Meeting:**

Pre-Bid meeting will be held in the office chamber of the EOI Inviting Authority as per Schedule in next para in order to acclimatize the prospective bidders through an interactive open session at Jalsampad Bhawan Office of the Superintending Engineer, Metropolitan Drainage Circle, replying to their queries, and clear doubts in connection with the work/s, if any. Site inspections may be finalized during pre-bid meeting.

9. **Schedule of dates:**

Following are the key dates:

SI No.	Activity	Date & Time	Remarks
1.	Publishing Date	01.04.2022at 11:00 hours	
2.	Pre- Bid Meeting	08.04.2022 at 14.00 hours	Pre-bid meeting,bid submission & opening would be held at the office chamber at 2nd Floor of Jalsampad Bhavan, Salt Lake City, Kolkata-700091. Intending participants in Prebid meeting may be provided with virtual meeting ID
3.	Eol submission end date	22.04.2022upto 15.00 hours	
4.	Eol opening date	22.04.2022 at 16.00 hours.	

10. **Bid Evaluation:**

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

-Sd-

Superintending Engineer
Metropolitan Drainage Circle
Irrigation & Waterways Directorate

Memo No:- **IW/IT-5/458/1(8)**

Date: **01.04.2022**

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

1. The Chief Engineer (South), Irrigation & Waterways Directorate,
2. The Chief Engineer (Mech), Public Works Directorate
3. The Chief Engineer (M&E), I&W Directorate
4. The Chief Engineer, Municipal Engineering Directorate
5. The Chief Engineer (HQ), Public Works Directorate
6. The Chief Engineer, Kolkata Municipal Corporation
7. The Chief Engineer, KMDA
8. The Superintending Engineer, Metropolitan Drainage Circle, I & W Directorate,

-Sd-

Superintending Engineer
Metropolitan Drainage Circle
Irrigation & Waterways Directorate

ANNEXURE-I



ANNEXURE-II		Technical data of Channels				
Sl. No.	Name of the Channel	Length of the Channel (KM)	Max. Bed Width (Meter)	Min. Bed Width (Meter)	Max. Top Width (Meter)	Min. Top Width (Meter)
1	T P Main Khal	6.740	14.25	3.50	32.00	10.00
2	a-A Branch Channel	0.710	3.65	1.75	8.00	6.00
3	b-A2 Branch Channel	0.470	3.66	3.66	15.00	10.00
4	A0 – A1 Branch Channel	1.000	5.70	5.70	25.00	10.00
5	A5 – A6 Branch Channel	1.635	2.75	2.25	20.00	15.00
6	Guniagachi Branch Channel	3.300	4.88	4.38	13.10	4.50
7	Suti Khal	2.250	5.50	1.50	9.40	4.00
8	C2- C3 Khal	1.170	1.50	1.50	20.00	4.30
9	Intercepting Channel	4.525	19.00	7.20	25.00	17.50
10	DD1 West Branch Channel	1.221	3.30	3.30	20.00	15.00
11	EE1 West Branch Channel	0.940	7.80	6.20	20.00	15.00
12	EE1 East Branch Channel	0.822	3.30	3.30	20.00	15.00
13	EE1 Minor Channel	0.389	2.10	2.10	15.00	10.00