

श्यामा प्रसाद मुखर्जी पत्तन, कोलकाता
SYAMA PRASAD MOOKERJEE PORT, KOLKATA

हल्दिया गोदि परिसर
HALDIA DOCK COMPLEX

INVITATION FOR BUDGETARY OFFER

[BO No.: I&CF/SDM/RZ/BO/001]

**DESIGN, CONSTRUCTION, SUPPLY, TESTING, COMMISSIONING OF
WATER TREATMENT SYSTEM FOR IMPROVEMENT OF THE QUALITY OF
WATER SUPPLIED TO RESIDENTIAL ZONE AT HALDIA TOWNSHIP
UNDER HALDIA DOCK COMPLEX INCLUDING OPERATION AND
MAINTENANCE FOR A PERIOD OF 06 (SIX) YEARS.**



श्यामा प्रसाद मुखर्जी पोर्ट, कोलकाता
SYAMA PRASAD MOOKERJEE PORT, KOLKATA
Formerly Kolkata Port Trust

JUNE, 2024

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[Tender No.: I&CF/SDM/RZ/BO/001]

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1.0 NOTICE INVITING BUDGETARY OFFER

WORK TITLE: DESIGN, CONSTRUCTION, SUPPLY, TESTING, COMMISSIONING OF WATER TREATMENT SYSTEM FOR IMPROVEMENT OF THE QUALITY OF WATER SUPPLIED TO RESIDENTIAL ZONE AT HALDIA TOWNSHIP UNDER HALDIA DOCK COMPLEX INCLUDING OPERATION AND MAINTENANCE FOR A PERIOD OF 06 (SIX) YEARS.”

Applications for Budgetary Offers are invited from reliable, bonafide and experienced agency / service provider with required experience for “**DESIGN, CONSTRUCTION, SUPPLY, TESTING, COMMISSIONING OF WATER TREATMENT SYSTEM FOR IMPROVEMENT OF THE QUALITY OF WATER SUPPLIED TO RESIDENTIAL ZONE AT HALDIA TOWNSHIP UNDER HALDIA DOCK COMPLEX INCLUDING OPERATION AND MAINTENANCE FOR A PERIOD OF 06 (SIX) YEARS**” as per enclosed Terms & Conditions and Bill of Quantity. All other terms and conditions not specifically mentioned will be as per the stipulations of General Conditions of Contract of SMP, Kolkata.

a. Budgetary Offer No.	I&CF/SDM/RZ/BO/001
b. Contact Person	A.K. Roy, Sr. Dy. Manager (RZ & Spl RT), I&CF Division, Haldia Dock Complex, SMP, Kolkata
c. Address :	Sr. Dy. Manager (RZ & Spl RT) I&CF Division, Haldia Dock Complex Township Civil Maintenance Office Cluster – V, P.O. Haldia Township Haldia, Purba Medinipur – 721 607
d. Mobile no.	+91 94340 53658
e. E-mail Id :	akroy.hdc@kolkataporttrust.gov.in
f. Pre-application meeting & site inspection:	04.07.2024 at 11.00 hrs. at the Office of Sr. Dy. Manager (RZ & Spl RT), I&CF Division, Haldia Township, Haldia – 721 607, Haldia Dock Complex.
g. Last date of submission of Budgetary Offer application	23.07.2024

MODE OF SUBMISSION OF BUDGETARY OFFER:

All bidders are requested to take a printout of the documents available in the website and submit their Budgetary Offers application duly filled in physically or can be sent by speed post/ courier/ registered post/ messenger, etc. to the above address in accordance with the terms and conditions set out in the Budgetary Offer document.

Sd/-
Sr. Dy. Manager (RZ & Spl RT)
I&CF Division
Haldia Dock Complex
Syama Prasad Mookerjee Port, Kolkata

2.0 TERMS AND CONDITIONS

“DESIGN, CONSTRUCTION, SUPPLY, TESTING, COMMISSIONING OF WATER TREATMENT SYSTEM FOR IMPROVEMENT OF THE QUALITY OF WATER SUPPLIED TO RESIDENTIAL ZONE AT HALDIA TOWNSHIP UNDER HALDIA DOCK COMPLEX INCLUDING OPERATION AND MAINTENANCE FOR A PERIOD OF 06 (SIX) YEARS”

BUDGETARY OFFER NO.: I&CF/SDM/RZ/BO/001

2.1 BACKDROP

Presently, potable water is supplied to Cluster 4, 5 and 6 of HDC township through a combined system of existing Bore Well Pumps at Cluster 5 & 6 and existing underground water reservoir at Cluster 5 (water stored supplied by HDA). Water from the bore hole pumps is directly fed into the existing water distribution network, whereas, HDA supplied water primarily stored in the underground reservoir at cluster 5 and pumped to the existing pipeline network for distribution of water to Cluster 4, 5 and 6.

In order to improve the quality of potable water being used for domestic purposes, it has been envisaged by HDC management that suitable technique is required to implement, where the supplied water can be treated and fed to the existing water distribution pipeline network system without any further storage and intermediate pumping. If any backwash system is required for operation of the entire system, the suitable technology should be implemented as well as recycling of backwash water should also be installed to minimize the wastage of water.

2.2 SCOPE OF WORK / SERVICES

Haldia Dock Complex (HDC), under the Syama Prasad Mookerjee Port, Kolkata, invites Budgetary Offer applications from reputed companies for the work “DESIGN, CONSTRUCTION, SUPPLY, TESTING, COMMISSIONING OF WATER TREATMENT SYSTEM FOR IMPROVEMENT OF THE QUALITY OF WATER SUPPLIED TO RESIDENTIAL ZONE AT HALDIA TOWNSHIP UNDER HALDIA DOCK COMPLEX INCLUDING OPERATION AND MAINTENANCE FOR A PERIOD OF 06 (SIX) YEARS”.

The scope of work includes, but is not limited to the following:

Survey, design, supply and delivery of all the items pertaining to installation of suitable technique, where the supplied water can be treated and fed to the existing water distribution pipeline network system without any further storage and intermediate pumping. The contractor shall also be responsible for fixing, fitting, erection, installation, testing and successful commissioning of the systems all complete and as required for treatment of the raw water to transform the same into treated water (characteristics of both raw water and the desired treated water are mentioned in Point No. 2.3) considering the followings:

- Desired pressure of treated water at outlet of Water treatment system – Minimum 3.5 kg/cm²
- Existing bore hole Pump motor/ existing water distributing pump motor Capacity – 50 HP
- Diameter of the delivery pipe main line for distribution of water – 150 mm

The system pertaining to water treatment shall be inclusive of the following components from intake to connectivity with existing distribution pipeline system of Haldia Township which has been laid down herein after seriatim:

- a) Survey, preparation and submission of project report including design, drawing and budgetary offer of treatment process modules / units along with back wash water recycling system (in case back washing is required), scheme and layout of connecting the treated water system to the existing water distribution network of HDC Township area including all proposed valves and other accessories as required and obtaining final approval from E.I.C.
- b) Setting up of the Water treatment process along with associated electrical, mechanical & pipeline works ensuring outlet pressure of 3.5 kg/cm² (minimum) for successful distribution of the treated water throughout Cluster 4, 5 & 6 of HDC township area.
- c) Supplying laying, fitting, fixing of new pipelines as will be required for inter connecting various modules of the treatment process, and also for providing suitable bypass systems so that water can be delivered to the township through the existing pipeline in case of failure / during maintenance of the treatment process.
- d) Provisions for suitable standby systems should be kept so that the system remains functional and treated water can be distributed to the residents with minimum disruption in case of maintenance/ failure of one or some units of the treatment process.
- e) Necessary civil works for installation and successful commissioning of the water treatment system and associated installations (including back wash water recycling system, if required) viz. including design and constructions of foundations, drains, drain sumps, structures, sheds, supports of all types, platforms, drain channels, plants buildings, office buildings, testing laboratories, toilets, mass concreting of units, necessary plumbing, sewerage systems, boundary wall with fencing, gate, etc. (as required), all complete.
- f) Necessary electrical works for installation and successful commissioning of water treatment system and associated installations (including back wash water recycling system, if required), plants buildings, office buildings, testing laboratories, toilets, yards, fencing, etc. like supply of cables, all cabling network, earthing, illumination, cable trays, local push buttons, MCC, control panel, etc. (as required), all complete.
- g) Commissioning of water treatment system and associated installations after construction of the entire system (all complete) as per parameter laid down in Point No. 2.3.0.
- h) Comprehensive Operation and Maintenance of the Water Treatment system and associated installations including daily testing of the treated water for a period of 1 year i.e. defect liability period (from the date of successful commissioning of the system) including supply of consumables and manpower will be required for running the plants. No separate payment for replacement of defective spares will be made.
- i) Comprehensive Operation and Maintenance of the water treatment system and associated installations including supply of consumables, manpower and associated spares required for the operation for 5 years from the next date of completion of the defect liability period of 1 year after successful commissioning of the system along with daily testing of the treated outlet water.

2.3 RAW WATER AND TREATED WATER PARAMETERS

SI No	Parameters	Unit	Raw Water Parameters (Maximum)	Treated Water Output Parameters
1	Odour	-	-	Agreeable
2	Taste	-	-	Agreeable
3	pH	-	7.77	6.5-8.5
4	Turbidity	NTU	5.0	<5
5	Iron as Fe	mg/l	0.95	<0.3
6	Total Hardness as CaCO ₃	mg/l	564	<100
7	Total Dissolved Solid	mg/l	1716	Unchanged
8	Chloride as Cl	mg/l	665	Unchanged
9	Alkalinity as CaCO ₃	mg/l	302	<250

2.4 INVITATION OF BUDGETARY OFFER

Haldia Dock Complex, Syama Prasad Mookerjee Port, Kolkata invites the Budgetary Offer applications from eligible agencies have experiences in Design, Construction, Erection, Installation, Testing and Commissioning of Water Treatment Systems.

Interested agencies with required qualification and experience may submit their Budgetary Offer applications as per the prescribed format attached under Appendix I of this document, along with details and supporting documents as specified therein.

Haldia Dock Complex, Syama Prasad Mookerjee Port, Kolkata reserves the right to modify, cancel, suspend or terminate any aspect of the Budgetary Offer process at any time, for any reason, without giving prior notice and Haldia Dock Complex, Syama Prasad Mookerjee Port, Kolkata (including their officers, employees, consultants) will not be bound by this Budgetary Offer Notice.

2.5 ELIGIBILITY CRITERIA

Interested parties should have work experience in Design, Construction, Erection, Installation, Testing and Successful Commissioning of Water Treatment System in Port / Other Industries / Industrial Townships / Residential Townships / Residential Complex / Municipality / Corporation Area during last 7 years ending last day of month previous to the one in which applications are invited.

No Earnest Money is required for submission of Budgetary Offer application.

2.6 PRE APPLICATION MEETING AND SITE INSPECTION

Pre-application meeting will be held at 11.00 hrs. on 04.07.2024 at the Office of Sr. Dy. Manager (RZ & Spl RT), I&CF Division, Haldia Township, Haldia – 721 607, Haldia Dock Complex, where HDC will provide necessary clarifications to the queries of intending applicants on this call for Budgetary Offer. The pre-application meeting will be followed by inspection of the sites.

2.7 SUBMISSION OF BUDGETARY OFFER APPLICATION

Budgetary Offer application shall be submitted in the prescribed format as mentioned in the Bill of Quantities (BoQ) along with Appendix I to Appendix IV and other supporting documents as required. The Budgetary Offer application shall be super-scribed with "BUDGETARY OFFER FOR DESIGN, CONSTRUCTION, SUPPLY, TESTING, COMMISSIONING OF WATER TREATMENT SYSTEM FOR IMPROVEMENT OF THE QUALITY OF WATER SUPPLIED TO RESIDENTIAL ZONE AT HALDIA TOWNSHIP UNDER HALDIA DOCK COMPLEX INCLUDING OPERATION AND MAINTENANCE FOR A PERIOD OF 06 (SIX) YEARS".

The Budgetary Offer application has to be submitted in sealed cover in physical mode only, within the stated timeline to below appended address:

Sr. Dy. Manager (RZ & Spl RT)
I&CF Division, Haldia Dock Complex
Township Civil Maintenance Office
Cluster – V, P.O. Haldia Township
Haldia, Purba Medinipur – 721 607

2.8 COMPLETION PERIOD OF THE PROJECT

The work pertaining to construction of the Water treatment system is to be completed in all respects under the scope including commissioning of the Water treatment system within 18 (Eighteen) Months including preliminary time from the date of placement of work order.

The Bidder shall operate and maintain the Project for 01 year after successful commissioning of Water treatment system i.e. during the defect liability period. Defect liability period will start from the date of successful commissioning of the plant and during this period, charges of manpower and consumables only will be claimed from the client.

2.9 OPERATION AND MAINTENANCE PERIOD

Operation and Maintenance period of the entire system is 05 years after completion of 01 year defect liability period. During this period, cost of required spares, consumables and manpower will be claimed from the client.

2.10 VALIDITY

The offer made in the Budgetary Offer application shall remain valid for a period of 04 [Four] Months from the date of opening the same.

2.11 POWER SUPPLY

Required power supply may be arranged by the Trustees at the nearest existing supply point of the site of work on receipt of request letter from the Bidder to that effect. All necessary arrangements for the distribution at site will have to be made by the Bidder at his own cost as approved by the Trustees' Plant and Equipment Division.

During construction period charges for consumption of power shall be periodically recovered from the Bidder's Bill at the rates of WBSEB as prevalent amended from time to time along with departmental overhead of 19.25% including installation and hire charges for meters.

For operation and maintenance of the Water treatment system electricity may be supplied by HDC on free of cost (except offices and laboratories).

2.12 TAXES

The quoted rates should include all other Taxes excluding GST. GST as applicable shall be paid extra against proper invoice submitted by the successful contractor.

2.13 PRICE AND PRICE VARIATION

No escalation / variation on the prices on any account will be considered for adjustment / payment for construction as well as O&M periods.

3.0 BILL OF QUANTITIES

“DESIGN, CONSTRUCTION, SUPPLY, TESTING, COMMISSIONING OF WATER TREATMENT SYSTEM FOR IMPROVEMENT OF THE QUALITY OF WATER SUPPLIED TO RESIDENTIAL ZONE AT HALDIA TOWNSHIP UNDER HALDIA DOCK COMPLEX INCLUDING OPERATION AND MAINTENANCE FOR A PERIOD OF 06 (SIX) YEARS.”

Section A: SUPPLY, INSTALLATION AND COMMISSIONING OF WATER TREATMENT SYSTEM AT HALDIA TOWNSHIP, HALDIA, HDC

Sl. No.	Description of item	Qty	Unit (Rs.)	Rate (Rs.)	Amount (Rs.)
1 a	Supply, installation and commissioning of water treatment process and associated installations all complete and as directed.				
1 b	Necessary civil works for installation and successful commissioning of the Water treatment process and associated installations viz. including design and constructions of foundations, drains, drain sumps, structures, sheds, supports of all types, platforms, drain channels, plants buildings, office buildings, testing laboratories, toilets, mass concreting of units, necessary plumbing, sewerage systems, boundary wall with fencing, gate, etc. (as required), all complete and as directed.				
1c	Necessary electrical works for installation and successful commissioning of Water treatment process and associated installations viz. all cabling, earthing, illumination, supply of cables, cable trays, local push buttons, MCC, control panel, etc. (as required), all complete and as directed.				
	Total				

SECTION B: OPERATION AND MAINTENANCE (O&M) CONTRACT OF WATER TREATMENT SYSTEM AT HALDIA TOWNSHIP, HALDIA, HDC FOR A PERIOD OF 06 (SIX) YEARS.

SI No	Description of item	Qty	Unit (Rs.)	Rate (Rs.)	Amount (Rs.)
1	Operation and maintenance of water treatment process and associated installations (as mentioned above) during one (01) year defect liability period including required manpower, consumables, spares, etc. for uninterrupted treated water supply etc., all complete and as directed. 01 year defect liability period after successful commissioning of the above system.				
2	Operation and maintenance of water treatment process and associated installations (as mentioned above) for 05 years (after completion of 01 year defect liability period) including required manpower, consumables, spares, etc. for uninterrupted treated water supply etc., all complete and as directed.				
2a	1 st Year (including spares, consumables, manpower, etc., as required).				
2b	2 nd Year (including spares, consumables, manpower, etc., as required).				
2c	3 rd Year (including spares, consumables, manpower, etc., as required).				
2d	4 th Year (including spares, consumables, manpower, etc., as required).				
2e	5 th Year (including spares, consumables, manpower, etc., as required).				
	Total				

NOTE:

Defect liability period will start from the date of successful commissioning of the water treatment system. Charges of manpower and consumables only will be claimed from the client (included in SI No 1 of Section B above).

O&M for 5 years will start immediately after completion of 01 year defect liability period; cost of required spares, consumables and manpower will be claimed from the client (included in SI No. 2 of Section B above).

Note: Quoted price should be excluding GST. All other incidental charges for the execution of the contract should be included. The rates should remain firm during the tenure of contract period.

4.0 ABSTRACT

SI No	Particulars	Amount (Rs.)
1	SECTION A: SUPPLY, INSTALLATION AND COMMISSIONING OF WATER TREATMENT SYSTEM AT HALDIA TOWNSHIP, HALDIA, HDC	
2	SECTION B: OPERATION AND MAINTENANCE (O&M) CONTRACT OF WATER TREATMENT SYSTEM AT HALDIA TOWNSHIP, HALDIA, HDC FOR A PERIOD OF 06 (SIX) YEARS	
	Total Cost (Section A + B)	

FORMAT OF COVERING LETTER
(To be submitted on letter head of the applicant)

General Manager (Engineering)
Haldia Dock Complex
2nd Floor, Jawahar Tower
Haldia Township – 721 607

Sub: BUDGETARY OFFER for DESIGN, CONSTRUCTION, SUPPLY, TESTING, COMMISSIONING OF WATER TREATMENT SYSTEM FOR IMPROVEMENT OF THE QUALITY OF WATER SUPPLIED TO RESIDENTIAL ZONE AT HALDIA TOWNSHIP UNDER HALDIA DOCK COMPLEX INCLUDING OPERATION AND MAINTENANCE FOR A PERIOD OF 06 (SIX) YEARS.

Dear Sir,

1. With reference to your Budgetary Offer document dated, M/s hereby submit the Budgetary Offer application for the subject.
2. I/we certify that all information provided in the application are true and correct.
3. I/we understand that this Budgetary Offer application is binding in nature and Syama Prasad Mookerjee Port, Kolkata reserves the right to follow a closed competitive bidding process within the successful Budgetary Offer applicants pursuant to this Budgetary Offer process or follow any other method for selection of contractor at its own discretion or as directed by the Government.
4. I/ We acknowledge that the right of Syama Prasad Mookerjee Port, Kolkata to reject our application without assigning any reason or otherwise and hereby waive, to the fullest extent permitted by applicable law, our right to challenge the same on any account whatsoever.
5. I/we understand that Syama Prasad Mookerjee Port, Kolkata reserves the right to modify, cancel, suspend or terminate any aspect of the Budgetary Offer process at any time, for any reason, without giving prior notice and Syama Prasad Mookerjee Port, Kolkata (including their officers, employees and consultants) will not be bound by this Budgetary Offer.

Yours faithfully,

(Signature, name and designation of the authorized signatory)
(Name and seal of the applicant)

DETAILS OF APPLICANT

i. Particulars of applicant:

- a. Name:
- b. Address of the corporate headquarters and its branch office(s):
- c. Date of establishment/registration/incorporation and/or commencement of business:

ii. Brief description of the applicant including details of its main lines of business, current activities, background of promoters and management structure etc.

iii. Details of individual (s) who will be the authorized signatory:

- a. Name:
- b. Designation:
- c. Company:
- d. Address:
- e. Telephone Number:
- f. E-Mail Address:
- g. Fax number

iv. Details of individual(s) who will serve as the point of contact/ communication for the other partner (if any):

- a. Name:
- b. Designation:
- c. Company:
- d. Address:
- e. Telephone Number:
- f. E-Mail Address:
- g. Fax Number:

DETAILS OF EXPERIENCE

Name of applicant:

Experience Details:

Experience in Design, Construction, Erection, Installation, Testing and Commissioning of Water Treatment Systems in Port / Other Industries / Industrial Townships / Residential Townships / Residential Complex / Municipality / Corporation Area during last 7 years ending last day of month previous to the one in which applications are invited:

Sl No	Name of the organization	Project Details with brief description of the project along with salient points	Year of incorporation and / or year of commencement of the project
1			
2			
3			
4			
5			

FORMAT OF WRITE UP ON UNDERSTANDING OF PROJECT AND SUGGESTIONS

Please provide a brief write up on:

- Understanding of Project concept and objectives
- Views on proposed process, methodology and suggestions (if any)
- Expected support from Haldia Dock Complex, Syama Prasad Mookerjee Port, Kolkata
- A write up on proposed approach, methodology and process flow diagram including operation and maintenance plan for 06 years (including defect liability period) after successful commissioning of the project.
- Any other suggestions relevant to the project.