

Subject : Tender for Services for water level and discharge monitoring stations on National Waterway No. 1 (River Ganga) - Pre bid minutes

Reference : TENDER NO. NCB: IN-IWAI-242322-CW-RFB

Tender ID : 2021_JMVP_639495_1

Sr No	Tender Page	Tender Clause	Description	Queries	IWAI Response
1	3 &51	4(3), 2.4.1 General Work Experience	<p>Work experience:</p> <p><i>Similar Work, Experience of having successfully completed similar works i.e. Experience in Supply, Installation, Testing, Commissioning and Services of water level and discharge monitoring stations, during last 7 years ending last day of month previous to the one in which this tender is invited should be either of following</i></p> <p><i>Three similar works each costing not less than INR ...3,60,00,000.00 or Two similar works each costing not less than INR 4,50,00,000.00 or One similar work costing not less than INR 7,20,00,000.00</i></p>	<p>Please note that the requirement of similar experience of Supply, Installation, Testing, Commissioning and Services of water level and discharge monitoring stations, of required order value is too high. The requirement of having 22 (18 water level +4 discharge) sites in the stretch of 1620 Km itself is too large project and may be the first of its kind in India. Therefore, having an experience for the exact same item for the mentioned value may not be possible for the bidders, therefore we being a MSME company, request IWAI also to consider the following similar works which will give a chance to more no of bidders to participate:</p> <p><i>“Real time data monitoring of ships/sensors/coastal monitoring stations(RIS/VTS/DGPS/AIS) in river /seacoast areas” during the last 7 years.</i></p>	<p>Similar work may be read as “Supply, Installation, Testing, Commissioning and Services of Marine Survey Equipment”.</p>

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2	52	Qualification Criteria 2.4.2 (a) Specific Experience	<p>Bidder should have successfully completed as a prime contractor, JV member, management contractor or subcontractor,</p> <p>Minimum Three similar works each costing not less than Rs 3,60,00,000/-</p> <p>Or</p> <p>Two similar works each costing not less than Rs 4,50,00,000/- Or</p> <p>One similar works costing not less than Rs 7,20,00,000/-</p>	<p>We are is in the field of supply and maintenance of Hydrographic & Oceanographic Equipment from last 3 decades and providing complete systems & solution to BBMB, Indian Navy, NIOT, NIO, CWPRS, Port Authorities, Remote application center etc.</p> <p>We have successfully supplied Data Acquisition & Processing System (DAPS), Data Logger, Hydrophones, ADCPs, Underwater Current Meter, Doppler Current Meters and providing services (Maintenance & CAMCs) for the same items to various organizations like DOH, NIH, Indian Navy, Shipyards, NIOT etc. Copy of purchase orders enclosed.</p> <p>A contract of ADCP (Qty. 29 Nos.) from CWC Delhi is in our hand.</p> <p>Request to consider enclosed purchase orders for our eligibility to participate in this bid.</p>	<p>Similar work may be read as “Supply, Installation, Testing, Commissioning and Services of Marine Survey Equipment”.</p>
3	55	2.5 Contractors Representative & Key Personnel’s	Technical Expert	Age of Technical expert should not be bounded.	Age of Technical expert may be read as maximum of 55 (fifty five) years at the time of deployment.

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	55		Skilled Labor (Welder etc)	Skilled Labor (Welder etc) should not require as at the time of installation they could be arranged locally.	Bidder to give undertaking that required local manpower will be arranged in time.
4	57	2.6 Contractors Equipment		Not required in this tender.	Contractor has to arrange required equipment for maintenance of the installed sensors/equipment.
5	70	Appendix to Technical Part...Schedule-G		Sub-Contracting should be allowed at any stage of the contract as it would be decided after award of the contract.	Tender condition prevails.
6	119	3.6(A)	<p>Services to be provided during supply, installation, testing & commissioning.</p> <p>(b) civil work (d) GSM/GPRS (f) Web based interface user</p>	<p>Please elaborate on the required civil works at all sites.</p> <p>Whether all the sites (bridges/Jetty) are ready and in the possession of IWAI?</p>	<p>As per tender Scope of Work.</p> <p>Contractor to make necessary liaisoning for getting Clearances from the concerned authorities, however all documentary support will be provided by the IWAI.</p>
				<p>Please advise whether the GSM coverage is available at all the 22 sites?</p>	<p>Contractor has to conduct site survey for accessing the availability of GSM / GPRS coverage. However, if GSM / GPRS connectivity is not available on particular location, Contractor has to</p>

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					explore other options for data transmission and to include all expenses in the quoted prices.
				Please advise the no of web users license required.	50 nos. based on username and password.
				What about the security requirement at all these stations during 05 years of services period?	Contractor's liability.
7	119		In the technical section (Scope of work), it is mentioned that complete supply, installation, testing, commissioning of water level & discharge monitoring stations on NW1 includes civil works,	Provide us the pictures of the each site/Bridge to estimate the cost for Civil work and other constructions / mountings	List of site / bridges is mentioned in the tender document.
8	120	3.6(B)	Services to be provided during 05 years' service period (m) & (n) Consultant will depute a well-qualified technical expert duly trained on the software & hardware to be used during entire service period for receiving of current data and	Kindly elaborate regarding consultant. Is it referred to the contractor or there is requirement of a consultant for this project? With regard to the technical expert, what are the qualification requirement? Will IWAI pay for the GSM data services during these 5 years of contract, or it would be the contractors responsibility?	Consultant may be read as Contractor. Tender condition prevails. Contractor has to bear all expenses towards all services as per scope of work.

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			analysis thereon. - GSM data services	Do we have to visit the sites also during these 05 years of services or just remote support is sufficient? If site(s) visits are required, please confirm the no of visits (routine and breakdown) to be done in a year? What is the minimum turnaround time expected without penalty?	Contractor has to decide on the requirement and number of visit to maintain uninterrupted real time data services and security.
				What about the spares (hardware) requirement in these five years of service period?	Contractor's liability.
				What about the replacement of consumables like solar battery etc, during these 05 years of service?	Contractor's liability.
				Whether the software/firmware updates are envisaged in the 5 years of service period?	Yes.
9	120			Regarding the Hydraulic Modelling, please advise which physical need to be included in the model i.e. should it include meteorological forcing / storm surge / river flow) and also whether tidal flow i.e. currents are required or just water level.	Hydraulic Modelling shall include bathymetric data and current /discharge.

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10	128	1&2	<p>Technical Specifications Water level monitoring stations & water discharge system</p> <ul style="list-style-type: none"> - Accuracy - \pm 2mm - System power - Level Measurement of Radar <p>Sensor – up to 35 meters</p>	<p>We request to accept the accuracy \pm 3mm also to allow other manufacturers to participate.</p> <p>How many days of autonomy is envisaged from the autonomous solar system?</p> <p>We request to keep the level measurement range up to 30m as our sensor can measure maximum up to 30m.</p>	<p>Accuracy may be read as \pm 3mm.</p> <p>Contractor has to provide and maintain un-interrupted real time data supply.</p> <p>Level measurement range may be read as 30m.</p>
11	128	Technical Specification: Water Level Monitoring Stations	Measurement Range: Up to 35 m	Request to consider standard measurement range up to 30m as Central Water Commission (CWC) and other departments are using the same water level monitoring.	Level measurement range may be read as 30m.
12	130	Additional points	In the technical section (Scope of Work), it is mentioned that “Conduct site survey and prepare benchmark and levelling for the water level & discharge monitoring stations on NW1.	Is there any existing benchmark located near to the decided sites? If yes, please provide the distance b/w the benchmark location & site (GPS co-ordinates will be really helpful).	Details of existing benchmarks is not available with IWAI.
13	130		In the technical section (Scope of work), it is mentioned that IWAI will provide bathymetric data based on which the Service	We have the capability to create the DEM which we would then incorporate into Port-Log as a base map. The time it will take to do this very much depends on the volume,	Available data will be provided to the successful bidder.

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			Provider is to develop a high-resolution Digital Elevation Model (DEM) for the complete stretch of NW1 from Varanasi to Haldia.	geographic extent, quality and format of the input data. Please share us the small area bathymetric data to check the resolution data as it is very important to generate high resolution DEM. Is bathymetric survey conducted using Single Beam echo sounder or Multibeam? Can you provide the Bathymetric report inclusive of Datum information?	
14			General	As the tender involves lot of documentation and coordination with the various vendors, we therefore request to kindly extended the tender submission by minimum two weeks from the date of issue of Prebid clarifications.	Tender condition prevails.
15	178	GCC 16.3 New Clause Delivery Schedule	Supply of Radar Based Water level monitoring stations-60 days from the date of issue of work order Supply of Doppler Radar based discharge monitoring stations- 60 days from the date of issue of work order Supply of Data Center at IWAI main office Noida, Uttar Pradesh -60 days from the date of issue of work order.	Please consider delivery period as 90 days from the date of issue of contract.	Delivery period may be read as 90 (ninety) days from the date of issue of work order.

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	179		<p>Installation, Testing & Commissioning of Radar Based Water level monitoring stations- Within 150 days after getting clearance from the respective authorities/ departments of the bridges/ jetties</p> <p>Installation, Testing & Commissioning of Doppler Radar based discharge monitoring stations- Within 150 days after getting clearance from the respective authorities/ departments of the bridges/ jetties</p>	Please consider Installation, Testing & Commissioning period as 210 days after getting clearance from the respective authorities/ departments of the bridges/ jetties	Tender condition prevails.
		<p>Data Centre at IWAI Main Office, Noida, Uttar Pradesh. Design & develop an error free (it should not give abrupt results and analyzed the data as per scope of work), customized, secure web based GIS</p>	<p>i. Design of customized web application in consultation /approval by IWAI within 150 days from issue of work order.</p> <p>ii. Security Audit of Web application from CERT-IN Agency within 240 days of issue of work order.</p>	<p>i. Design of customized web application in consultation /approval by IWAI within 210 days from issue of work order.</p> <p>ii. Security Audit of Web application from CERT-IN Agency within 240 days of issue of work order.</p>	Tender condition prevails.

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		application suite that allows easy access to the IWAI officials. Different category of security & access of website for IWAI officials & Operator is to be made (In order to have proper security audit prior to uploading the software on the Hardware, relevant security audits have to be cleared & certificate from local authorised agencies of the country obtained. In India it would be CERTin).	iii. Developed web application is to be hosted on a server installed by the Consultant within 30 days of Security Audit.	iii. Developed web application is to be hosted on a server installed by the Consultant within 30 days of Security Audit.	
16		Due Date of the Tender	Last Date and Time for Receipt of Bids: Date 20.08.2021 Time 15:00 Hours	Request to extend for 02 weeks from the due date of the bid.	Tender condition prevails.
S. No.	Description	Additional IWAI clarification			
17	Procurement of GSM SIM	Contractor has to procure required GSM SIM in the name of IWAI. All documentary support will be provided by the IWAI. All the expenses will be borne by the Contractor.			

18	Internet / Leased Line connection	Contractor has to procure required Internet / Leased Line connection in the name of IWAI. All documentary support will be provided by the IWAI. All the expenses will be borne by the Contractor.
19	Sub-Contracting	Please refer to Section II, Bid Data Sheets, Page 40, Clause 33.3 and Section IX Particular Conditions of Contract, Page 176, Clause PCC 7.1 for Sub – Contracting.