

Amendment- 1

**Sub : Services for water level and discharge monitoring stations on National Waterway No. 1 (River Ganga)**

**IWAI tender ref. no. IWAI/HY/1(1)/RIS-I/2020-21/R dated 14.07.2021**

**CPP Portal Tender Ref : 2021-JMVP-639495-1**

Tender Ref : IN-IWAI-242322-CW-RFB

S. No.	Page No & Clause No.	Existing	Amended
01.	Page No 3, INVITATIONS FOR BIDS (IFB) E-Procurement Notice, Cl 4 (3) and Page 51, Section III - Evaluation and Qualification Criteria, General Work Experience, Cl 2.4.1, Page 52, Specific Experience, Cl 2.4.2	Experience in <b>Supply, Installation, Testing, Commissioning and Services of water level and discharge monitoring stations</b>	Experience in <b>“Supply, Installation, Testing, Commissioning and Services of Marine Survey Equipment”</b> .
02.	Page No 55, 2.5 Contractors Representative & Key personnel, Item. No. 1, Technical Expert	Technical expert have a bachelor’s degree in electronics / computer sciences engineering and an experience of minimum 10 years’, out of which at least 7 years’ shall be in managing projects of similar nature. The expert shall be receiving the current data and analysis thereon. Personnel must have experience in executing similar projects. The age of the personnel as on the date of bid submission shall not be more than 50 years;	Technical expert have a bachelor’s degree in electronics / computer sciences engineering and an experience of minimum 10 years’, out of which at least 7 years’ shall be in managing projects of similar nature. The expert shall be receiving the current data and analysis thereon. Personnel must have experience in executing similar projects. The age of the personnel as on the date of bid submission shall not be more than <b>55</b> years;
03.	Page No 55, 2.5 Contractors Representative & Key personnel	Bidder to provide the details of the manpower at the time of Bid Submission.	For Skilled Labor (Welder etc) - Bidder to give undertaking that required local manpower will be arranged in time.

04.	Page No 57, 2.6.0 Equipment	The Bidder must demonstrate that it has the Key equipment listed hereafter	Contractor has to arrange required equipment for maintenance of the installed sensors/equipment.
05.	Page No 121-122, General 4.19	New Clause	Contractor to make necessary liaisoning for getting Clearances from the concerned authorities, however all documentary support will be provided by the IWAI.
06.	Page No 121-122, General 4.20	New Clause	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 explore other options for data transmission and to include all expenses in the quoted prices.
07.	Page No 121-122, General 4.21	New Clause	Security requirement at all these stations during 05 years of services period is Contractor's liability
08.	Page No 121-122, General 4.22	New Clause	Contractor has to decide on the requirement and number of visit to the Sites during 05 years of services to maintain un-interrupted real time data services and security
09.	Page No 121-122, General 4.23	New Clause	The spares (hardware) requirement in the five years of service period shall be Contractor's liability.
10.	Page No 121-122, General 4.24	New Clause	The replacement of consumables like solar battery etc, during these 05 years of service shall be Contractor's liability.
11.	Page No 121-122, General 4.25	New Clause	Contractor has to provide and maintain un-interrupted real time data supply irrespective of autonomy of Solar System.
12.	Page No 121-122, General 4.26	New Clause	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.
13.	Page No 121-122, General 4.27	New Clause	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.
14.	Page No 130, Additional Points	New Point	Number of web user license required is 50 nos. based on username and password.
15.	Page No 130, Additional Points	New Point	Hydraulic Modelling shall include bathymetric data and current /discharge.
16.	Page No 120, Clause 3.6 (B) (m)	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 analysis thereon. Technical expert should be the permanent employee of the Consultant having valid Identification Card issued by the Consultant.	Contractor 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 analysis thereon. expert should be the permanent employee of the Contractor having valid Identification Card issued by the Contractor Consultant.
17.	Page No 120, Clause 3.6 (B) (n)	The Consultant will maintain attendance record of the deputed Technical expert and will hand over to the IWAI on demand.	The Contractor will maintain attendance record of the deputed Technical expert and will hand over to the IWAI on demand.
18.	Page No 128, System Specifications, Water Level Monitoring Stations, Measurement Range	Up to 35 m	Up to 30 m
19.	Page No 128, System Specifications, Water Level Monitoring Stations, Accuracy	+/- 2 mm	+/- 3 mm
20.	Page No 128, System Specifications, Water Level + Discharge Monitoring Stations, Level Measurement Range	Up to 35 m	Up to 30 m

21.	Page No 178, GCC 16.3, Delivery Schedule, S. No. A1, A2 & A3	60 days from the date of issue of work order	90 days from the date of issue of work order
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All other terms and conditions remains unaltered.