

**MINUTES OF PRE-BID MEETING HELD ON 20.10.10 AT IWAI, NOIDA IN  
RESPECT OF TENDER FOR PROCUREMENT OF AUTOMATIC TIDE  
GAUGES FOR NW-1, 2 & 3**

As per the Tender No. IWAI/HY/2(9)/Gauge/2010 dated October 2010, Pre-Bid meeting was held on 20.10.2010 at IWAI, NOIDA with representatives of the bidders in connection with the tender for procurement of Automatic Tide Gauge (Pressure Type) for the National Waterways No-1, 2 & 3.

List of participants is given at Annexure - 1.

Shri. Gurmakh Singh, Director (Hydrography) and Chairman of the Committee has explained the tender requirement of IWAI and requested the representatives of the bidders to raise their query one by one on the Tender Documents for seeking clarifications by IWAI. Accordingly the bidders raised their query and the TEC has given clarifications on each points, gist of the same is given below. The minutes of the pre-bid meeting will form part of the tender document and the bidders are requested to read accordingly.

SI. No	ITEMS & CLAUSE No.	PAGE No.	DESCRIPTION	BIDDERS QUERY	REPLY BY IWAI
1	Earnest Money Deposit (EMD) Clause No. 7	7	<b>The bidder shall furnish as part of its tender, EMD of ₹ 6,00,000/- (Rupees Six Lakhs only).</b> The EMD shall be drawn in the form of Crossed Demand Draft (DD)	We request you to kindly accept EMD in the form of Bank Guarantees, valid till 180 days from the date of Tender opening.	<b>The bidder shall furnish as part of its tender, EMD of ₹ 60,000/- (Rupees Sixty Thousand only).</b> EMD shall be drawn in the form of Crossed Demand Draft (DD) only. No other form of payment is acceptable.
2	Financial Bid Clause 11.	12	Form No. 'C' or 'D' & 31/32 will not be issued by the "Authority" Road permit, Way bill etc. are to be arranged by the Supplier	IWAI to issue the necessary Way bills for the supply of the equipment wherever required as the majority of the equipments are going to be supplied in Kolkata, Patna & Guwahati region where Way bill is required.	IWAI Field offices shall arrange the Way bill from the concerned Sales Tax Department on request of the supplier.

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3	Security Deposit Clause No. 4.8.1	22	Security Deposit including EMD already submitted will be 5% (five percent) of the contract value of the work. The EMD received from successful Tenderer will be converted as Security Deposit on signing of the agreement. <b>Balance Security Deposit (i.e. Total 5% SD deducting EMD submitted with technical bid) will be deducted from the first stage payment.</b>	Kindly release the EMD after the submission of Security Deposit (5% of the contract value). Security deposit to be released on the delivery of material. S.D and Performance Bank Guarantee to be submitted in the form of the Bank Guarantee. P.G to be released after warranty period (i.e. 12 months from the date of Installation and Commissioning or 18 months from the date of delivery, whichever is earlier).	No change
4	Certificate and Fees Clause 13.	23	The supplier shall pay all the fees in connection with the certificates and all realities or incurred other fees during the Supply of the Equipment.	Please mention the test certificates and other certificates required by IWAI and the issuing agency.	Only calibration and quality related certificate for the equipment to be furnished along with the supply. Fee, if any, required for obtaining the certificates shall be borne by the Supplier.
5	Payment Clause No. 14(a)(i)	24	80% (Eighty percent) of the contract value will be paid within 30 days of delivery in good condition, without any transit damage	80% of the payment to be paid within 30 days of delivery. Security Deposit (5%) to be paid in the form of Bank Guarantee within 3 weeks from the date of receipt of order.	No change

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6	Payment Clause No. 14(a)(ii)	24	20 % (Twenty percent) of the contract value will be paid after satisfactory installation, commissioning and successful completion of 2 (Two) days training for equipments to "Authority" personnel, complete in all respect at respective IWAI, field offices. The respective officer in charge of the authority or their representative would certify for installation & training within 15 days of completion of training & installation. The payment will be released by IWAI, NOIDA.	20% of the contract value to be paid immediate for the sites where equipments have been installed & training completed  For the sites where Installation delays due to non readiness of site from your end, in such case balance 20% payment to be released within 4 months from the date supply of material.	20 % (Twenty percent) of the contract value will be paid after satisfactory completion of said work. However, Regional office-wise (Patna, Kolkata, Guwahati & Kochi). payment shall be considered on completion of works of all the sites under that jurisdiction. Due to any reason, if the identified site is not ready, IWAI will immediately give alternate site on request by the Supplier.
7	Payment Clause No. 14(a)(iii)	24	Performance Guarantee and Security Deposit will be released on expiry of warranty period of 12 months subject to Clause 8 in general conditions of contract or final settlement of all claims of the purchases under the terms of contract whichever occurs later. The SD and PG will be released by IWAI, NOIDA.	Performance Guarantee to be released after warranty period (i.e. 12 months from the date of Installation and Commissioning or 18 months from the date of delivery, whichever is earlier) & Security deposit to be released on completion of delivery material.	No change. However, the following sentence will be added to Clause No. 8 under item No. 3 NO DEMAND CERTIFICATE will be issued within 30 days by the concerned IWAI Regional Offices after the expiry of Warranty period of the equipment on the request from the Supplier
8	Training Clause No. 3 (e) of Special Condition of Contract	32	The Nos. of trainees undertaking the training shall be at the discretion of IWAI.	Please specify the no of personnel undergoing training for the equipment at each site. We suggest 6 nos. trainees for effective training. IWAI to arrange the space for training.	No change.

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9	Installation Clause No. 4 of Special Condition of Contract	32	Supplier will install the Automatic Tide Gauge within 60 days after delivery of the equipment or as directed. 1. By fixing it vertically along the Jetty Pier (or) 2. By fixing it in inclined position along the slope of the river Bank The bidder has to specify clearly the method of installation of ATG for the above two types along with diagram by considering the safety aspects and round the clock reading throughout the year.	Installation & commissioning of tide gauge is subject to readiness of the sites, completion of all Mechanical / Civil work. This has to be provided by IWAI. Power source (If required for external supply) and Shed/ Housing Hut IP66 above HFL level for installing Data logger to be arranged by IWAI.	All sites are ready as on date which is presently operated as manual tide gauge stations. No Mechanical / Civil works are envisaged from IWAI's side. However, the bidder has to install the ATG at the site as per their proposed method of Installation as indicated in the bid . No external power supply is envisaged for the ATG. The Shed / Housing hut, if required, will be made by IWAI as per site condition.
10	Installation Clause No. 4 of Special Condition of Contract	32	Housing for Installation shall be with 2" or 4" (inch) dia G.I pipe having 50 m length (approx) up to shed with connectors / bend to be clamped properly and having locking facility at the output end is to be considered or as directed by Director, IWAI or his representatives depending upon the actual site conditions.	IWAI to confirm the Maximum transducer cable length required at each jetty & river bank	Cost Schedule has been revised as Schedule-A, Schedule-A1 and Schedule-A2 for the supply of ATG with 50m cable length, 100m and 200m cable length respectively (Annexure - 2,3 & 4). Work order will be issued with specific transducer cable length required at each location. Housing for Installation shall be with 2" or 4" (inch) dia G.I pipe / HDPE pipe having 50 m /100m/ 200m length (approx)
11	Delivery Clause No. 10 of Special Condition of Contract	35	The completion of delivery will be within 30 days at respective IWAI field Offices from the date of issuance of work order	Delivery of equipments to be at least within 8-10 weeks from the date of receipt of work order. As the equipments are required to be imported from overseas, this involves lot of import formalities.	The delivery shall be made within <b>60 (sixty)</b> days at the respective IWAI field Offices from the date of issuance of work order

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12	7. Technical Specification	41	<b>Water level sensor:</b> Ceramic capacitive Pressure sensor and material of probe should be anti-corrosive Stainless steel.	<b>Water level sensor:</b> Ceramic capacitive Pressure sensor and material of probe should be anti-corrosive material.	<b>Water level sensor:</b> Ceramic capacitive Pressure sensor and material of probe should be of any anti-corrosive material.
13	7. Technical Specification	41	Technical Specification (item No. 1 to Item No. 15)	The Tech. specifications given in Para. 7 , page 41 are very vague and sketchy as it does not give the schematic diagram of the installation and requirement of derivable. It requires more clarity. The list of deliverables as required may kindly be given	The specifications indicated in the tender document are the minimum basic requirement. No specific model/ brand is envisaged. The bidder has to submit a write up on methodology proposed for installation of the ATG in the technical bid.
14	7. Technical Specification	41	Technical Specification item No. 3 <b>Power Supply:</b> Integral Lithium or Alkaline battery pack	The integral battery pack cannot be a part of Sensors. Thus the location of battery pack may kindly be clearly given. The requirement of power backup for the systems in terms of hours should be given. Also source of charging of battery that is power supply or solar panel should be given. As it is stand alone system the solar panel is defiantly require.	The Integral battery pack means the battery pack is connected with Sensors through power cable. The location of battery pack may be at the data logger side. The requirement of power backup @ 1 hours sample interval shall be about 3 years with Lithium batteries and about 6 months with Alkaline batteries. Regarding source of charging of batteries the Alkaline batteries shall be of replacement type and for Lithium battery, <b>Charger is also to be supplied.</b> The battery shall be replaceable easily at site without using any tools. Solar panel type ATG is not envisaged.

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15	7. Technical Specification	41	Technical Specification item No. 4 <b>Memory:</b> Minimum 1 MB integrated data logger	Memory Min. 1MB integrated Data Logger is not clear . This means that the Data Logger is required with internal power pack. The specification of Data Logger are not given any where and also the supply of Data Logger is not clearly mentions	Memory device in the Data Logger shall have minimum 1MB storage capacity with internal power pack. No specific model for Data Logger is envisaged.
16	7. Technical Specification	41	Technical Specification item No. 6 <b>Water level sensor:</b> Ceramic capacitive Pressure sensor and material of probe should be anti-corrosive Stainless steel.	The type of water level sensor normally use for measurement of type is solid-state Piezoelectric type. Thus the ceramic capacitive pressure sensor may be modified as "solid state Piezoelectric/ capacitive sensor " to make the specification generalized and to get latest state of art system.	No change except the material of probe shall be any anti-corrosive material.
17	7. Technical Specification	41	Technical Specification item No. 10 <b>Clock:</b> Real time Clock	Where this clock is located. Since Data Logger specification is not given the location of real time clock, which is a part of a Data Logger, is also not clear.	Clock is an integral part of the Data Logger and its location may differ for various models. Hence no specific location is mentioned in the tender.
18	7. Technical Specification	41	Technical Specification item No. 11 <b>Data communication:</b> Infrared / Bluetooth / USB Port / Serial Port RS 232 to connect to Laptop / PC for data downloading.	Where all this ports are located. Naturally these are part of the Data Logger. So Data Logger specification are necessary	Data Communication ports shall be at the output end of 50m / 100m / 200m cable. This is an integral part of Data Logger and may differ from model to model. Only data downloading facility is envisaged.
19	NIT	5	Date of Sale of Tenders shall be from 11.10.10 to 28.10.10, and Pre-bid meeting be held on 20.10.10. Last date of submission is up to 1500 hrs on 29.10.10. Date of opening:- 29.10.10 at 1530 hrs.	The Bidders have requested to extend the tender submission date by another 10 days	Date of Sale of Tenders is extended up to 4.11.2010, Last date of submission is extended up to <b>1500 hrs on 8.11.2010</b> and the technical bids shall be opened at 1530 hrs on the same day.

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20	6. WARRANTY FORM	40	The Tenderer has investigated the work site & also visit IWAI office and satisfied himself regarding the nature of work, and local conditions that may affect the work or its performance.	The Bidders have requested to have a joint site visit to know the actual site condition before submission of bid	Bidders are advised to contact the Regional Director of IWAI for getting familiarisation with the identified sites for installation of ATG and satisfy themselves before submission of bid.
21	7. Technical Specification	41	Technical Specification item No. 11 <b>Data communication:</b> Infrared / Bluetooth / USB Port / Serial Port RS 232 to connect to Laptop / PC for data downloading.	The tender does not include communication of data from field station to Central Monitoring Station. The data can be transmitted directly online through GSM/GPRS network. This gives operational advantage to user for continuous monitoring of data as well as the health of station. This is a latest technology and should be included in the tender requirements.	The communication of data is envisaged from the ATG Data communication port (ie data logger) to the Laptop/ pen drive/ any external data storage devices. Data communication from field station to Central Monitoring station is not envisaged in the tender.
22	Earnest Money Deposit (EMD) Clause No. 7	7	<b>The bidder shall furnish as part of its tender, EMD of ₹ 6,00,000/- (Rupees Six Lakhs only).</b> The EMD shall be drawn in the form of Crossed Demand Draft (DD)	As per Govt. of India rules (Min. of Finance) the vendors registered with DGS&D on or other Govt. notified Govt. bodies like Small Scale Industries (SSI) units registered under Single Point Registration System with National Small Scale Industries Corporation and SSI units registered with Small Scale Industries Development Corporation (SSIDC) etc, are exempted from paying the tender fees and EMD.	IWAI has so far not exempted any bidder including Govt. bodies from submission of EMD and tender fees.  <b>Hence all bidders shall furnish as part of its tender, EMD of ₹ 60,000/- (Rupees Sixty Thousand only).</b> The EMD shall be drawn in the form of Crossed Demand Draft (DD). No other mode of payment is acceptable

**List of participants****IWAI**

1. Shri. Gurmakh Singh., Director (Hydrography.)
2. Shri. Ajay Gupta, Dy. C.A.O
3. Shri. A. Selvakumar., A.H.S
4. Shri. G. Prasanth., Sr.J.H.S

**BIDDERS**

1. Shri. Thomas T.Thomas., M/s. Elcome Marine Services Pvt. Ltd
2. Shri. A.K. Singh., M/s. PAN India Consultants
3. Shri. Satish Kumar Prasad., M/s.S.G.S Weather & Environmental Systems Pvt. Ltd.
4. Shri. Trilok Kanyal., M/s. GenNEXT Lab
5. Shri. Anand Jain., M/s. Nelco Ltd.

## 9. COST SCHEDULE

### (Procurement of Automatic Tide Gauge (Pressure Type)

#### Schedule 'A' (for 50 mts Length of Cable)

Note:- The tender shall enter a firm price against each item and fill up the table. Price should be in Rupees ( in words & figure)

Sl no.	Description	Amount in ₹
1	Automatic tide gauges (Pressure Type) inclusive of all taxes Rate per Automatic Tide Gauge ₹. x 16 Nos	
2	Installation charges for 50 mts Length of Cable including Training charges and all taxes a) By fixing it vertically along the Jetty Pier. Rate per location ₹ x 9 Nos	
	b)By fixing it in inclined position along the slope of the river Bank Rate per location ₹ x 7 Nos	
	Total Cost =	

Total quoted cost for 16 nos of equipment including Installation = ₹ .....

( Rupees in words.....)

(Name & Signature of the  
Authorized person with date)

Note: Use separate sheet for using in Price Bid

**Schedule 'A1' (for 100 mts Length of Cable)**

Note:- The tender shall enter a firm price against each item and fill up the table. Price should be in Rupees ( in words & figure)

Sl no.	Description	Amount in ₹
1	Automatic tide gauges (Pressure Type) inclusive of all taxes Rate per Automatic Tide Gauge ₹. x 16 Nos	
2	Installation charges for 100 mts Length of Cable including Training charges and all taxes a) By fixing it vertically along the Jetty Pier. Rate per location ₹ x 9 Nos	
	b)By fixing it in inclined position along the slope of the river Bank Rate per location ₹ x 7 Nos	
	Total Cost =	

Total quoted cost for 16 nos of equipment including Installation = ₹ .....

( Rupees in words.....)

(Name & Signature of the  
authorized person with date)

Note: Use separate sheet for using in Price Bid

**Schedule 'A2' (for 200 mts Length of Cable)**

Note:- The tender shall enter a firm price against each item and fill up the table. Price should be in Rupees ( in words & figure)

Sl no.	Description	Amount in ₹
1	Automatic tide gauges (Pressure Type) inclusive of all taxes Rate per Automatic Tide Gauge ₹. x 16 Nos	
2	Installation charges for 50 mts Length of Cable including Training charges and all taxes a) By fixing it vertically along the Jetty Pier. Rate per location ₹ x 9 Nos	
	b)By fixing it in inclined position along the slope of the river Bank Rate per location ₹ x 7 Nos	
	Total Cost =	

Total quoted cost for 16 nos of equipment including Installation = ₹ .....

( Rupees in words.....)

(Name & Signature of the  
authorized person with date)

Note: Use separate sheet for using in Price Bid