

**Minutes of the Pre - bid Meeting held on 13.08.2012 in connection with tender for Detailed Hydrographic Survey in NW-4 & NW-5**

A Pre - bid meeting was held at 15:00 Hrs on 13.08.2012 at IWAI, HO, Noida in connection with tender for Detailed Hydrographic Survey in NW-4 & NW-5, list of participants is placed as Annexure 1.

The revised schedule of quantities, Estimated cost, EMD and Bank Solvency required and time schedule are enclosed as Annexure 2A & 2B. These are to replace the existing figures in the tender document.

Sl. No	Points raised by Participants	Clarification/Decision of IWAI
1	Is paper recording echo roll to be produced in the report?	Digital echo sounder with recording paper roll is required to be used. The same is to be submitted along with the digital data.
2	Characteristics of soil and water to be tested from the water and bottom samples.	There are a) Grain size distribution b) Specific gravity, c) PH value d) Cu, Cc and e) Clay silt% for Bottom samples and Sediment concentration for Water Samples
3	Documentary evidence on ownership/any other tie-ups with reputed survey organizations	Copy of registration certificate, or authorization certificate from tied up organization
4	Erection of water level gauges at every 10 kms and reading at 1 hr interval of 12 hrs for the entire periods of survey	At least 2 gauges (one U/s and one D/s at 10 Km apart) shall read simultaneously and soundings to be carried out within the gauge stations. For assessing slope of river/canal gauges shall be erected at 50 Km interval and simultaneous readings to be observed for at least two days.
5	The water level, current velocity and discharge at every 10 km interval shall be observed once in a day during the survey period.	For velocity and discharge in tidal area 48 hours observation and for others 24 hrs at 10km interval. One time reading during survey period is required.
6	Request for extension of tender submission data	Accepted and revised to 15:00Hrs on 27.08.2012.
7	Can we submit one solvency certificate for total value?	Yes
8	Does the 100m corridor included width of canal	100 m corridor includes width of canal
9	Bench Mark details	Will be supplied by IWAI with required undertaking
10	Use of locally available vessels	Contractor is free to deploy any vessel suitable for bathymetric purpose, subject to safety of personnel & equipment

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11	Survey datum to be used	WGS 84
12	Will IWAI accept a Bank Guarantee for EMD & Security deposit?	No
13	Inclusion of weather/rains/storm in the Force Majeure clause as survey will need to be suspended during any and all such eventualities.	Accepted
14	What is the limit for variation of work?	±20%
15	Should one party win the entire contract what will be the sequence of execution of work.	Work should be taken up simultaneously for all schedules
16	Will there be any fixed methodology to be followed for the survey work?	Standard procedure to be followed
17	Validity period of Bank Guarantee	Entire duration of work or extended period if any
18	Is it required to construct Bench Mark? What would be the specifications of the same.	0.3mx0.3mx1.5m(0.6m above GL) RCC pillar with 6mm thick 50mm dia GI pipe inserted.
19	The documentary evidence about the bidders financial and technical capability necessary to perform the contract including capacity in terms of personnel for the purpose of carrying out the survey.	Work completion certificates, audited balance sheets, Solvency certificate, Bio data of Key personnel are to be submitted.
20	To identify cross structures which are obstructing navigation. Details of Max. height of vessel planned for river navigation	Vertical clearance above HFL to be taken.
21	Current meter calibration from CWPRS	Calibration of OEM is acceptable, proof of the same to be furnished
22	Whether JV is permitted	Yes, provided all the partners are meeting the contractual requirement and the JV is registered.
23	Progress Report	Fortnightly progress report is required to be submitted
24	Inspection	EIC representative will inspect and verify correctness of the work on a monthly basis or as desired by EIC, However no full time representative will be available on the spot.
25	Report	3 copies of draft report+chart and soft copy 10 copies of final report+chart and soft copy
26	Clause 30.1. What is the maximum duration of suspension	Suspension of work will be on exigency basis, hence duration can not be assessed at this time.

Sl. No	Points raised by Participants	Clarification/Decision of IWAI
27	Old survey data for planning purpose.	No such data is available with IWAI
28	Payment online	RTGS Payment possible for transfer of funds for payment to the contractor
29	Will companies having experience of Hydro survey in Reservoirs and in coastal area including survey, preparation and submission of drawings & reports be allowed to bid?	Experience in Hydrographic survey in any area will be considered
30	Clause 41.1 Service tax is to be shown extra in the bid invoice. Please confirm will it be acceptable?	Service tax shall be shown separately.
31	Satellite images/toposheets/CWC/State Government data cannot be acquired without support from IWA. Please confirm the procedure.	Satellite images/toposheets will be supplied by IWAI. Introductory letter will be issued for collecting other information from State/Central Government
32	Will Ex Indian Navy in the grade SR I/II qualify as qualified team of surveyors?	Yes
33	Please confirm acceptability of satellite based wide area DGPS correction with $\pm 1$ m accuracy.	Acceptable accuracy
34	Do we have to take DD towards EMD for each package or a common DD can be made as EMD for all five packages	As separate agreements have to be signed for each schedule, separate DD for the EMD have to be submitted.
35	In case of a firm quits mid way during the work in one schedule what would be the outcome of SD	The SD would be forfeited for that particular schedule.

### **List of Participants**

1. Sh. A.N. Mishra, DGM, RITES Ltd. Gurgaon
2. Cdr P.K.Jain & Cdr R.K.Vohra, EGS Survey Pvt Ltd, Mumbai
3. Smt Sabita Kaushal, Sr, Dy. Manager, Ramky Enviro Engineers Ltd, New Delhi
4. Sh. Ashis Kantha, Global Marine Infratech(Pvt) Ltd. Bhubaneswar
5. Sh. Manoj Kandwal, New Horizon Surveys(Pvt) Ltd.
6. Sh. Arjun, WAPCOS Limited
7. Sh. Anuj Dhankad, IIC Technologies, Hyderabad
8. Sh A.K.Singh & Sh. Amit, PAN India Consultant Pvt Ltd. Gurgaon

**PART - IV**  
**SCHEDULE OF QUANTITIES**

**“Detailed hydrographic survey in NW-4 & NW-5”**

Sl. No.	Description of item	Unit	Qty	Rate	Amount (in Rs.)
	To carry out detailed Hydrographic survey including, bathymetric, topographic survey, traversing, current meter observations, water level observation, collection of bottom & water samples and its analysis. Mobilisation charges of survey units, equipment and hiring and running charges of vessels, insurance of personnel and equipment. Preparation of charts & reports etc. complete in all respect.				
	<b>National Waterway - 4</b>				
	Bhadrachalam to Rajahmundry stretch of Godavari River	Line Km	855		
	Kakinada to Rajahmundry (Kakinada canal)	Line Km	276		
	Rajahmundry to Eluru (Godavari-Eluru Canal)				
	Krishnapatnam Port to Ennore Port (North Buckingham Canal)	Line Km	274		
	<b>National Waterway - 5</b>				
	Talcher to Dhamra (Brahmani / Kharsua /Dhamra River)	Line Km	1052		
	Charbatia to Dhamra (Matai River)	Line Km	106		
	Mangalgadi to Pardeep (Mahanadi Delta River)				

Note: Rate and amount must be written in both figures and words

(SIGNATURE OF TENDERER)

NAME & DESIGNATION: .

NAME OF FIRM .

DATE : .

SEAL

Schedule	Description of Works	Estimated Cost (Rs. in lakhs)	EMD in (Rs. In lakhs)	Bank solvency required (Rs in Lakhs )
1	<b><u>Detailed Hydrographic Survey in NW-4 in the stretches</u></b>			
(a)	Bhadrachalam-Rajahmundry stretch of Godavari River(171Km),	79.6	1.59	24
(b)	i) Kakinada Canal (Kakinada to Rajahmundry) (50Km) ii) Godavari – Eluru Canal (Rajahmundry – Eluru)(88Km)	25.7	0.51	8
(c)	North Buckingham Canal (Krishnapatnam – Ennore)(137 Km)	25.5	0.51	8
2	<b><u>Detailed Hydrographic Survey in NW-5 in the stretches</u></b>			
(a)	Brahmani/Kharsua/Dhamra River (Talchar-Dhamra) (265 km),	113	2.26	34
(b)	i) Matai River (Charbatia-Dhamra)( 39 km) and ii) Mahanadi Delta River (Mangalgadi-Paradeep)( 67 km)	11.4	0.23	4

### **TIME SCHEDULE.**

The time schedule of execution of the entire assignment will be as follows:

- i) Zero date(agreement date) of this project will be taken as 10th day after issue of work order.
- ii) The contractor should complete mobilization of equipment and man power complete and start field works within 10 days from zero date.
- iii) The actual survey work should be completed within 4 months after commencement of work.
- iv) The Draft Report of surveyed area should be made available within 30 days of Completion of Survey work.
- v) The Final Report of surveyed area should be made available within 30 days of Submission of Draft Report.