

Minutes of the Pre- Bid meeting held on 25.10.2013 in connection with Tender for
"TENDER DOCUMENT FOR DETAILED HYDROGRAPHIC SURVEY IN NW-3

S. NO.	Clause/ page	POINTS RAISED BY THE BIDDER	CLARIFICATION GIVEN BY "IWAI"
A		IIC Technologies Ltd, Hyderabad	
1	Section 2/ scope of work/ Page-51	Requested for providing the average width of River /Canal portion. This is needed for estimate the quantum of Bathy & Topo work	A table showing average river width charts limits of various scale is attached as appendix A along with Index map.
2	Section 4/ ToR / Page-51	Horizontal Control - whether IWAI will supply the registered satellite charts /Topo sheets for planning the control network or Contractor is expected to purchase the same	IWAI will provide SOI topo sheets and latest satellite imageries in CD form to successful bidders after taking necessary undertaking.
3	Section 4/ ToR / Page-51	Vertical Control - The Para indicates that the datum have already been established along the river/ canal stretches. a) It is assumed the a copy of the various BMs/ LBMs along with their values w.r.t. MSL and CD will be provided by IWAI. b) Is the contractor expected to erect BM Pillars along the river canals. If yes, the approximate number of Pillars (with specifications) to be erected along the river/ Canal need to be provided by IWAI.	a) IWAI, will provide the BM details and CD value to successful bidder. b) No construction of survey pillars is required.
4	Section 4 (b)/ ToR / Page-52	Water Level Gauges - Are the Tide gauges required to be setup for simultaneous observations OR can they be setup on an incremental basis, depending on the progress of survey in respective area.	The water level gauges are to be erected in the survey area at least one in the upstream and the other in the downstream. The soundings are to be taken in between the gauges for the w/w portion. Simultaneous gauge reading are to be taken on these gauges during survey period.
5	Section 6.1 / Vessels / Page-53	It may be difficult to find a suitable vessel that is registered under I.V Act. In such a scenario, will it be good to use locally available shallow draft boats for conduct of survey.	IWAI does not insist for vessel registration under I.V.Act. However,it is the responsibility of the contractor to ensure the safety of men & materials/ vessel deployed for the survey work.

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6	Section 10.0 / Special Conditions / Clause 10.5 / Page-56	<p>This clause states that IWAI will make an initial payment to the contractor for the cost of mobilization in respect of the working lump-sum amount equivalent to 30% of the contract price against equivalent amount in the form of Bank Guarantee.</p> <p>In view of the above, The bidder requested to modify the payment terms as below:</p> <p>i) Mobilization advance equivalent to 30% of the contract price against equivalent amount in the form of Bank Guarantee. (30%)</p> <p>ii) On submission of preliminary charts & survey report after completion of 50% field works (20%)</p> <p>iii) On submission of preliminary charts after completion of 100% field works (20%)</p> <p>iv) On submission of Draft Report (10%)</p> <p>v) On submission of Final Report (10%)</p> <p>vi) On Acceptance of Final Report (10%)</p>	<p>The clause 10.5 (page 56) stands deleted.</p> <p>No change in the payment terms is accepted.</p>
7	Additional Queries	<p>Is the complete waterway, navigable by small draft boat? Our experience in the past had forced us to mobilize the boat at different locations of the River, which means additional Mobilization costs.</p>	<p>National Waterway -3 is navigable and IWAI survey team is regularly conducting survey in the proposed survey area.</p>
8	Additional Queries	<p>We kindly request you to suggest us how do we communicate to IWAI, HO regarding any deviation in terms of the project while in survey on field?</p>	<p>No deviation is accepted. After award of work, Director, IWAI, Kochi will be the Engineer in Charge's representative in the field in respect of this work. However, the contractor may contact him or his surveyors for local assistance/help in completing this survey work.</p>

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B		Fugro Survey (India) Pvt. Ltd., Navi Mumbai	
9	Page - 46 of 67 / Clause 40.1	Payment terms, (i) on submission of preliminary charts & survey report after completion of 50% field work. The bidder has requested for "30% of the total payment along with letter of award.	Please refer item 6.
10	Page - 51 of 67 / Part-III- Clause -4	The Horizontal control is to be made from the charts generated from the satellite imageries. The bidder mentioned that they will follow internationally accepted method for horizontal control using DGPS and correction from the satellite.	Please refer item 2.
11	Page - 51 of 67 / Part-III- Clause -4	The vertical control is to be established with respect to the chart datum / sounding datum already established by iwai. Kindly confirm whether the location with datum value will be provided by client.	Please refer item 3.
12	Page - 52 of 67 / Part-III - Clause -4 b.	For 25 hours, hourly spring neap tidal current observation are to be done. Kindly confirm whether tidal current to be observed for spring and neap or only spring / neap. Kindly suggest the location (Coordinate) and approx. water depth for the same.	The tidal observation is to be observed for both Neap and spring tidal period. The Least Available Depth(LAD) is available in our web site for various period (http://iwai.nic.in/index1.php?lang=1&level=1&sublinkid=81&lid=96) The observations are to be made at Munumbam (4.0Kms), Kochi Port (32.0Kms) in Kottapuram –Kochi stretch and Kayamkulam (151.0Kms) and Neendakara (176.0Kms) in Kottapuram –Kollam stretch as mentioned in the tender clause 4.b at Page - 52
13	Page - 53 of 67 / Part-III- Clause -7.	Specification of Vessels " The vessel should be registered under I.V. Act and should have valid certificate for this contract. The bidder has proposed a suitable survey boat for carrying out the job and requested for confirmation	Please refer item 5.
14	Page - 54 of 67 / Part-III-Clause-6.4	Soil and water sample equipment Soil sample can be collected by a grap: Grap is a typo error or any such equipment is available. Kindly advise on the same. Cc?	It is typo error , the same be read as Grab.

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S. NO.	Clause/ page	POINTS RAISED BY THE BIDDER	CLARIFICATION GIVEN BY "IWAI"
C		WAPCOS Ltd, Gurgaon.	
15	Terms of Payment	It is requested to kindly accept the following terms of payment: 1. Advance payment on award of work against submission of bank guarantee of equivalent amount. (40%) 2. On submission of preliminary charts & survey report after completion of 50% field works. (20%) 3. On submission of preliminary charts after completion of 100% field works. (10%) 4. On submission of Draft Report (10%). 5. On submission of Final Report (10%). 6. On Acceptance of Final Report (10%).	Please refer item 6.
D		Ashliya Consultants Pvt. Ltd., Rohtak	
16	Page - 5 of 67 / Clause-4	The Bidder have lot of experience in Topographical survey but they have executed only one project in Hydrographic survey. The agency wanted to know whether they are eligible for participate the tender.	If the work value of hydrographic survey executed by them is fulfilling the prequalification criteria , they can also participate in the tender.
E		V. Ships India. Pvt. Ltd., Chennai.	
21	Page - 5 of 67 / Clause-4	Experience required for doing the job is considered for jobs only done in India or Abroad jobs also considered.	work experience in both India and aboard will be considered.
F		Strabag India Pvt. Ltd., New Delhi	
23		A) Topographical survey is must 50 mtrs from the Bank of River bank side?	Permenant structures on both banks up to 50 m from the high bank is to be collected and incorporated in the charts and report. No detailed survey is envisaged.
		B)Current metre observation at four location for 25 hrs. (location)?	Current meter observation is to be carried out at sea mouth location as indicated in clause 4.b of Part-III
		C)Total experience only 2 years in Hydrographic survey is it excepted for pre-qualification?	Despite the no of years experience in the field of hydrographic survey, the work value of hydrographic survey will be considered as per prequalification criteria

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G		Seal Eagle Marine Surveys Pvt. Ltd., Navi Mumbai	
24	General	The river survey expenditure for the qualification is to be deleted-instead of hydrographic expenditure is to be considered.	Hydrographic survey carried out in sea will also be considered.
H		Correction & Modification in Tender documents	
25	Page 5/clause 4.IV.C	One similar work completed not less than Rs.252.0 lakhs	To be corrected as one similar work completed not less than Rs.25.0 lakhs.
26	Page-52/clause 4.C	Cross-section sounding lines are to be run from bank to bank at 50m to 300 m interval	the same has to read as "50 m to 150 m"
	Page 54/ clause 6.2	c) Digital echo sounder with recording paper roll is required to be used. The same is to be submitted along with the digital data.	The contractor has to conduct bar check before commencement and after completion of bathymetric survey on a daily basis using recoding paper roll. The paper roll need not be used for bathymetric survey
27	Page-54/Clause 6.4	Soil sample can be collected by a "grap"	typographical error . The same may be read as grab
	Page-54/Clause 7 (ii)	Time schedule	Shall be corrected as "the contractor should complete the mobilisation of equipment and manpower completely within 15 days from zero date"
	Page-54/Clause 7 (iv)	Time schedule	Shall be corrected as " the actual field survey work should be completed within 4month from the date of commencement or 5 months from the date of issue of work order which ever is earlier.
28	Page-54/Clause 7.4.IV	The actual survey work should be completed within 4 months for NW-3 after commencement of work	The actual field survey work should be completed within 5 months from the date of issue of work order.
29	Page-54/Clause 7.4.V	The Draft Report of surveyed area should be made available within 30 days of Submission of Inception Report.	The Draft Report of surveyed area should be made available within 30 days from the date of completion of field survey work
30	Page-54/Clause 7.4.VI	The Final Report of surveyed area should be made available within 30 days of Submission of Draft Report.	The Final Report of surveyed area should be made available within 30 days from the date of issue of comments by IWAI.

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31	Page 56/ clause 10.5	initial payment to the contractor for the cost of mobilization	Deleted
32	Clause 3.5 to 3.7 & 5.3	clause regarding dredging work under security deposit	Deleted
33	Page 58/BIQ	PART - IV SCHEDULE OF QUANTITIES	The bidder has to quote for unit rate for entire waterway. Accordingly, the Bill of Quantity is modified and the same may be downloaded for submission. The length of river stretch is not criteria The bidder has to quote for line-kms only.
34	Part-III/Clause 4.e	Modification / addition to ToR	If Island or sand chure exist in the middle of the river, spot levels on the same spacing should be taken and indicated in the charts along the same cross section line.
35	Part-IV	Excess of work quantity.	The estimated quantity of work is 2200 line Kms. If there is a tendency to exceed the estimated line kms, the contractor shall take prior approval of IWAI before undertaking survey for he excess quantity.

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Table: Charts limites with Average width of river

Appendix

Location	Position		Location	Position		Average width of river m
	From	Lat Long		To	Lat Long	
West Coast Canal						
Kottapuram(0.0 km)	10-11-39.923N	76-12-36.667E	Kochi port(33.0 km)	9-58-07.407N	76-15-17.221E	941.00
Kochin port(33.0 km)	9-58-07.407N	76-15-17.221E	Punnamada jetty(92.5 km)	9-31-29.168N	76-21-27.196E	2070.00
Punnamada jetty(92.5 km)	9-31-29.168N	76-21-27.196E	Alappuzha(95.5 km)	9-29-55.119N	76-21-20.369E	2138.00
Alappuzha(95.5 km)	9-29-55.119N	76-21-20.369E	Thandapra(119.25 km)	9-20-48.600N	76-25-44.066E	173.44
Thandapra(119.25 km)	9-20-48.600N	76-25-44.066E	Arattupuzha(136.0 km)	9-14-37.040N	76-25-10.036E	57.16
Arattupuzha(136.0 km)	9-14-37.040N	76-25-10.036E	Ponmana (164.5 km)	9-01-03.374N	76-31-23.096E	375.00
Kannittathuruthu(164)	9-00-58.763N	76-31-24.871E	Muduvilabhagam(171.0 km)	8-57-38.593N	76-32-24.150E	61.00
Muduvilabhagam(171.0 km)	8-57-38.593N	76-32-24.150E	Kollam(181.0 km)	8-54-04.707N	76-35-14.607E	1380.00
Champakara canal						
Indira Gandhi Bridge (7.5 km)	9-55-54.424N	76-17-41.957E	Chithra Puzha Rail Bridge (24.0 km)	9-58-21.169N	76-21-37.995E	328.00
Udyogamandal canal						
Kochi Port (0 km)	9-58-07.366N	76-15-17.253E	Pathalam Bridge (25.0 km)	10-04-55.583N	76-19-05.016E	322.83

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Tender Inviting Authority: Inland Waterways Authority Of India Noida(UP)

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Name of Work: Detailed Hydrographic Survey in National Waterway -3

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Contract No. IWA/Hy/1(13)/B2B/2013-14

 HELP

Bidder Name:

PRICE SCHEDULE

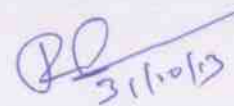
(This BOQ template must not be modified/replaced by the bidder and the same should be uploaded after filling the relevant columns, else the bidder is liable to be rejected for this tender. Bidders are allowed to enter the Bidder Name and Values only)

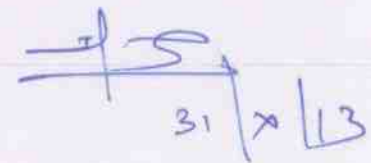
Sl. No.	Item Description	Item Code / Make	Qty	Units	Basic Price (in. Rs.)	Tax & Duties	Amount (P8*D8) In Rs. ()	Total Amount In Rs. (G8+H8)
1	2	3	4	5	7	8	13	16
1.00	To carry out detailed Hydrographic survey including, bathymetric, topographic survey, traversing, water level observation, collection of 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 as per TOR. Kottappuram to Kollam including Champakkara and Udyogamandal Canal	item1	2200.00	Kms			0.00	0.00
***Total in Figures							0.00	0.00

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