

**Name of work: Tender for "Extension of River Information Service(RIS) system in Patna Varanasi stretch and providing V Sat Connectivity to RIS stations.
Minutes of Pre-Bid meeting held on 28.8.2015.**

S. NO.	Clause/ page/Item	POINTS RAISED BY THE BIDDER	CLARIFICATION GIVEN BY "IWAI"
I		Elcome Integrated System Pvt Ltd,Mumbai	
1.	Page 8, EMD	<p>EMD As the EMD amount for schedule A is 17 lakhs and Schedule B is 4.5 lakhs, request IWAI to kindly accept the complete 17 and 4.5 Lakhs in the form of bank guarantee from any scheduled/nationalized bank valid for 6 months .</p> <p>Kindly be noted that DD will incur the huge interest for 6 months, therefore kindly accept the full EMD in the form if BG.</p>	<p>The work of Schedule B is now removed. EMD for schedule A only to be given. EMD is not acceptable in the form of Bank Guarantee. The amendments to the tender documents are placed at Annexure-1.</p>
2.	Schedule A & B	<p>It is understood that tender is for Schedule A & B as follows: A)Extension of River Information Services (RIS) System in Patna-Varanasi Stretch of NW – I B) Providing V Sat connectivity to existing RIS stations in Patna-Haldia. In this regard we have the following queries: 1. Can a single bidder quote for either schedule or they have to quote for both the schedules A &B? 2. Whether there will be different marking criteria for schedule A & B if quoted separately. 3. Area of evaluation indicated in the tender document fits to Schedule A. 4. If the marking criteria for schedule B is different in that case the area of evaluation has to be as per the VSAT system and integration of VST network. Kindly confirm.</p>	<p>The work of Schedule B is now removed.</p>
3.	14	<p>Technical Compliance sheet There is no excel sheet available for technical compliance sheet with the documents downloaded from e-tender portal. Kindly confirm</p>	<p>Yes. Now uploaded in the excel format. The same may be filled & uploaded on e-portal.</p>

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4.	21	Area of evaluation We would like to know why the marks for AIS system at C (iii) is given only 16, whereas the core equipment of RIS system is AIS Transponder only. AIS is the main equipment being used for monitoring the coastal AIS around the world and RIS is the sub system of coastal AIS. Therefore we request that any Coastal AIS monitoring related projects should be given maximum weightage (i.e. 20 Marks) towards the past experience.	The overall RIS system, though has AIS as one subsystem, is different from coastal AIS. AIS is only for tracking purpose whereas RIS is like VTS (Vessel Traffic Service) for Inland Navigation.
5.	24	Integrity Pact In case single bidder is quoting for both the schedules (A&B), whether single integrity pact will suffice in that case.	In view of removal of schedule B, query is now not relevant.
6.	34	Subletting the contract We request IWI to kindly allow subletting towards O&M and security. In simple words to subcontract the O&M and security works.	Clause stands
7.	Page 19, 11, financial bid, vi)	Road permit, way bill We would request IWAI to provide the waybill however necessary follow-up for obtaining the same from concerned authority/department will be done by contractor.	Clause stands
8.	Page 36, 14	Payment Terms: IWAI is requested to kindly accept the payment terms as follows: 1. Schedule C (Operation & Maintenance) - Quarterly basis after deployment of the manpower as the payment to the engineer, operators and securities will have to be paid immediately by the contractor after deployment. 2. Schedule D, CAMC - Quarterly basis as per the standard payments terms of AMC acceptable to other government organizations are quarterly basis	Clause stands
9.	53	Clause 10 We request IWAI to specify the test certificate to which the lightening arrestor would need to comply. This is required to have the clear parity between bidders.	Clause is clear. Manufacturer test certificate is to be submitted.
10.	60	Clause 18 ,Instead of 2 AC we would recommend to use total three ACs . The equipment porta cabin would need 2 ACs as they have to be operated 24Hrs to maintain the temperature. If there are two ACs they can be used shift wise.	Control station at Varanasi shall have 3 ACs and Base stations shall have only two ACs.

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11.	60	Clause 21 In order to indicate the recurring lease line charges during O&M in BOQ, kindly have the provision in BOQ.	BOQ modified
12.	64	Clause 1 iii This section mentions "8 Porta cabin (2X5)". We request IWAI to please elaborate 2X5 mentioned in this section.	Please read 8 Porta cabin (2x4) in place of 8 Porta cabin (2X5)
13.	66	Clause 1 Vi b) Under Leased line connectivity, it is mentioned "The lease line is to be provided between base station and control station at Patna only". We request IWAI to please elaborate this.	The sentence is not relevant and deleted.
14.	67	Clause 2 i Since the CROP server would be installed inside the rack, we recommend to have one 19" monitor connected to a KVM. The requirement to have 24" and 52" monitor may therefore be please reviewed/removed.	In order to maintain the continuity with RIS Phase-I & II, the requirement stands
15.	67	Clause 2 iii The note in this section suggests that redundancy is required and standby server would be a hot standby. Please note in the current tender, control station is only one (1), therefore, is IWAI looking at the hardware configuration of Web & Time server to be in Hot standby or the software installed in the system. As far as the quantity of Web & Time server in BOQ is concerned, it is mentioned only 1. Please confirm. Request IWAI to elaborate this statement.	A hot stand by set up for both hard ware and software is required. Please read the modified BOQ.
16.	67	Clause 2 Since the servers would act as heart of the network wherein AIS messages are processed, we recommend the servers to cater to the following. Dual redundant hot standby power supply for each of the server thereby reducing downtime of the server. Hard disk so as to cater RAID 5 in order to avoid data loss.	Hard disk shall be RAID 5.
17.	101	Clause 1.05 of BOQ This section mentions Operator display which is 4 in numbers. We request IWAI to please elaborate this requirement. The operator workstation that would be installed in Varanasi control station is already mentioned in section 1.14.	Operator display: Unlike RIS I & II , in this phase, it is planned to monitor the traffic data at Base stations. BOQ modified





		It is understood that internet connection is required at Varanasi control station. We propose to have a firewall between the WAN network of RIS and the internet. Therefore, requirement of installing a firewall at Varanasi control station may please be considered.	Fire wall is to be provided by the bidder.
18.		There is mention of VSAT equipment to be installed at various sites. However, the links that are to be mentioned between any two sites is not mentioned. We therefore request IWAI to explicitly mention the VSAT links to be established between individual sites.	In view of removal of schedule B, query is now not relevant.
19.	BOQ	Schedule A 1. There is no place for entering the leased line recurring cost during O&M 2. There is no column for entering custom duty amount. In Column no 14 of BOQ, only excise duty is mentioned. Column for the custom duty should also be available. 3. There is no column for entering the service tax as the same will be applicable on services charges like installation, testing, commissioning & training and for Schedule AC&AD also. 4. At 1.06 (a) you have mentioned the 512 Kbps VSAT connectivity with equipment, but there is not separate line item towards charges for VSAT Airtime. Kindly have the provision for same also in BOQ. 5. Also, you will need to separate the VSAT for base station and control station as their size is different hence price would be different as well so as their respective air time charges. Hence provision in BOQ to be made accordingly.	(1) to (3) BOQ modified. (4) & (5) In view of removal of schedule B, query is now not relevant.
20.	BOQ	Schedule B 1. Kindly have the provision for entering the charges towards VSAT Airtime separately for 1.01(base station) and 1.02(control station) 2. If the OM is also required for VSAT kindly have the provision for O&M cost also as per the duration required. 3. Provision for entering service tax should be there in the BOQ	In view of removal of schedule B, query is now not relevant.
21.	BOQ, Schedule AC,	Item no 1.20, 1.21 &1.23. We understand that bidder has to enter the values of 2nd, 3rd and 4th year in absolute value not in %age. If so, kindly modify the BOQ.	BOQ modified





22.	70,Schedule AC	Supply of Diesel for Genset at Base stations and Control station during O&M period It would be difficult to provide and arrange the diesel during O&M, therefore it is requested IWAI to supply the diesel from your end and make it available at base station and control station.	Clause stands.
23.		Submission date Submission date may kindly be extended by another 3 weeks i.e. up to 9.10.2015	Extended to 16.11.2015
24.		Please confirm if our below understandings are correct i. Base stations will communicate to their respective Control stations. ii. Base stations will not communicate to each other. iii. Control stations will communicate to each other.	In view of removal of schedule B, query is now not relevant.
25.		In Schedule AA, 4 VSATs has been asked. Please clarify are all 2.4 mtr sites or any of site needs to be on 3.8 mtr.?	VSAT Requirement is removed. Please refer the modified BOQ.
26.		IWAI has asked for training on proposed system. Is training required on VSAT solution proposed?	VSAT Requirement is removed. Please refer the modified BOQ.
27.		We request IWAI to include VSAT training charges as separate line item in BOM for bidders to quote the same separately and to have clear parity between bidders.	In view of removal of schedule B , query is now not relevant.
28.		We request IWAI to let us know manpower requirement in detail for VSAT solution	
29.		We request IWAI to include Manpower charges as separate line item in BOM for bidders to quote the same separately and to have clear parity between bidders	
30.		a) Earthing / Lightning Protection: The contractor shall ensure sufficient measures for earthing and lightning protection. Maintenance free chemically treated earth pit as per prevailing BIS/BSEB specifications shall be provided. Please allow, "chemical earthing system of earth rod of UL listed 8 feet long 14 mm dia 250 microns copper bonded steel rod along with 50 kgs of resistance lowering grounding minerals to enhance the ground soil conductivity. The earth rod shall have the UL number embossed on the earth rod. The resistance lowering grounding minerals shall be tested & certified by NABL accredited laboratory for an resistivity value of 0.12 ohm per mtr as per IEEE 80-2000 (Clause 14.5 d) standard."	Clause is very clear as indicated against sl no 9

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		<p>b) Earthing / Lightning Protection: Physio electric type of lightning arrester is to be provided for protecting the equipments, mast, light structures against lightning.</p> <p>Can we consider "Physio Electric Type" as "ESE type with the Level 1 protection of minimum 30 mtrs radius".</p> <p>Please note: The ESE lightning arrester shall be tested & certified from any ILAC/IEC/IECEE/IEEE/UL accredited laboratory as per NF C 17 102 standard. Also the ESE lightning arrester will be supplied along with "Country of Origin" certificate. CPRI test certificate for the ESE terminal for an impulse current of 45 KA. The ESE air terminal will be non-electronic type and will not depend on any electronic circuits, solar cells and any transducers for the proper functioning of the product.</p>	Clause is very clear
31.		VSAT/Satellite Bandwidth shall be provided directly to IWAI, by the VSAT Service Provider's Licensee company	In view of removal of schedule B, query is now not relevant.
32.		IWAI needs to sign a Shared Hub Services (SHS) agreement with the VSAT Bandwidth provider. This is mandated by DoT, Govt. of India	
33.		DoT/WPC Revenue share charges on the Bandwidth shall be extra as per prevailing rates	
34.		VSAT Hardware and Services (other than satellite bandwidth) can be supplied by the bidder	
II		HCL, Noida	
35.		<p>Please confirm if our below understandings are correct</p> <p>i. Base stations will communicate to their respective Control stations.</p> <p>ii. Base stations will not communicate to each other.</p> <p>iii. Control stations will communicate to each other.</p>	In view of removal of schedule B, query is now not relevant.
36.		How many Base Stations in Phase 1 and Phase 2	
37.		How many Control Stations in Phase 1 and Phase 2	
38.		How many Base Stations in Phase 3	





39.		The VSATs has been asked for Base stations only. Which site will act as control centre for these sites. In which schedule the Phase 3 control site VSAT has been asked for?	
40.		In Schedule AA, 4 VSATs has been asked. Please clarify are all 2.4 mtr sites or any of site needs to be on 3.8 mtr.?	In view of removal of schedule B, query is now not relevant.
41.		IWAI has asked for training on proposed system. Is training required on VSAT solution proposed?	
42.		We request IWAI to include VSAT training charges as separate line item in BOM for bidders to quote the same separately and to have clear parity between bidders.	
43.		We request IWAI to let us know manpower requirement in detail for VSAT solution.	
44.		We request IWAI to include Manpower charges as separate line item in BOM for bidders to quote the same separately and to have clear parity between bidders.	
III		HUGHES, GURGAON	
45.		Suggest that the VSAT requirement for all three phases of project (schedule A and B) may be combined in to one tender for the following advantages . (a). BW contract needs to signed with the service provider only hence IWAI may end up signing multiple contract with different ISPs which would become a cumbersome to manage and costly. (b).IWWAI Can take advantage of Pool BW instead of site wise Bandwidth. Please note that the site wise Bandwidth would cost 4-5 times of pooled Bandwidth . In a pooled scenario, Bandwidth calculated considering rate of failure of primary terrestrial network and usage concurrency among all sites to decide the total requirement of BW which is shared among all sites . This method would be highly economical in a backup scenario.	In view of removal of schedule B, query is now not relevant.
46.		VSAT bandwidth requirement period needs to be defined	
47.		Pre-qualification Technical evaluation criteria is specific to AIS /RIS system integrators, not suitable for VSAT operators to BID , Hence request to modify to suit the VSAT service providers. Clause C.- Past experience on undertaking similar works “ D.i-vi” and D- Solution Proposed “D6” needs suitable amendments to include VSAT service providers directly.	

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48.		Payment term of 65 % and rest after acceptance and installation is too much of exposure for the bidders, We request change this 90% on delivery and 10% on installation and commissioning.	Clause stands.
49.		Include a deemed installation clause meaning in the event of site is not provided or not ready even after a month of delivery , the balance payment should be released against submission of 6 months bank guarantee for balance amount .	Not accepted.
50.		Payment terms for the recurring bandwidth charges should be defined .	In view of removal of schedule B, query is now not relevant.
51.		Alternatively it is suggested that IWAI may combine the VSAT BW requirements also in the schedule –A or advise the schedule –A vendor to essentially to quote for schedule B with VSAT service provider on pool BW such that IWWAI gets one SI vendor for entire system also get VSAT connectivity for all projects from a single vendor and take the advantage of Pool Bandwidth as well.	
IV RECKTRONIC DEVICES & SYSTEMS, PUNE			
52.	13.20 ,Page23	The Authority reserves the right to place order for additional quantity on same terms and conditions and at the approved price. The successful. Tenderer shall be bound to supply and carry out the work without increasing the cost and imposing any condition. Please provide the percentage limit of increase / decrease in the quantities	Increase 10% of quantity and decrease shall be need based.
53.	14.a.i, Page 38	65% (sixty five percent) of the supply value (Schedule A & B) will be paid within 30 days of delivery in good condition Please confirm that the same shall be on pro rata basis as per the payment terms on delivery/installation/commissioning of the equipment's at individual sites.	Clause stands
54.	14.d, Page 39	RELEASE OF PERFORMANCE GUARANTEE AND SECURITY DEPOSIT. Please accept 3 Performance Bank Guarantees for amounts equivalent to the annual cost of the AMC and one per year to be released on successful completion of the annual CAMC obligations	Clause stands

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55.	5.4 Page 50	<p>Seamless data information & also voice compatibility AA.</p> <p>1. Please provide the data format, protocols, communication protocols available in Phase 1 for transferring voice & AIS data.</p> <p>2. Please provide make & model no. of Hardware (VHF Transceiver, AIS Base Station, ROIP Gateway, router, switch) & Software utilised for VHF communication in previous RIS works in NW-1</p> <p>3. Please confirm the availability of technical support from existing solution provider for completed works with regards to VHF & AIS data integration in the new work.</p> <p>5. Please confirm in case of any hardware configuration (router etc.) changes, required support shall be made available from the implementation vendor.</p> <p>6. Please confirm that the above shall be available on no cost basis to the successful bidder from existing vendors.</p>	<p>(1) AIS protocol : AIVDM</p> <p>(2) No separate protocol for VHF.</p> <p>(3) For details bidder may visit one of the operational site with prior permission.</p> <p>(4) Please refer para 4 /page 50 of tender document.</p> <p>(5) to (6) as per tender .</p>
56.		<p>1. Please elaborate in detail regarding customer concept/ expectation / operation methodology with regard to</p> <p>a. AIS operations at 17 locations .e.g. with reference to monitor / control etc.</p> <p>b. VHF operations at 17 locations. e.g. with reference to monitor / control etc.</p> <p>c. Communication operations at 17 locations. e.g. with reference to monitor / control etc.</p> <p>Please note the above shall be critical in system design</p>	<p>It is as per international practices. The tender document clearly describes the objective which shall be imparted as per the international practices.</p>
57.	9 Page 53	<p>The software manual should be supplied original</p> <p>We understand the manuals referred are operator Manual of RIS operator console. Please confirm our understanding is correct?</p>	<p>Clause stands</p>
58.	13 Page 54	<p>Pre-Commissioning Trial. Chairman IWAI along with a team of officers shall inspect the complete system in fully working condition before inauguration and functioning RIS system after installation.</p> <p>Please confirm if this trial is the one that will be used for the payment or trial prior to inauguration as per clause 14 (a) (ii) as on Page 38 of tender document</p>	<p>Not related with payment</p>
59.	17 Page 59	<p>Insurance upto installation & commissioning. Please clarify if insurance for the equipment is to be provided in O&M / CAMC period.</p>	<p>No.</p>

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60.	16.1, 16.2 Page.58, 59	If the supplier fails to complete the work of installation , commissioning and training of the system mentioned in Clause- 13 above or at any time repudiates the contract before the expiry of such period, the Authority may without prejudice to its right, recover damages for breach of the contract damages equivalent to 0.5 % of the contract price against each delivery schedule mentioned in clause 13.(d) sl.no.4,6,7&9 per week/part of week delay subject to maximum of 10% of the contract price Please consider the maximum limit for LD as 5% as is the case with most similar contracts.	Clause stands
61.	16.2 Page.59	The Contractor shall pay a sum equal to 0.05% of the O&M and CAMC cost of the value of agreement for each day, if the station is not maintained or personnel as per Contract are not deployed on every such occasion provided that such sum will not exceed 10% of the Contract value for the site. a. Please define the meaning of “the station is not maintained or personnel as per Contract are not deployed on every such occasion”. b. Please confirm the contract amount referred herein pertains to the CAMC contract value and not total contract value. c. Please consider limiting this to 5% of contract value as is the case with most similar contracts. d. Please provide draft CAMC, O&M document clearly highlighting the scope , expectations, terms & conditions for the same from the contractor. Kindly note this shall be key in quoting for the same	Clause stands Yes Clause stands Clause stands
62.	17, Page.59	For base stations 3 operator and 3 security persons are required. Deployment is for round the clock (24 x7 hrs.). a. Please specify the durations of the shifts per day for all personnel b. Please specify the expected number of personnel per shift i.e. 1.operator/ shift, 2.security/shift	Clause is clear. Operator has to man the system as per international practices.
63.	Schedule B	Installation of VSAT With respect to VSAT installation at all sites please confirm following: 1.The Scope includes only supply of VSAT with end to end connectivity 2.Details of router & free ports available in routers. 3. Availability of Power Supply for VSAT through existing UPS or bidder needs to consider separate UPS for VSAT. If yes please provide rating & specification for the same.	In view of removal of schedule B, query is now not relevant.





		<p>4. Availability of space to install IDU of VSAT in existing rack</p> <p>5. Availability of space for mounting of 2.4 Meter & 3.8 Meter antenna at sites.</p> <p>6. Is the cable tray & space in the cable tray available to route the VSAT cable. (From rack to outside of porta cabin).</p> <p>7. Foundation & other civil work for VSAT installation shall be done by IWAI.</p>	
64.		<p>General Please confirm if the status of following parameter are required to be centrally monitored for all locations</p> <ol style="list-style-type: none"> 1. Power (Electricity board Incoming Supply, DG Set Output, UPS output) 2. Temperature of Porta cabin, Rack 3. DG set diesel level, oil pressure, temperature, frequency. <p>We request for the consideration of the same</p>	Not planned at this stage as all the stations are manned
65.		<p>General Please consider inclusion of following for a better solution</p> <ol style="list-style-type: none"> 1. IP Camera for porta cabin 2. Access control system 3. Fire alarm system 4. Appropriate fire extinguishing equipment's 5. IP Phone at all stations for voice communication <p>We request for the consideration of the same</p>	Not planned at this stage. May be considered subsequently.
66.	1.(vi), Page 65	<p>Wide Area Network VSAT Please confirm that the star topology is being considered for the VSAT network. The same shall be sufficient and also more cost effective. Also in case of star topology VSAT antenna of 1.2/ 1.8 m size in Extended C band shall be usable as compared to 2.4m/3.8m being currently considered</p>	In view of removal of VSAT, query is now not relevant.
67.	1.(vi)(a), Page 65/66,	<p>Mesh Modem Please elaborate on the specifications of the mesh modem (in our experience there is no such type of modem, as mesh refers to the network topology)</p>	
68.	1.(vi), Page 66	<p>UPS Please clarify if the UPS is needed to be LAN compatible</p>	It will be considered as additional feature
69.	1.(vi), Page 66	<p>DG Set Please clarify if the DG set has to be provided with acoustic enclosure</p>	Yes. Required as per the Govt statutory rule.(GSR)
70.		<p>DG Set Diesel Please confirm that the diesel for the DG Set shall be provided as per requirement and consumption at site by the IWAI</p>	Clause stands.

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71.		Lightning Protection Equipment Please provide the protection rating / specifications / design	Clause is clear
72.		Earthing Please provide the protection rating / specifications / design	Clause is clear
73.	5.14.1, Page 56	Locations of the Base Station Installations for VSAT connectivity Please provide the latitude and longitude of the locations for VSAT Installations	In view of removal of schedule B, query is now not relevant.
74.		General We understand that the equipment will be installed at various locations. However, please clarify the billing address for the equipment. The same is important for tax calculations.	Bill will be raised in favour of IWAI, Noida and submitted to Noida with due certification of respective field Director.
75.		General The specs indicated in the tender are just basic. The proposal needs in-depth study, analysis and system design so that an optimised cost effective solution is worked out. It also needs coordination with foreign and Indian vendors, hence we request that the bid submission date be kindly extended by minimum 15 days	Extended up to 12.10.15 16.11.15
76.	Point 3, Page 5	Sites being scattered and remote, Please extend the period of completion of the VSAT equipment at various site to 6 months	Clause stands. In view of removal of V-Sat, query is not relevant.
77.	Page 9, 10	Tenderer shall be OEM or their authorized agents or Joint Venture (JV) or an Indian lead firm supported by OEM (another firm (s)) (Indian or Foreign). Experience of individual firm of the JV will also be considered for evaluation. Lead partner should be clearly defined who should have 51% equity and experience in the field of work as defined in the clause 10.x. The specifics may be kept as RIS1 and RIS 2 tender in order to ensure the same successful modus operandi and continuity of participants	Clause stands. Also see Annex. 2.

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V	ROLTA INDIA, GURAGAON		
78.	14(i)/Page 56	(v) Leased Line - Wide Area Network (WAN) Note: "Location may vary depending upon availability of land within a radial distance of about 5 Km. The position of stations will be informed at the time of award of Work." Kindly provide the exact locations (along with LAT & LONG) of the base station sites and control room along with Pin code and address for appropriate costing for transportation, erection, fabrication cost and establishment of leased line and VSAT.	Details given in document
79.	7.1/Page 62	1. Base Station i) AIS Base Station in Hot Standby Mode 3 Receivers and one transmitter Please elaborate.	Tech specs of AIS Base station. Clause is clear
80.	7.1/Page 62	i) AIS Base Station in Hot Standby Mode For AIS Base station, Hot standby mode is to be considered Please clarify whether bidder should supply completely 2 different sets of AIS Base Station as hot standby mode, or same unit with additional redundant cards could be supplied?	The contractor shall supply completely 2 different sets of AIS Base Station as hot standby mode (1+1)
81.	7.1/Page 62	1. Base Station v) Operator Display at Base Station Please provide detailed specifications of Window PC. Would it be connected to one single 21' Display and same extended to 32' LED Display? Please clarify	Please refer the modified BOQ. PC with 24" LED Display only.
82.	7.1/Page 62	1. Base Station vi) Wide Area Network (WAN) (a) VSAT Connectivity (512 Kbps scalable) Does IWAL have satellite and allocated info for VSAT link budget purpose? As for Schedule "A" it specifies 512 scalable which means $512 \times 4 = 2048$ kbps up and 2048 kbps DOWN or there is contention ?	In view of removal of schedule B, query is now not relevant.

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83.	10.x/page 17	<p>10. Technical Bid (x) The similar work means, Works successfully completed on Supply, Installation and Commissioning of (Overall Maintenance, Security & CAMC) for RIS system OR Vessel Traffic Service (VTS) or Vessel Traffic Management System (VTMS) or AIS Network or / VHF Transmitter network. Automated Vehicles Tracking System is not included in the 'similar work' in this paragraph. However, in area of Evaluation (Page 21) sl.no. C "PAST EXPERIENCE on undertaking similar works" specifies Automated Vehicles Tracking System in point (iv). The same was considered in the RFP for RIS phase-1 & phase-2 Kindly include the Automated Vehicles Tracking System in similar work.</p> <p>Suggested Clarification: The similar work means, Works successfully completed on Supply, Installation and Commissioning of (Overall Maintenance, Security & CAMC) for RIS system OR Vessel Traffic Service (VTS) or Vessel Traffic Management System (VTMS) or Automatic Vehicle Tracking system or AIS Network or / VHF Transmitter network.</p>	<p>Page17, Clause 10.(x) : (x) The similar work means, Works successfully completed on Supply, Installation and Commissioning of (Overall Maintenance, Security & CAMC) for RIS system OR Vessel Traffic Service (VTS) or Vessel Traffic Management System (VTMS) or AIS Network or / VHF Transmitter network or Automated Vehicles Tracking System</p>
84.	2/Page 67	<p>2. Control station servers i) Central RIS Operating Processor (Application cum Data base Server)</p> <ul style="list-style-type: none"> • 24" LED Display for operator console • 52" Large Format Display. <p>Please confirm whether the bidder need to supply dedicated 24" LED display and 52" Large Format Display size both for Central RIS Operating Processor or 52" Display is for Workstation and 24 " for RIS Processor ?</p>	<p>24" LED Display for work station and 52" LFD for control station</p>
85.	2/Page 67	<p>Note: The servers configuration based on the design of the data base and application of software for compatibility and effective working environment. One web server is the main server and the other one is the back up. Redundancy required & the stand by server would be a hot standby. Can we change or size specifications of the servers based on the RIS application proposed?</p>	<p>Clause is clear.</p>
86.	VI/page 69	<p>(vi) General Features for RIS Software/ Application Note: ENC shall be provided by IWAI Will IWAI provide ENC Chart data or ENC Server?</p>	<p>IWAI will provide ENC chart data.</p>
87.	NIT/Page6	<p>Bidder has option to quote for both the schedules separately in Indian currency only. Does bidder have option to quote only for Schedule A?</p>	<p>In view of removal of schedule B, query is now not relevant.</p>

Handwritten signatures and initials in blue ink.

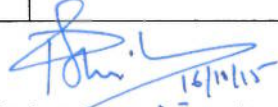
88.	Cl.7/P.8	<p>The bidder shall furnish as part of its tender, EMD of Rs 17.0 lakh /- for schedule A and Rs.4.5 lakhs for schedule B. The EMD shall be drawn in the form of Crossed Demand Draft (DD) from any Nationalized/ Schedule bank (Schedule I & II as per RBI guidelines) in favour of “.....I.</p> <p>A part of earnest money is acceptable in the form of bank guarantee also. In such case, minimum 50% of earnest money shall have to be deposited in shape prescribed above, and balance may be deposited in shape of Bank Guarantee of any scheduled bank having validity for six months or more from the last date of receipt of bids which is to be scanned and uploaded by the intending bidders.</p> <p>Please confirm whether whole EMD amount i.e. Rs 17.0 lakh /- for schedule A and Rs.4.5 lakhs for schedule B can be accepted in the form of BG.</p> <p>Request to provide us the Bank Guarantee format for submission of Bank Guarantee.</p>	Clause stands. Please also refer amendments at Annexure-1.
89.	VIII/Page28	<p>List of Spare parts & consumables for all equipment for 3 years operation, after warranty, along with their quotation & source on unit rate basis; all inclusive for delivery at “Authority” Regional offices as indicated in the delivery schedule. The list should be based on historic figures for which a detailed commentary shall be submitted by the Tenderer. The cost of spares indicated shall not be considered for commercial evaluation. We understand that cost of spares to be provided along with the bid. However there is no option given to quote cost of spare in BOQ excel. Request you to please clarify.</p>	The same is not required in BOQ format. Should be submitted in a separate cover with the Technical bid
90.	Cl14.A(b)/ P.39	<p>PAYMENT FOR OVERALL MAINTENANCE, OPERATION AND SECURITY OF RIS SYSTEM FOR A PERIOD OF ONE YEAR (Schedule AC)</p> <p>We request to consider the payment on quarterly basis instead of half yearly payment.</p>	Not accepted
91.	Cl14.A(c)/ P.39	<p>PAYMENT FOR CAMC SYSTEM FOR A PERIOD OF THREE YEARS (Schedule AD & BB)</p> <p>We request to consider the payment on quarterly basis instead of half yearly payment.</p>	Not accepted. Schedule B is removed.

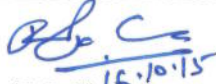
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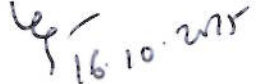
92.	Cl.3/p.70	Overall Maintenance, Operation & Security of RIS system per year, IWAI will reimburse the actual cost of diesel for generator on actual certification by field director It will be difficult to provide and arrange during Operation and maintenance therefore it is requested IWAI to supply diesel from your end make it available at Base Station and Control Station.	Not accepted.
VI.		TRANSAS INDIA, MUMBAI	
93.		Please suggest if we can quote for only schedule A that is RIS system?	In view of removal of schedule B, query is now not relevant.
94.		In the evaluation criteria (page 21) at point B1 its mentioned as certain marks for "Special Features" and at point D6 its mentioned as certain marks for "Any additional features...". Please note that both these markings are highly subjective and is reducing "transparency" of the tendering process. We request that both these statements should be omitted as an addendum. Further if IWAI want to provide certain technical score towards special and additional features then all these features should be listed separately with marks for each of such feature. Then the bidders will agree for the features one by one and accordingly the marking shall be done.	In B3, the clause "and special features" is deleted. Evaluation criteria D7 "any other features which enhances the value of the system" stands
VII.		Essel Shyam , Noida	
95.	Power Supply	Kindly confirm the availability of stable power supply at the VSAT installation sites.	State Electricity Board main supply alongwith standby Gen set .(provided by IWAI)
96.	Modem	Can a hybrid modem be supplied as an alternative for mesh modem. Please note that a hybrid modem will reduce the size of the required antennae considerably thereby reducing the overall cost. Request you to revise the technical specifications accordingly.	In view of removal of schedule B, query is now not relevant.
97.	Cable length	Kindly specify the length of the cable required at the installation sites	
98.	BUC capacity	Can the supplier offer BUC of higher capacity than 5W? If yes, the technical specification should read "5W or more" instead of just "5W".Request you to consider and revise the technical specifications accordingly.	
99.	Modem interface	Kindly specify the interface of the modem required. Please note that the price of the modem varies depending on the type of interface.	

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100.	Type of mount	Kindly specify the type of mount required for the antennae. Is it non-penetrating mount or pedestal mount?	In view of removal of schedule B, query is now not relevant.
101.	Antennae motorization	Kindly specify if motorization is required for the antennae.	
102.	De-icing equipment	Should the supplier offer De-icing equipment for the antennae?	
103.	Bandwidth scalability	Kindly specify the bandwidth upto which the VSAT connectivity should be scalable?	
104.	Rack for IDU	Kindly clarify if the rack for mounting of IDU shall be provided by the purchased or by the contractor.	
105.	Applicable Tax	As per the commercial bid format provided in the tender document, the price for supply of equipment, installation and commissioning has to be offered combined in a single cell. In such a case, we believe Work Contract Tax (WCT) shall be applicable instead of excise and VAT. Request you to revise the format accordingly.	
106.	Man power requirement	Kindly specify if man power is required to operate the VSAT equipment. As per our experience, VSAT equipment are capable of autonomous operation for several days and do not require man power for operation. However, maintenance services shall be provided. Request you to consider and revise the clause accordingly.	
107.	Bandwidth Charges	Please note that bandwidth price is a recurring charge and hence it cannot be combined with Schedule BA of the Bill of Quantities. We request you to revise the current BOQ and add bandwidth as a separate component.	


 (Cdr. P.K. Srivastava)
 Hydrographic Chief


 (R.P. Khare)
 Member (Technical)


 (Pravir Pandey)
 Member (Finance)

Name of work: Tender for "Extension of River Information Service (RIS) system in Patna Varanasi stretch in National Waterway -1. Amendments to Tender document

Sl No	Page /Clause	Existing				Modification/Read as
1.	Page -2/Title	Schedule B: Providing V Sat connectivity to Existing Stations in Patna-Haldia stretch				Deleted
2.	Page-4/NIT Page5/EMD Page16/10.(ii) solvency Page- 17/10(xii)Average Annual Turnover & pre-qualification work value	Providing V Sat connectivity to Existing Stations in Patna-Haldia stretch (3) Last date of submission is up to 1500 hrs on 18.9.15. (4) Date of opening:-18.9.15 at 1530 hrs				Deleted (3) Last date of submission is up to (4) Date of opening:- 16.11.15 V Sat connectivity proposed in schedule is removed. Accordingly value of EMD, Bank Solvency, Annual Turnover and prequalification work value is now changed as below; 1) EMD-Rs.15.70 lakhs 2) Bank solvency –Rs.315 Lakhs 3) Average Annual Turnover-Rs.785 lakhs 4) Value of prequalification works:- a) 3 similar work-Rs.313 Lakhs b) 2 similar works –Rs.470 Lakhs c) 1 similar work-Rs.627 lakhs
3.	Page 5 / EMD	B	Providing VSat connectivity to existing RIS stations in Patna-Haldia.	13	4.5 lakhs	Schedule B deleted. EMD for schedule A -15.70 lakhs

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Sl No	Page /Clause	Existing	Modification/Read as
4.	Page5/Clause 3	Schedule B: The delivery period shall be 2 months from the date of issue of order. The installation & commissioning shall be 2 months from the date of delivery or one month after hand over the site whichever is later.	Deleted
5.	Page-5 /NIT/ clause -6	Bidder has option to quote for both schedules separately in Indian currency only.	Bidder has to quote in Indian currency only.
6.	Page7/clause -1(B) "Providing of V Sat Connectivity to existing RIS stations in Patna-Haldia" Stretch of NW – 1",.....	Deleted
7.	Page-8/Clause-7 and Rs.4.5 lakhs for schedule B.	Deleted. EMD for schedule A -15.70 lakhs
8.	Page-9/Clause -8	Submission of bid: Para-2 However, the successful bidder is required to submit proof of registration of JV before award of work.	Please refer the annexure-2
9.	Page-10/Clause -8.a	Lead partner should be clearly defined who should have 51% equity and experience in the field of work as defined in the clause 10.x.	Lead partner should be clearly defined who should have 51% equity and experience in the field of work as defined in the clause 10.(x), (xi) & (xii).
10.	Page 14 /Clause 8.2 t) Page 15 Clause 8 (B) " Tender for providing V Sat Connectivity to existing RIS stations in Patna-Haldia stretch (B) " Tender for providing V Sat Connectivity to existing RIS stations in Patna-Haldia stretch	Deleted Deleted
11.	Page-16/cl.10(ii) and Rs.90 lakhs for schedule B.	Deleted

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Sl No	Page /Clause	Existing	Modification/Read as
12.	Page-17/cl.10(x)	The similar work means, Works successfully completed on Supply, Installation and commissioning of (Overall Maintenance, Security & CAMC for) RIS system OR Vessel Traffic Service (VTS) or Vessel Traffic Management System (VTMS) or AIS Network or/VHF transmitter network.	The similar work means, Works successfully completed on Supply, Installation and commissioning of (Overall Maintenance, Security & CAMC for) RIS system OR Vessel Traffic Service (VTS) or Vessel Traffic Management System (VTMS) or AIS Network or VHF Transmitter network or automated Vehicle Tracking
13.	Page-17/cl.10(xii) and Rs.225 lakhs for schedule B.	Deleted.
14.	Page-17/cl.10(xii)	(a) Three similar works each costing not less than: Rs.342 lakhs for schedule A and Rs.90 lakhs for schedule B	Rs.313 Lakh for Schedule A, Schedule B is deleted
		(b) Two similar works each costing not less than: Rs.515 lakhs for schedule A and Rs.135 lakhs for schedule B.	Rs.470 lakh for Schedule A, Schedule B is deleted
		(C) One similar work each completed not less than: Rs.680 lakhs for schedule A and Rs.175 lakhs for schedule B.	Rs.627 lakh for Schedule A, Schedule B is deleted
15.	Page 19/Clause-11 (ii)	The Tenderer shall complete the price schedule (9. Cost Schedule, Schedule-A) included herein stating the unit price and total prices of equipment, complete in all respect, duly complying all requirements, to be supplied, installed, tested and commissioned under the contract	The Tenderer shall complete the BILL OF QUANTITY included herein stating the unit price and total prices of equipment, complete in all respect, duly complying all requirements, to be supplied, installed, tested and commissioned under the contract.
16.	Page 20/Clause 11,xi	along with the Cost Schedule (Schedule - C).	along with the Cost Schedule (Schedule - AD).
17.	Page 21/ Clause 12	B3: Integration with other systems (such as VHF transmitters, weather sensors and AIS base stations) and special features	B3: Integration with other systems (such as VHF transmitters, weather sensors and AIS base stations)





Sl No	Page /Clause	Existing	Modification/Read as
18.	Page 38 / Clause 14 (A) Payment	PAYMENT FOR MATERIAL (Schedule A &B)	PAYMENT FOR MATERIAL (Schedule A)
19.	Page 39 / Clause 14 (C) Payment	PAYMENT FOR CAMC SYSTEM FOR A PERIOD OF THREE YEARS (Schedule AD & BB)	PAYMENT FOR CAMC SYSTEM FOR A PERIOD OF THREE YEARS (Schedule AD)
20.	Page 50/ Clause 3	VSAT Connectivity	The entire clause is deleted
21.	Page53/clause-11	<u>Pre-commissioning trail</u> Chairman IWAI along with a team of officers shall inspect the complete system in fully working condition before inauguration and functioning RIS system after installation	<u>Pre-commissioning trail</u> Chairman IWAI or his representative along with a team of officers shall inspect the complete system in fully working condition before inauguration and functioning RIS system after installation
22.	Page -55/clause-14	<u>Delivery</u> However, VSAT Equipment required for standby connectivity at RIS I and RIS II base stations shall be at Kolkata (7 sets) and Patna (6 Sets).	<u>Delivery</u> Deleted

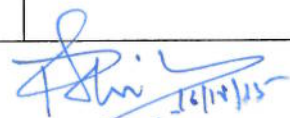
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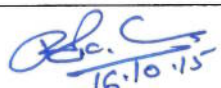
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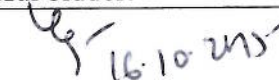
Sl No	Page /Clause	Existing	Modification/Read as																					
23.	Page-55/clause-14	<p>The Break up details of delivery of River Information Services (RIS) at IWAI Patna & Kolkata office is:-</p> <table border="1"> <thead> <tr> <th>Sl. No</th> <th>Delivery at IWAI Regional Offices</th> <th>Quantity</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>The Director, IWAI, IWT Terminal Gaighat, P.O.Gulzar Bag, Patna-800 07 Ph:0612-2630012,2630005,2630114</td> <td>Part of schedule A & B</td> </tr> <tr> <td>2</td> <td>The Deputy Director IWAI, 2nd Floor, Paten Nager, Nadesar, Varanasi-221002 Ph:0542-2505329</td> <td>Part of schedule A & B</td> </tr> <tr> <td>3</td> <td>The Assistant Director IWAI, Durga Asthan, Badi Kanjarpur, Bhgalpur- 812 001 Phe-0641-2401251,2400651</td> <td>Part of schedule B</td> </tr> <tr> <td>4</td> <td>The Director, IWAI P-78,Garden Reach Road, Kolkata-700 043 Ph: 2439-03393/1710/6055/5577,</td> <td>Part of schedule B</td> </tr> <tr> <td>5</td> <td>The Office in Charge IWAI, Fakirtala P.O. Maheshganj Swaroopganj ,Naida-741315 (W.B)</td> <td>Part of schedule B</td> </tr> <tr> <td>6</td> <td>The Office in Charge IWAI, FBP Office Complex P.O.Farakka Barrage Dist. Murshidabad (WB)-742212 Phone:03485-255809</td> <td>Part of schedule B</td> </tr> </tbody> </table>	Sl. No	Delivery at IWAI Regional Offices	Quantity	1	The Director, IWAI, IWT Terminal Gaighat, P.O.Gulzar Bag, Patna-800 07 Ph:0612-2630012,2630005,2630114	Part of schedule A & B	2	The Deputy Director IWAI, 2 nd Floor, Paten Nager, Nadesar, Varanasi-221002 Ph:0542-2505329	Part of schedule A & B	3	The Assistant Director IWAI, Durga Asthan, Badi Kanjarpur, Bhgalpur- 812 001 Phe-0641-2401251,2400651	Part of schedule B	4	The Director, IWAI P-78,Garden Reach Road, Kolkata-700 043 Ph: 2439-03393/1710/6055/5577,	Part of schedule B	5	The Office in Charge IWAI, Fakirtala P.O. Maheshganj Swaroopganj ,Naida-741315 (W.B)	Part of schedule B	6	The Office in Charge IWAI, FBP Office Complex P.O.Farakka Barrage Dist. Murshidabad (WB)-742212 Phone:03485-255809	Part of schedule B	<p>The Breakup details of delivery of River Information Services at IWAI Patna & Varanasi Office: SI No 1&2 : Part of schedule A SI No : 3 to 6 deleted</p>
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24.	Page -55/clause-14	Para-6 IWAI warehouse at the location may be utilised for storage.	IWAI warehouse at the location (Patna) may be utilised for storage.																					
25.	Page - 56 /Clause -14 (ii)	THE LOCATION OF INSTALLATION OF Vsat stations SYSTEM under schedule B (one set for each location):-	Clause Deleted																					

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Sl No	Page /Clause	Existing	Modification/Read as
	(a)	offices shall be	Patna and Varanasi offices shall be...
27.	Page-57,58/clause 14(d)	Delivery Schedule	Schedule B deleted
28.	Page-58/clause 15	Transportation and Packaging:equipment to Patna/Varanasi/Kolkata office and	Transportation and Packaging:..... equipment to Patna/Varanasi office and
29.	Page 64/clause (iii)	8 Porta Cabins (2x5)	8 Porta Cabins (2x4)
30.	Page 65/clause (iii)	Point -7 • 1.5 T Split Air Condition (5 Stars Rating).	• 1.5 T Split Air Conditioners (5 Stars Rating).
31.	Page 65/clause (vi) (a)	V Sat Connectivity (512 Kbps scalable)	Clause vi) (a) deleted
32.	Page 66/clause (vi) (b)	512 Kbps The lease line is to be provided between base station and control station at Patna only.	512 Kbps (scalable) Sentence deleted
33.	Page 70/schedule BA	Schedule "BA" VSAT Connectivity (512 Kbps scalable)	Clause deleted
34.	Page 71/schedule BB	Schedule "BB" Comprehensive Annual Maintenance of Contract after expiry of warranty	Clause deleted
35.	Page-60/Clause 18	The foundation for Porta Cabins are to be made by Contractor including its installation.	The foundation of porta cabins shall be made by IWAI. The drawing of foundation details of porta cabin and monopole tower shall be provided by Bidder along with technical bid. However, installation shall be carried out by successful bidder.


(Cdr. P.K. Srivastava)
Hydrographic Chief


(R.P. Khare)
Member (Technical)


(Pravir Pandey)
Member (Finance)

Annexure-2

**e-tender for " EXTENSION OF RIVER INFORMATION SERVICES (RIS) SYSTEM IN PATNA-VARANASI STRETCH
OF NW – I**

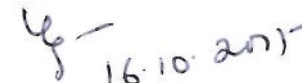
1. Tender clause 8.0 (Information and Instructions for bidders) of above tender has been amended as follows:-
 - (i) The Joint Venture/Consortium can be entered between two or more firms and limited to maximum six.
 - (ii) The lead partner has to be an Indian company.
 - (iii) The lead Partner shall have minimum 51% share or equity participation.
 - (iv) The 2nd partner shall have minimum 26% share. Shares of other partners shall be within rest 23%.
 - (v) In case the lead partner does not meet the requisite eligibility and qualifying criteria, technically or financially, the second partner must meet the requisite balance qualification & experience.
 - (vi) The JV/consortium agreement showing “intent of forming a JV” in the prescribed format on the non-judicial stamp paper of Rs.100/= having notary affidavit is required for bidding.
 - (vii) The successful bidder will be required to register their JV/Consortium under Registration Act, under payment of stamp duty, if the bidders want, then they may register under Indian Company Act 1956 or any other applicable law where the legality of the registration of JV/consortium is established beyond doubt. The proof of such registration of JV shall be submitted within 21 days of issue of Letter Of Acceptance (LOA) of IWAI. The expenditure on the account of registration of JV/consortium shall be borne by the successful bidder.
2. Non-compliance of above may lead to banning of JV/ consortium Partners from future bidding in IWAI.



(Cdr.P.K.Srivastava)
Hydrographic Chief



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