

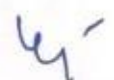


Sl No.	Tender Ref	Description	Bidder Query	Clarification
<b>(I) M/s Elcome Integrated Services Pvt Ltd, Mumbai</b>				
1.	Page 7, EMD	<p>EMD (clause-7)</p> <p>A part of earnest money is acceptable in the form of bank guarantee also. In such case, minimum 50% of earnest money shall have to be deposited 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>	As the EMD amount is 24 Lakhs request IWAI to kindly accept the complete 24 Lakhs in the form of bank guarantee from any scheduled/nationalized bank valid for 6 months	Clause stands.
2.	Page 18,	<p>Road permit, way bill Clause 11 (vi):</p> <p>The prices quoted shall be Basic cost and other taxes (VAT, ST, CST, Road Permit, Octroi etc.), duties (Excise, Custom etc.), insurance, freight, transportation, packing inspection charges, training charges, installation charges and cost of trials etc. separately at the delivery &amp; installation destination. Form No. 'C' or 'D' &amp; 31/32 will not be issued by the "Authority" Road permit, way bill etc. are to be arranged by the Supplier.....</p>	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 11 (vi) clearly informs the work to be done by the contractor. The contractor has to carry out all the work including payment for obtaining way bill. IWAI will facilitate wherever required.

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3. (i)	Page 36-37	<p>Payment Terms: (clause 14)</p> <p><b>Schedule A&amp;B</b></p> <ul style="list-style-type: none"> <li>- 65% on delivery</li> <li>- 15% after installation &amp; commissioning</li> <li>- 10% after acceptance of the system</li> </ul> <p>Balance 10% after warranty or submission of PBG of the same amount.</p>	<p>IWAI is requested to kindly accept the payment as follows:</p> <p><b>Schedule A&amp;B</b></p> <ul style="list-style-type: none"> <li>- 75% on delivery</li> <li>- 10% after installation &amp; commissioning</li> <li>- 5% after acceptance of the system</li> <li>- Balance 10% after warranty or submission of PBG of the same amount.</li> </ul>	Clause stands.
3. (ii)	Page 37	<p><b>Schedule C (Operation &amp; Maintenance)</b></p> <p>50% (Fifty) amount of the Schedule C shall be paid after 6 (six) months of deployment of manpower and balance 50% (Fifty) shall be paid after one year. In other words payment shall be paid half yearly. The period starts from the date of deployment of manpower.</p>	<p><b>Schedule C (Operation &amp; Maintenance)</b></p> <ul style="list-style-type: none"> <li>- 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.</li> </ul>	Quarterly basis payment in place of half yearly payment is accepted.
3. (iii)	Page 37-38	<p><b>Schedule D, CAMC</b></p> <p>50% (Fifty) amount of the Schedule D for each year shall be paid after 6 (six) months of deployment of manpower and balance 50% (Fifty) shall be paid after one year. In Similar way for 2<sup>nd</sup> and 3<sup>rd</sup> year payment shall be made. In other words payment shall be paid half yearly. The period starts from the date of deployment of manpower.</p>	<p><b>Schedule D, CAMC</b></p> <p>Quarterly basis as per the standard payments terms of AMC acceptable to other government organizations are quarterly basis.</p>	Clause stands.

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4.	Page 52, ,	clause 10: Requirement of FAT at Manufacturer's work.	<p>Since the project includes imported equipment from several OEMs from different countries and equipments like Porta cabin, monopole tower, Genset, UPS, servers and leased line are from indigenous supplier.</p> <p>In such case how the arrangement of FAT be decided? Is IWAI looking FAT only for the major component like AIS base station and RIS software to be done at OEM premises/factory?</p> <p>In case the FAT is required at OEM facility abroad then the No. of people and the duration of FAT to be mentioned explicitly by IWAI to include these expenses in the costing.</p>	FAT for indigenous equipment will be carried out on case to case basis by IWAI. However, for FAT at OEM facility at abroad, 4 persons shall be deputed for a duration of 3 days excluding journey period.																		
5.	Page 54, clause 13.1	Location of the sites: 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.	Please note the exact locations (along with the LAT and LONG) of the base station sites and control station to be confirmed before submission of the bid with exact details like pin code and address of the site so that detailed site survey of the sites can be done which will help to cater for all the costing like transportation, erection, fabrication cost and establishment of the leased line network. Without knowing the exact locations and address the estimation would not be correct and might incur losses to the contract at the time of execution of the project.	<p>Base stations at following five locations will be established. BOQ is amended accordingly.</p> <table border="1"> <tbody> <tr> <td>1.Patna (800 007)</td> <td>25°36'41.9533"</td> <td>85° 12'20.4915"</td> </tr> <tr> <td>2. Barh (803 213)</td> <td>25°30'19.4038"</td> <td>85° 44'24.1537"</td> </tr> <tr> <td>3.Semeria (851126)</td> <td>25°22'43.32"</td> <td>86° 0'39.94"</td> </tr> <tr> <td>4. Munger (811 201)</td> <td>25°23'8.9101"</td> <td>86° 27'42.4201"</td> </tr> <tr> <td>5.Bhagalpur (812 001)</td> <td>25°15'51.5502"</td> <td>85° 59'55.4999"</td> </tr> <tr> <td>6.Sahibgunj (816 109)</td> <td>25°15'14.6269"</td> <td>87° 42'20.6841"</td> </tr> </tbody> </table>	1.Patna (800 007)	25°36'41.9533"	85° 12'20.4915"	2. Barh (803 213)	25°30'19.4038"	85° 44'24.1537"	3.Semeria (851126)	25°22'43.32"	86° 0'39.94"	4. Munger (811 201)	25°23'8.9101"	86° 27'42.4201"	5.Bhagalpur (812 001)	25°15'51.5502"	85° 59'55.4999"	6.Sahibgunj (816 109)	25°15'14.6269"	87° 42'20.6841"
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6.	Page 54	Storage Facility	As the items are required to be delivered to the base sites and control station site. In case if there are delays in acquiring the land or completing the civil work by IWAI, in such case IWAI has to provide the sufficient storage warehouse for storing the equipment so that the deliveries can be completed and payment against delivery can be claimed. The proper accessibility should be seen to ensure the approach of Crain, tractor, Lowry and other transportation.	IWAI has its warehouse facilities at Patna and a store room at DGPS station Bhagalpur where the contractor can store the equipment.
7.	Page 55, Spare part	Spare price/ specifications	With regard to requirement of the spare parts for the future requirement, do we need to submit the cost and details of the spares in a separate sealed cover along the along with the technical bid documents. Please confirm.	Yes, the bidder shall submit the cost and details of the spares in a separate sealed cover along with the technical bid documents. This will not be the part of financial bid evaluation.
8.	Page 58, operation and maintenance, point 17	Recurring charges of leased line during O&M period	There is no provision for quoting the recurring leased line charges in the BOQ provided by IWAI	The bidder will quote for BSNL lease line charges only. Accordingly modification made in the BOQ.
9.	Page 63, Schedule A, item no 5	Lease line: The successful bidder shall provide a separate lease line between Patna and Farakka for seamless integration of AIS Data.  2 ) Note : Separate cost of 512Kbps leased line	1. What does it mean that that successful bidder shall provide a separate lease line between Patna and Farakka for seamless integration of AIS Data? However in the second last line of leased line it is mentioned that the lease line is to be provided between base station and control station at Patna only. Please elaborate.  2. There is no provision for providing the optional cost of 512Kbps in the BOQ provided by IWAI? Do we have to provide the same in a separate sealed cover and submit the same with the technical documents? Please confirm.	Lease line connectivity from each of the base stations to control station at Patna shall be provided. A separate lease line between Patna and Farakka will also be provided. Refer BOQ item no.5 and 9 of schedule A.  Yes. The understanding is correct. The bidder has to provide the details of 512 Kbps lease line a separate sealed cover which will be submitted with the technical documents. This will not be the part of financial bid evaluation.

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SI No.	Tender Ref	Description	Bidder Query	Clarification
10.	Page No 65. Schedule B, Note	Note : 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.	Please note in the current tender, control station is only one (1), therefore, IWAI is 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.	A hot standby set up for both hard ware and software is required. It is mentioned as 1 set in BOQ item 12 of schedule B.
11.	BOQ	BOQ	In the BOQ provided by IWAI, following columns are not available. There is no column for entering custom duty amount. In Column no 8 of BOQ, only excise duty is mentioned. Column for the custom duty should also be available. - There is no column for entering the Installation, testing, commissioning and training amount. - 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 C&D also.	Needful done in BOQ.
12.	BOQ, Schedule C,	Schedule C, item no 15, 16 & 17.	Please note for the schedule C price, IWAI has separated (a), (b) & (c) for engineer, operators and securities. There is no problem for the 1 <sup>st</sup> year, however for the subsequent years at item 18, 19 & 20, you have mentioned the description as percentage of hike over first year charge.  In order to have a clarity we would like to know the following: 1. The price in basic price column (7) can be entered only in numeric value which means we can enter only value not percentage. 2. Also you have written in description percentage of hike over 1 <sup>st</sup> year. In this regard do we have to include only the hiked amount for the 2 <sup>nd</sup> , 3 <sup>rd</sup> and 4 <sup>th</sup> year OR  The basic cost (1st year cost) + hike applicable for the subsequent years. Please note, If we have to include only hike amount over the 1 <sup>st</sup> year for the subsequent years then total will be incorrect Or IWAI will have to add the 1 <sup>st</sup> year cost for the subsequent years in the total amount additionally. Please clarify.	The bidder has to quote 2 <sup>nd</sup> , 3 <sup>rd</sup> and 4 <sup>th</sup> years, manning charges in absolute value. Needful done in BOQ.

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SI No.	Tender Ref	Description	Bidder Query	Clarification
13.	BOQ, Schedule A, Serial No 3, Porta cabin	Porta cabin requirement	What about the arrangement of equipment room and accommodation at Patna. Is IWAI planning to install the same in the Patna office? If not, please advise the plans for installing the equipment at Patna control station so that transportation of equipment can be planned accordingly.	In Patna, the control station will be established in IWAI office.
14.	67, Schedule C	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.
15.	Bid submission	Submission date	Since details of the base station sites and control station would be required, therefore it is requested to kindly extend the tender submission date up to 16.02.2015.	Extended up 25.2.2015 at the same venue and at the same time.

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SI No.	Tender Ref	Description	Bidder Query	Clarification
<b>(II) M/s Rolta India Limited, Gurgaon</b>				
16.	Section 7, Page 64	Metrological Equipment (Anemometer, Barometer, Relative Humidity).	The specifications for Anemometer, Barometer and Relative humidity sensors are not mentioned in the tender. Please specify.	The meteorological sensor should have the following specifications: <b>1. Wind Speed</b> <ul style="list-style-type: none"> <li>• Range: 0 to 60 m/s</li> <li>• response time 250 ms</li> <li>• accuracy : 0 to 35 m/s: <math>\pm 0.3</math> m/s or <math>\pm 3\%</math>, whichever is greater</li> <li>• Output resolution and unit: 0.01m/s</li> <li>• Protection IP66</li> <li>• Serial Output:RS232/485</li> </ul> <b>2. Wind Direction</b> <ul style="list-style-type: none"> <li>• Azimuth: 0 to 360°</li> <li>• Response time: 250 ms</li> <li>• Accuracy: <math>\pm 3^\circ</math></li> <li>• Output resolution and unit: 1°</li> <li>• Protection IP66</li> <li>• Serial Output:RS232/485</li> </ul> <b>3. Air temperature</b> <ul style="list-style-type: none"> <li>• Range: - 50 °C to +60 °C</li> <li>• Accuracy for sensor at +20 °C: <math>\pm 0.3</math> °C</li> <li>• Output resolution and unit: 0.1 °C</li> </ul> <b>4. Barometric pressure</b> <ul style="list-style-type: none"> <li>• Range: 600 to 1100 hPa</li> <li>• Temp: -50 to +60 °C</li> <li>• Accuracy: <math>\pm 0.5\%</math> of analogue pressure range, digital accuracy 0.2 hPa (25°C)</li> <li>• Output resolution: 0.2hPa</li> </ul> <b>5. Relative humidity</b> <ul style="list-style-type: none"> <li>• Range: 0 to 100 %RH</li> <li>• Accuracy: <math>\pm 3</math> %RH within 0 to 90 %RH <math>\pm 5</math> %RH within 90 to 100 %RH</li> <li>• Output resolution and unit: 0.1 % RH</li> </ul>

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Sl No.	Tender Ref	Description	Bidder Query	Clarification
17.	Section 7, Page 63	<b>(v) Leased Line - Wide Area Network (WAN)</b> 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."	(A) What is the distance between sensor station and control station at Patna? (B) Can we consider additional variance of 5Kms in the location of sensor stations? (C) Please provide the exact location of sensor & control station at Patna.	(A) At Patna, Control and Base Stations are co-located. (B) No. (C) IWAI Regional office Building
18.	Section 2 Pg 7	<b>7. Earnest Money Deposit (EMD)</b> The bidder shall furnish as part of its tender, EMD of Rs 24.0 lakhs/- ..... 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, .....	Please confirm whether whole EMD amount i.e. Rs. 24 Lac can be accepted in the form of BG. Request to provide us the Bank Guarantee format for submission of Bank Guarantee.	Clause stands.
19.	Section 2 Page 16	<b>10. Technical Bid</b> (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.	(xi) Automated Vehicles Tracking System is not included in the ' <b>similar work</b> ' in this paragraph. However, in area of Evaluation (Page 20) sl.no. C specifies Automated Vehicles Tracking System in point (iv). The same was considered in the RFP for RIS phase-1. Kindly include the Automated Vehicles Tracking System in similar work.	In place of "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 ....." Please read " <i>The similar work means, Works successfully completed on Supply, Installation and commissioning of RIS system OR Vessel Traffic Service (VTS) or Vessel Traffic Management System (VTMS) or AIS Network or Automated Vehicles Tracking system Network or RF communication networks....</i> "

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SI No.	Tender Ref	Description	Bidder Query	Clarification
20.	Section 2 Page 18	<b>11. Financial Bid</b> (xi) In addition Rates and terms & condition for Comprehensive Annual Maintenance Contract (CAMC) after expiry of warranty period of 12 months may be specified clearly along with the Cost Schedule (Schedule - C). This rate shall also be considered for evaluation of this tender	(xii) Please confirm whether Comprehensive Annual Maintenance Contract (CAMC) after expiry of warranty period of 12 months will be considered for evaluation of L1 Bidder.	Yes. Confirmed.
21.	Section 4 Page 33-34	<b>7. Quotation of rates by Supplier</b> The price(s) quoted by supplier shall be firm with no provision for any deviation as per in the item No. 9. Cost schedule. All the price(s) quoted shall be indicated 34 both in figures and in words. The price(s) quoted shall be Basic cost and other taxes (VAT, ST, CST, Road Permit, Octroi etc.), duties (Excise, Custom etc.), insurance, freight, transportation, packing inspection charges, training charges, installation charges, cost of trials, any other material and consumables required for the work etc. separately at the delivery & installation at IWAI field offices, (as the case may be) India. Form No. 'C' or 'D' & 31/32 will not be issued by the "Authority". Import License and Foreign exchange required, if any, shall be arranged by the Supplier himself.	Please confirm whether IWAI will reimburse Octroi / Entry Tax / Road Tax if any	Local taxes like Octroi / Entry Tax / Road Tax will not be reimbursed.

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SI No.	Tender Ref	Description	Bidder Query	Clarification
22.	Schedule B Page 64	2. <u>Control station servers</u> Central RIS Operating Processor (Application cum Data base Server) • 52" LED Display. The Operator console should be minimum 21" size.	Please confirm Whether the bidder need to supply two displays of 52' and 21' size or only one display with min size of 21'.	One 55" Professional Large Format Display (LFD) and two 21" LED display for operator at Control station are required.
<b>(III) M/s BARUNI SYSTEMS, Ahmadabad</b>				
23.		One of requirement for the server use MS Windows server and MSSQL server for the software in RIS.	Is it possible to use LINUX and other open source software in place of MS proprietary software?	Open source LINUX for back end and MS Window for display can also be considered.
<b>(IV) M/s Recktronic Devices &amp; Systems, Pune</b>				
24.	Page 5, clause6	NIT: Bidder has to quote for all four schedules in Indian currency only.	Please consider if payment can be made in USD / Euro partly as there is a sufficiently large component of imported equipment and software.	Clause stands.
25.	Page 7, Clause 7	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.	Please consider acceptance of the total EMD in form of Bank Guarantee.	Clause stands.
26.	Page16, Clause (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.	request that "communication network system" be considered as well as similar work	Refer SI No.19

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Sl No.	Tender Ref	Description	Bidder Query	Clarification
27.	Page 22, clause 14	The Authority reserves the right at the time of award of order to increase or decrease the quantity of equipment specified in the NIT/ price schedule without any change in unit prices or other terms and conditions. The successful Tenderer shall be bound to supply the items at the same rate and terms and conditions.	Please provide the percentage limit of increase / decrease in the quantities	The percentage of increase in quantity will be up to 10% of tender quantity.
28.	Page 36, Clause 14.A.a.1	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 delivery of equipment	Clause stands.
29.	Page 38, clause 14.A.d	d) 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
30.	Page 57, clause 15.1	15.1 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

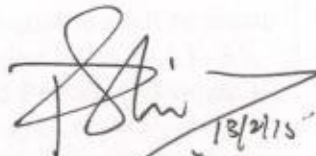
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31.	Page 57, clause 15.2	The Contractor shall pay a sum equal to 0.05% of the O&M and CAMC cost of the value of agreement for each day, if the station is not maintained or personnel as per Contract are not deployed on every such occasion provided that such sum will not exceed 10% of the Contract value for the site.	<p>Please</p> <p>a. Define the meaning of “the station is not maintained or personnel as per Contract are not deployed on every such occasion”.</p> <p>b. Confirm the contract amount referred herein pertains to the CAMC contract value and not total contract value</p> <p>c. Consider limiting this to 5% of contract value as is the case with most similar contracts</p>	<p>a. Clause is clear</p> <p>b. CAMC only.</p> <p>c. Clause stands.</p>
32.	Page 58, Clause 17	For base stations 3 operator and 3 security persons are required. Deployment is for round the clock (24 x7 hrs.).	<p>a. Please specify the durations of the shifts per day for all personnel</p> <p>b. Please specify the expected number of personnel per shift i.e. 1.operator/ shift, 2.security/shift</p>	<p>a. 8 Hours – 3 shift</p> <p>b. One operator + One security per shift The contractor will factor leave requirements while quoting.</p>

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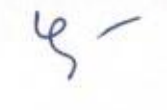
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<b>(V) Additional clarifications/Information form IWAI</b>				
33.	Page 14, Para-7	Submission date	Appeared as 2.6.2015	May now be read as ...25/2/15...
34.	Page 36, 14.a	Payment for material	Appeared as schedule A,B &C	May be read as A&B.
35.	Page 37, 14.(ii)	Second stage payment.	....completion of 4 days training.	May be read as 5 days.
36.	Page 53, clause 13	Delivery	The completion of delivery will be at IWAI, Patna Office within 6 months from the date of issue of work order or 3 months from the date of allocation of frequency	The completion of delivery will be at IWAI, Patna Office within 6 months from the date of issue of work order or 3 months from the date of allocation of frequency, whichever is later.
37.	Page 65, clause 2.(vi)	General feature for RIS	Appeared as AIUDM	May be read as AIVDM.
38.	Page 60, clause 1.1.	Technical specification	USB interfacing capability.	To be read as "The base station can be accessed using serial and Ethernet ports"

  
 (Cdr.P.K. Srivastava)  
 Hydrographic Chief

  
 (R.P. Khare)  
 Member (Technical)

  
 (Pravir Pandey)  
 Member (Finance)