

**Minutes of the Pre- Bid meeting held on 26.07.2013 in connection with Tender for  
"Setting up of River Information Services (RIS) System in Sagar- Farakka Stretch of NW-1**

S. NO.	Clause/ page	POINTS RAISED BY THE BIDDER	CLARIFICATION GIVEN BY "IWAI"
<b>I</b>		<b>KONGSBERG NORCONTROL</b>	
1	10(x) i,ii/ p-16	CMMi Certificate level 3 ISO 9001:2008 and ISO/IEC 2007:2005 for Information security Management System and ISO/IES 2000:2005 certificates for IT services Management System.	(a) RIS related software should be accompanied by certificates, test reports alongwith procedural documents & other credentials as applicable. (b) It should be of proven design & should have been in operation for at least one year. A certificate from the bidder /developer stating the version number of the software being offered for the current tender is to be submitted. An end user certificate from any Water /Port Authority /National Authority having a similar system should be provided (C)Should any requirement of any modification/ updates in software arise within 1 year of installation (warranty period), it should be done at the cost of bidder.
2	General	Duties and Taxes- Need a clear picture of the same special custom duties (documents bidder need to submit for reimbursement)	The bidder has to quote 'basic price' only. The bid evaluation will be done on basic price comparison only and other statutory payments like taxes/ VAT/ custom duty /service tax or any other levies as applicable are not for evaluation purpose, but the same will be reimbursed to the successful bidder on submission of original document.
3	Point 5/page 5	The bidder may quote for any or all schedules	Bidder has to quote for all five schedules. The clause 5 of Tender document is amended as "The bidder must quote for all schedules"
4	Point 8 - Para 2/ p-8	Successful bidder is required to submit proof of registration of JV before award of work.	The bidder has to submit documentary proof of "intent of forming JV/consortium" on Rs.100/- notorized stamp paper at the time of submission of bid , However, successful bidder is required to submit proof of registration of JV/consortium before award of work.
5	Point 14/ p-22	The Authority shall not bind itself to accept the lowest bid and reserves the right to split the order if necessary and also to accept or reject any or all bids or part thereof without assigning any reason whatsoever, prior to award of contract without thereby incurring any liability to the affected Tenderer or any obligation to inform the affected Tenderer of the ground for the Authority's action. no correspondence shall be entertained in this regard.	The Firms will be shortlisted based on technical competence which comprises Hardware/ Software & equipment only. L-1 will be decided after opening of financial bid & thereafter combination of both technical & financial bids will decide the successful bidder. Therefore, the question of splitting does not arise.

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		<b>M/s IIC Technologies Limited, Hyderabad</b>	
6	Clause 10 (x) (i)	As per this clause, the firm requires CMMi level 3 certificate. The certificate is applicable for the software development.	Same as (1)
7	BOQ Page 95-99	The items relate to provision of equipment, COTS systems, RIS operation & AMC. No software development is necessary to provide the tender items. This requirement may therefore be dropped.	(a) In order to have proper security audit prior to uploading the software on the server, relevant security audits have to be cleared & certificate from local authorised agencies of concerned country obtained. (eg. in India it would be CERT.in) These are to be submitted in respect of the RIS software along with the technical bid documents. (b) All background servers, processes may be in Linux environment which would ensure high level of security. The Control station and operator stations however may be on Windows since it requires to be user friendly and should be installed with anti virus, anti malware, which should be regularly updated.
8	Clause 10 (x) (i)	Section 10 (x) (i) requires ISO/IEC 2007:2005 certificate. The ISO/IEC 27001:2005 certificate relates to information security management. The items listed in the BOQ (pages 95-99) relate to provision of equipment, COTS systems, RIS operation & AMC. As no software development or information systems are necessary to provide the tender items, this requirement may therefore be dropped	(a) The average annual turnover for preceding 3 financial years should be 10Cr from date of publication of tender. In case of JV /consortium, the financial turn over of only the lead partner would be considered for evaluation. (b) With regard to similar works, it is clarified that the work completion certificates in name of lead partner would only be considered (though other partners may have been involved).
9		Average annual financial turnover during last three years ending 31st March of the previous financial year, should be at least Rs. 50.0 Crores (US Dollar 8.4 million). The US dollar value - 84 Million does not seem to match. Kindly confirm if the value in USD is 8.4 Million. (10.Technical Bid, Point (XII), Page No. 16)	(a) The average annual turnover for preceding 3 financial years should be 10Cr from date of publication of tender. In case of JV /consortium, the financial turn over of only the lead partner would be considered for evaluation. (b) With regard to similar works, it is clarified that the work completion certificates in name of lead partner would only be considered (though other partners may have been involved).
10	Clause No. 8 (a) & 8.1 P-8 to 11	<u>-Regarding formation of Joint Venture and Consortium</u> In the case of 2 partners agreeing to team up for the purpose of bid submission. We understand that they can either form a Joint Venture and submit a proof to that extent or form a consortium and submit a Jt. Bidding Agreement as per the terms of the tender. Please confirm if any one of the above would be applicable or both?	Any one would be applicable & accepted.
11	Cl. 8 third Para P- 8 & Cl. 8.2 (e), (b) P- 13	Joint venture is allowed with not more than two partners and (b) Joint Venture agreement signed by JV partners not more than 3 partners duly signed by the notary and allied documents - A clear discrepancy in terms of the no. of partners in a JV. Kindly specify the limit of no. of partners who can form a JV whether 2 or 3? -	JV/Consortium may have 2 or more partners. The lead partner should have maximum equity participation.

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12	Cl-8 (1) P- 34	<p>Security Deposit including EMD already submitted will be 5% (five percent) of the contract value of the work. The EMD received from successful Tenderer will be converted as Security Deposit on signing of the agreement. Balance Security Deposit (i.e. Total 5% SD deducting EMD submitted with technical bid) shall be paid in the form of Demand Draft before signing of Agreement. Bank guarantee will not be accepted as security deposit - <b>requested to consider the Bank Guarantee towards Security Deposit instead of Demand Draft -</b></p>	<p>The Bank Guarantee towards Security Deposit is acceptable. Whereas the BG towards EMD is not acceptable. EMD should be in the form of Demand Draft or RTGS only.</p> <p>(a) <b>Name of Bank Account:</b> IWAI FUND  (b) <b>Bank Name &amp; Address:</b> Syndicate Bank, Transport Bhawan, Parliament Street, New Delhi  (c) <b>Bank Account Number :</b> 90622150000086  (d) <b>IFSC :</b> SYNB0009062</p>
13	Sect- 7. 1 P-. 58.	<p><b>Technical Specifications - Schedule "A" .</b>  <b>Equipments On Board Vessels - Automatic Identification System (AIS)Transponder Inland</b>  <u>Class – A</u> Onboard modem to avail GSM facility as alternative to VHF-GSM modem would be an independent entity &amp; not linked to Class-A AIS transponder. The mode of communication between the control station and the vessels will be through mobile GSM technology. Airtime charges on actual, will be paid by IWAI.</p> <p>Availability of GSM network in the area of RIS operation needs to be assessed by IWAI. The contractor should not be made responsible for poor GSM network connectivity, as the system operation would be heavily dependent on the GSM network service provider. Hence we request you to make available the details of service providers in that stretch of NW-1 and also the strength of the GSM network available</p>	<p>The stretch Halida-Farakka has good GSM network connectivity by all the service providers BSNL,Airtel &amp; Idea. However, the bidders are requested to visit the sites of the base stations as indicated in the tender document &amp; assess the ground situation for themselves prior quoting at their own cost.</p>
14	Schedule "B" Base Stations	<p>Schedule "B" Base Stations -v). Leased Line - Wide Area Network (WAN) Page No. 64</p> <ul style="list-style-type: none"> <li>• Leased Line facilities of minimum 2 Mbps speed with stable Internet connection.</li> <li>• It is understood that the provision of leased line is for a direct and quick communication between Base and Control stations in the stretch of NW-1. Kindly clarify if leased line is to be provided for communication between IWAI HO, Noida and IWAI, RO, Kolkata with the respective Base and Control stations also.</li> </ul>	<p>Leased line is to be provided between base and control station only in the Haldia-Farakka stretch to the R.O officers at Kolkata &amp; Farakka and not to NOIDA</p>

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		<b>Rolta India Pvt Ltd</b>	
15	SI No 7, Sch-B Point 2	<b>(vii) Gen Set 10 KVA (3Phase)</b> (a) All the equipment planned to be installed at the sensor station would be working on single phase supply. Therefore requirement of 3 Phase Generator is not understood. (b) Does the bidder need to cater AMF Panel for the Genset	(a) 10 KVA single phase generator would be sufficient. (b) AMF & distribution panel for Genset is to be catered for by the bidder
16	SI No 7, Sch-C Point 3 (i)	Central RIS Operating Processor (Application cum Data base Server) • 52" LED Display. The Operator console should be minimum 21" size. • Whether the bidder need to supply two displays of 52' and 21' size or only one display with min size of 21'.	# Operator console as per the schedule 3(i) would be 21" min size  # Two displays are required one 21" minimum size for operator as per schedule 3(i) & one display screen of 52" is required as per schedule 3(v)
17	SI No 7, Sch-C Point 3 (iii)	Configuration of Servers RFP states that "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". a. Is redundancy required for servers? If Yes, What is the Redundancy expectation? Would it be Hot Standby or Cold Standby	Yes .Redundancy required & the stand by server would be a hot stand by
		<b>A.S. Moloobhoy &amp; Sons</b>	
18		Minimum turnover required for last financial year is INR:50 Crores. However tender value does not seem to be so high. As per CVC the turnover should be around 30% of budgeted value. The value should be relaxed to more realistic figure.	Same as item (9)
19	cl. 10 (Technical Bid) X-i & X-ii	As per clause no. 10 (Technical Bid) X-i & X-ii, the firm quoting should have CMMi Level 3, ISO-7001-2005 & IT Service Management. However, this quality system is only adopted by purely software development firm. We request you to kindly exclude the point as this does not relate to Marine and Turnkey/Integrated Project like RIS/VTMS.	Same as (1)
20		VHF frequency mentioned is not a Marine Band frequency. The frequency mentioned is 136-174 Mhz. Marine band VHF will be more appropriate for the ship borne applications.	Marine Universal frequency band (156-161.5 MHz) is required for vessel applications

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21		In VHF Specs mention "VHF sets to be networked to base station / control centre and establish VOIP". Kindly elaborate functionality required by this networking.	VOIP network should be established over all the base stations & control stations also.
22		Operation of the VHF sets to be local or from other base station / Control is required?	VHF set can be operated from other base /control stations also.
23		Whether walkie talkie of VHF is needed?	If provided along with VHF sets at no additional cost.
24		There are two control centre viz: Farakka and Kolkata, whether entire operation to be controlled from both the control centres.	Yes.
25		Please confirm as per clause no VI - 13 storage of data to be on one control station or both the control centre.	Both stations
26		Please confirm if we have to follow the server configuration mentioned in the technical specification or we can follow the configuration suitable to our system.	The server configuration suitable to the system would be considered subject to acceptance of the technical committee.
27		Whether the base stations need to be connected to both control centers so that in case of failure of one the other will take control?	Yes
28		Can the number of servers/router can be optimized by the bidder to meet the system functionality?	Yes
29		Out of 50 web users how many concurrent users needs to be taken? (say 10)	Concurrent 50 web users are to be considered
30		As the DGPS is only used for Navigational purpose, a 12 channel DGPS should be suitable for this application? Please confirm if 16 channel is still needed. Also please specify the accuracy needed for this application.	16 channel would be required as the DGPS receivers would be used for survey operations also. Minimum accuracy +/- 1-3 mtrs
		<b>Pan India Consultants Pvt. Ltd.</b>	
31	Instruction to Tenderer	Refer Clause - 7 EMD. The EMD may be accepted in the form of Bank Guarantee / FDR.	Same as in item (12)
32	-do-	Clause 10 (viii) River Information Service is a turnkey solution compressing of hardware & software. It is not possible to obtain Authorization Certificates from all the OEMS. OEM authorization should not be mandatory for all the equipments.	Authorisation letter for the following major items:- (1) AIS transponder (2) VHF sets (3) Echo sounders (4) DGPS receivers (5) Radar (6) RIS software (7) AIS Base station

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33	-do-	Clause - 10 (x) River Information Services is a new concept in India. Only a limited of software of Companies have CMM (i) Level 3 Certification. Further this requirement is quite stringent and unusual especially considering the limited software development required for this tender. Request delte this point from the tender.	Same as (1)
34	-do-	Clause - 10 (xii) Average. Annual financial turnover of over Rs. 50 Crore for 3 years is not understandable where as the value of project is around Rs. 10-15 Crore. Request consider turnover of around Rs. 20 Crore.	Same as (9)
35	-do-	Clause - 10 (xii) Please clarify if an overseas foreign firm can be a bidder. Kindly advice the documents to submit with the bid. It may be further confirmed that payment will be made in FEE.	Overseas foreign firm can be a bidder. The Indian Bidder shall be quote the price in Indian Rupees and in case of foreign bidder, it can be in the foreign exchange either in Euro or US Dollar. The payments shall be made in Indian rupees for indigenous supplier and in foreign currency for foreign supplier. However, in the case of foreign bidder, the payment will be made at the buying rate of foreign currency on the date of closing of bid.
36	Cla.14(A) page 36	General Conditions of Contract The cost of hardware is high in respect to services. Request payment be 80% of supply value at the time of delivery of equipment. Balance 20% at the time of completion of Installation & Commissioning.	<b><u>Payment clause 14 (A) (a) (i) to (iii) is modified as follows:-</u></b> (a) (i) 65% (sixty five percent) of the supply value (Schedule A, B &C) will be paid within 30 days of delivery in good condition, without any transit damage. Inspection of Equipment will be carried out in their Physical condition only and no trials for the equipments supplied at respective IWAI field offices will be done, the supplier will furnish the bill duly certified by the "Authority" authorized representative for delivery in good condition. The Officer-in-charge of the Authority at Field office or their representatives, having received the items in good condition, would certify the bills within 15 days of supply.

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37	Sect.7 Tech.Spec. iii) p-58	Echo sounder. Is it mandatory to quote Dual Frequency Echo sounder? Further kindly clarify if navigational Echo sounder or survey grade Echo sounder is required.	<p>(a) (ii) 15 % (Fifteen percent) of the supply value (Schedule A, B &amp; C) will be paid after satisfactory installation, commissioning and successful completion of 4 (Four) days training for equipments to "Authority" personnel, complete in all respect at respective IWAI, field offices. The respective officer in charge of the authority or their representative would certify the installation &amp; training within 15 days of completion of training &amp; installation. The payment will be released by IWAI, NOIDA. In case of part work, payment shall be made on pro-rata basis Regional office wise.</p> <p>(a) (iii) 10% (Ten percent) payment of the supply value (Schedule A, B &amp; C) shall be made after acceptance of entire system. (i.e after 2 months from the dates of commissioning and successful operation of entire systems) The respective officer in charge of the authority or their representative would certify for installation &amp; training within 15 days of completion of training &amp; installation. The payment will be released by IWAI, NOIDA.</p> <p><b>Other terms &amp; conditions remain unchanged</b></p> <p>Please see schedule A (1) (iii)</p>

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M/s. Elcome Marine Service Ltd			
38	Page -7 clause 7.1	The successful Tenderer's EMD will be converted into Security Deposit (SD) and the successful Tenderer shall remit balance amount of SD in the form of Demand Draft (DD) / Performance Guarantee as per clause 8 of "General Condition of the Contract." However, the validity of BG shall be till expiry of the warranty/Guarantee period as prescribed hereinafter. The agency has requested that - If the Security deposit is acceptable in BG, can EMD be accepted in the form of BG also?	Same as in item (12)
39	Page -12 Tech Capacity (ii) (ii)	Certificate(s) from its statutory auditors or the concerned client stating the nature of association of the bidder with the project(s) for which eligibility is claimed (refer Appendix I - E)  (iii) In case of operator only, duly notarized Certificate of Incorporation of the owner company (client) as well as of the operator and certificate (work order, completion certificates/ agreements) from the owner for nature of association for the eligible projects	Nature of association with the project has to be certified by either statutory Auditor/concerned clients
		The agency has requested - Is this Certificate required even for Single Bidders or is this only for Consortium Bidders? - Is the certificate required only from Statutory Auditors or any CA or Auditors Certificate? - Is the certificate required from the F.Y. 2012-13 only, i.e. Financial Year immediately preceding the Proposal Due Date(Refer to Page No. 12 of the Tender Document – Point No. 8.1 –J(b) (i)) OR will a Certificate based on the Audited Financials for the F.Y. 2011-12, suffice.	(a) Statutory Auditors or Chartered Accountant firm or Concerned client certification will be considered for technical capacity for all bidders irrespective of JV /single entity (b) Audited financial returns for last 3 years should suffice

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40	Page 13 ,26 &53- F, details of proposal, (d), 3.a	<p><b><u>DETAILS TO ACCOMPANY TECHNICAL BID, Enclosure VIII</u></b></p> <p><b><u>Spares part requirement</u></b></p> <p>You have requested for the details and prices of spare parts. There is no separate column given in the price bid format for spare parts. We can see the spare part is reflected in the Schedule E. Is this the same requirement or you need additional spares? Please clarify.</p> <p><b><u>List of Spare parts &amp; consumables for all equipment for 3 years operation along with their quotation &amp; source on unit rate basis; all inclusive for delivery at "Authority" Regional offices as indicated in the delivery Schedule</u></b></p> <p>Apart from above, at page no 26, last para it is mentioned that "Authority" reserves the right to select the spare parts from the above list at its sole discretion and place order for them. These spare parts, suitably packed, will have to be delivered along with the equipment, if ordered by "Authority". However, payment for the same would be made separately by "Authority".</p> <p>If this is the case there should be a separate column in the price bid for spare part list.</p>	<p>The price of spares is not a part of evaluation of price bid. This is for reference only. This is to be furnished in the technical bid as per SUBMISSION OF BID clause 8.2.(f). No modification is required in BOQ for spare.</p>
41	Page 14 Clause g	<p>Hard copies of tender</p> <p>Do we need to submit the complete documents pertaining to technical bid in cover 1? i.e. technical offer, compliance sheet, technical documents, financial capacity documents, past experience documents or only EMD and tender fee.</p>	<p>yes. 3 copies are required</p>
42	Page 18, clause 11, last para	<p>The license fee, royalty and recurring expenditure will be borne by IWAI on production of authenticated bills.</p> <p>Do we understand that these charges will have to be paid by contractor first and will be paid by IWAI on production of bill later on? Since the bill is not issued by WPC for such payments, thus these charges may please be paid directly by IWAI to WPC.</p>	<p>IWAI will pay the licence fee. Contractor has to assist IWAI in obtaining licence.</p>
43	Page 20	<p>Area of evaluation, C, past experience</p> <p>Request that experience of VTMS and AIS monitoring system may be considered for 30 marks as the RIS system is also based on the similar platform.</p>	<p>Not acceptable</p>
44	P-34 8(1) par 2nd	<p><b><u>Security deposit:</u></b></p> <p>- What would be the validity of security deposit?</p>	<p>(1) Security Deposit would valid till successful completion of warranty period</p>

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45	Page 36 clause 14(a)	<p>payment terms (iii) 25% payment of the supply value (Schedule A, B &amp; C) shall be made after acceptance of entire system. (i.e. after 2months from the dates of commissioning and successful operation of entire systems)</p> <p>In case if delay , if any including that of land acquisition on the part of IWAI and due to which installation and commissioning of that particular site gets delayed accordingly, the payment towards supply portion of Schedule A,B &amp; C to be made on pro -rata basis.</p>	<p>(2) Two separate PBGs shall be submitted from a nationalized/ reputed International Bank within 10 days of award of work for an amount of equal to 5% of the equipment value and service value (CAMC and O&amp;M) of work. The PBG for equipment part shall be kept valid till expiry of warranty period &amp; service PBG ( schedule D&amp;E) shall be valid till entire contract period. The value of BGs will be intimated at the time of award of work.</p> <p>No delay are envisaged as part of land acquisition. Payment schedule same as in item (36).</p>
46	Page 56 clause 17	<p>The contractor has to quote O&amp;M charges inclusive of all recurring leased line charges separately for the entire duration of O&amp;M services.</p> <p>There is no separate column for leased line recurring charges during entire duration of O&amp;M services given in BOQ and being an e-tender we cannot add additional column for this also.</p> <p>Additionally, do we have to quote the leased line recurring charges during CAMC period (including O&amp;M services) of three years also? Please clarify.</p>	<p>BOQ is modified. A separate section for O&amp;M recurring charge during CAMC period would be included.</p>
		<p>In case of lease line, the signing of agreement will be directly between service provider and IWAI as per Govt. regulations. However the costing will be included in the offer.</p>	<p>Yes</p>

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47	P- 58 Tech. Spec.	Equipments on board vessels, ii) VHF sets with antenna and walkie talkie 1 set of Walkie& Talkie with charging units(optional) This requirement is not understood. The tender requirement is VHF sets for on-board vessels. Do we need to include one set of VHF walkie talkie (handheld vhf set) also with this? If so, then why it is mentioned as optional.	Same as in item (23)
48	-do-	Equipments on board vessels, iii) Echo sounder Dual frequency (option) This requirement is not understood. At the beginning the requirement says single frequency navigational grade side mounting type and the dual frequency is (optional). Do we understand that minimum single frequency is required however if the bidder wishes they can also quote dual frequency echo sounder also. Please clarify. Please specify the frequency of transducer. As the transducer is going to be fitted over the side of the vessel, who will arrange the over the side mounting accessory for transducer.	same as in item (37)
49	Page 63 clause	Porta cabin for accommodation Electricity, water and sewage connection to be arranged by IWAI at all the base station sites.	Civil work will be undertaken by IWAI
50	Page 63 clause Tech.Spec.	Schedule B.iv) VHF sets with antenna 1 set of Walkie& Talkie with charging units(optional) Do we need to include one set of VHF walkie talkie (handheld vhf set) also with VHF base station this? If so, then why it is mentioned as optional.	Same as in item (23)
51	Page 64 clause VI	Meteorological Equipments. Requirement of data in one combined sensor or separate sensor for each parameter is required?	Separate sensors required
52	Page 64 clause VI I	Genset 10KVA ( 3 phase) Apart from the Gensets can IWAI also consider solar power provision at all base station/control station sites?	Solar power provision Can be considered

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53	Page 64 Schedule C, 3(i)	Central RIS operating processor( application cum data base server) The display requirement is mentioned 52" LED display and additionally another display of similar size at serial (v) operator display at page no 65 is mentioned. Are these two different requirements?	Same as in item (16)
54	page 64 Schedule D &E	Diesel requirement at base station during OM &CAMC period Please note that it is difficult to estimate the quantity of diesel for this period, therefore the requirement of diesel supply may be deleted otherwise IWAI have to specify the no of gallons/drums along with capacity required every month so that it gives a fair idea to bidder to consider in the pricing.	IWAI will provide running cost of diesel for generator on actual certification by field Directors

**Minutes of the Pre- Bid meeting held on 26.07.2013 in connection with Tender for  
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		<b>Additional clarifications</b>	
55	Page 60 Tech. Spec. /1(vii)	<p><b>MFD Multi Function Display</b> Complete RIS application software is not to be run on the vessels. The integration software which is required to interface all the sensors in to the display is required on the vessels.</p>	<p>specifications for MFD (Multi Function Display) that are based on IMO/IEC guidelines. The details are as under:- Multifunction Display should have the ECDIS module and Radar ARPA module.</p> <ul style="list-style-type: none"> <li>•The Multifunction display should work on Windows Platform for continuous display of all Radarand AIS targets in and around the area,</li> <li>•There should be facility to record and replay the Radar and AIS data;</li> <li>•MFD should allow full integration and multitasking of Chart Radar/ARPA and ECDIS.</li> <li>•MFD ECDIS should be Integrated with AIS equipment in compliance with IEC61993/2 standard and also comply with the IMO Resolution A.694 (17), MSC. 191(79) &amp; MSC 232(82) standard</li> <li>•The ARPA Graphic User Interface can do main ARPA tasks like....</li> <li>• Set of ranges: 0,25; 0,5; 0,75; 1,5; 3; 6; 12; 24; 48 nautical miles</li> <li>• North-up/ Course-up/ Head-up orientation display</li> <li>• Display of radar information in the true and relative motion modes</li> <li>• Display of two electronic range and bearing lines with offset possibility in drop and carry mode</li> <li>• MFD ECDIS should support the official chart formats: SENC/ ENC/S-57 etc.</li> </ul> <p>• Multifunction display should have the following logging Functions: o System Logbook / Ships Track / Target Data and their status / Radar Overlay / Printout / Playback.</p> <p>• Multifunction Display should have the following Navigational tools: o Alarms and warnings / ERBL / Quick distance measuring tool / True/Relative Motion / MOB / o Docking Mode / Dual chart panel / Manually fix position / Left information panel</p>
56	P-60 item (vi)	<p><b>Laptop Computer:-</b> For Tough book- It should be a semi-rugged (laptop computer) which should comply with MIL STD 810G test.</p>	<p>Bidder is to submit copies of test reports along with the technical specification of laptop in the technical bid.</p>