SUPPLY, INSTALLATION, INTEGRATION, TESTING AND COMMISSIONING OF INTEGRATED BRIDGE NAVIGATION & COMMUNICATION SYSTEMS FOR COASTAL PATROL / INTERCEPTOR BOATS

Tender No: 26-RFP-Integrated Bridge Navigation Communication Systems-2026-2027

Date: 30/10/2026

Tender Fee: Non-refundable Rs. 5,900/- {Rs. 5,000/-+18% GST (Rs. 900/-)}

EMD: Rs. 4,60,000/- (India Rupees: Four Lakhs Sixty Thousand Only)

ISSUING AUTHORITY

A.I.G. of Police (Provisioning)
Odisha, Kataka.

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Notice Inviting Bid

Odisha Police
Office of the D.G & I.G. of Police, Odisha, Kataka
Tel. :**0671-2304001**, **Website** :*odisha.police.gov.in*,
Email : adgcs-odisha@gov.in

RFP No:26-RFP-Integrated Bridge Navigation Communication Systems-2026-2027 **Date : 30.10.2026**

Online Bids through e-Tender Portal https://tendersodisha.gov.in are invited from the eligible bidders for Supply, Installation, Integration, Testing and Commissioning of Integrated Bridge Navigation & Communication Systems for Coastal Patrol / Interceptor Boats of the Coastal Security Wing, Odisha Police as per the schedule mentioned below.

Sl. No.	Name of Project
1.	Supply, Installation, Integration, Testing and Commissioning of Integrated Bridge Navigation & Communication Systems for Coastal Patrol / Interceptor Boats

Events	Date
RFP Issue Date	**30.10. 2026**
Date & Time of Pre Bid meeting Queries to be submitted to Mail ID: adgcs-odisha@gov.in by Date: 06.11.2026 by 05.00 PM.	In this connection a pre-proposal meeting will be held in virtual mode based on the request receive from bidder and the link will be sent through mail for the meeting. The pre-bid date is tentatively nature and subjected to postponement which be duly informed through mail intimated through Mail -A pre-bid meeting will be held in virtual mode, based on requests received from bidders; the meeting link will be sent by e-mail. The pre-bid date is tentative and subject to change, which will be intimated by e-mail from adgcs-odisha@gov.in
RFP Submission Due Date and time	20.11.2026 by 05:00 PM
Date & Time of Opening of Technical Bids	21.11.2026 at 05:00 PM
Bid to RA enabled	Yes
Date of opening of Financial Proposal	To be informed of technically qualified bidders
Expected Date of Commencement of Assignment	To be informed later
Bid Document Fee (Non-Refundable)	Bid Document Fee (Non-Refundable) (As Demand Draft from any scheduled commercial bank/nationalized bank in the name of "AIG of Police (Provisioning)" payable at "Cuttack") of Rs.5,900/- (Rupees Five Thousand Nine Hundred only) (Rs. 5,000/- + 18% GST of Rs. 900/-). **Note:** Scanned copy of the Demand Draft must be uploaded, and the original Demand Draft must be submitted, on or before the date and time of opening of Technical Bids, to: "A.I.G. of Police (Prov.), Odisha, Kataka, State Police Headquarters Odisha, Kataka"
Earnest Money Deposit (EMD) (Refundable)	EMD (Refundable) (As Demand Draft from any scheduled commercial bank/nationalized bank in the name of "AIG of Police

	(Provisioning)" payable at "kataka") of Rs. 4,60,000/- (Rupees Four Lakh Sixty Thousand Only) Note: Scanned copy of the Demand Draft (or MSE/Start-up exemption certificate, if applicable) must be uploaded, and the original Demand Draft must be submitted, on or before the date and time of opening of Technical Bids, to: "A.I.G. of Police (Prov.), Odisha, Kataka, State Police Headquarters Odisha, Kataka"
Performance Security (As Bank Guarantee from any scheduled commercial bank/nationalized bank in the name of Police Department, Odisha)	5% of the overall contract value *The performance security (in case of Bank Guarantee) shall remain valid up to* ***sixty (60) days beyond the date of completion of all contractual obligations of the supplier, including the warranty period****.*
RFP can be downloaded from	https://odishapolice.gov.in/ https://tendersodisha.gov.in/

The bid document with all information relating to the bidding process including cost of bid document, Prequalification criteria and terms & conditions are available in the websites: https://tendersodisha.gov.inThe Authority reserves the right to accept / reject any part thereof or all the bids without assigning any reason thereof.

A.I.G. of Police (Provisioning)
Odisha, Kataka.
(Tender Calling Authority)

SECTION-1:INSTRUCTION TO BIDDERS

1.1 **The Odisha Police** (Tender Inviting Authority) is a Govt. organization working under Home Department, Govt. of Odisha.

1.2 This 'Bid Document' contains the following: Section I: Instruction to bidders

Section II: General Definitions and Scope of Contract.

Section III: Tender Schedule

Section IV: General Conditions of Contract

Section V: Scope of Work, Technical Specifications and Other Conditions

Section VI: Formats for bidder for Submission of Bid (Technical bid)

Section VII: Annexes [Formats for the successful bidder (Supplier) after finalization of bid]

1.1 The bid documents published by the Bid Inviting Officer (Procurement Officer Publisher)in the **e-procurement portal** https://tendersodisha.gov.inwill appear in the "**Latest Active Tender**". The Bidders/ Guest Users can download the Bid documents from **30.10.2026 (date of publication) and submit it online up to the last date and time of submission specified in the Notice Inviting Bid, after** which the same will be removed from the list of "**Latest Active Tender**".

1.3 PARTICIPATION IN BID

1.3.1 **PORTAL REGISTRATION**:

The bidder intending to participate in the bid is required to **register in the e- procurement portal** using an active personal/official e-mail ID as his/her Login ID and attach his/her valid **Digital signature certificate (DSC) - Class II or III** to his/her unique Login ID. He/ She has to submit the relevant information as asked for about the bidder. The portal registration of the bidder is to be authenticated by the **State Procurement Cell** after **verification** of original valid certificates/documents such as (i) PAN and (ii) Registration Certificate (RC) / GST Certificate (for Procurement of Goods) of the concerned bidder. The time period of validity in the portal is co terminus with validity of RC/ GST. Any change of information by the bidder is to be re-authenticated by the State Procurement Cell. After **successful authentication**, bidder **can participate** in the **online bidding process.**

1.3.2 **LOGGING TO THE PORTAL**:

The Bidder is required to type his/her *Login ID* and password. *The* system *will again ask to* select the DSC and confirm it with the password of DSC as a second stage authentication. For each login, a user's DSC will be validated against its date of validity and also against the **Certificate Revocation List (CRL)** of respective CAs stored in system database. The system checks the unique Login ID, password and DSC combination and authenticates the login process for use of portal.

1.3.3 **DOWNLOADING OF BID**:

The bidder can download the bid of his / her choice and undertake the necessary preparatory work **off-line** and upload the completed bid before the closing date and time of submission.

1.3.4 **CLARIFICATION OF BID**:

The registered bidder can ask questions related to the online bid in the e-procurement portal before the pre-bid meeting. The Odisha Police Headquarter, At-Buxibazar, Kataka, will clarify queries related to the bid. Through e-mail by the e-mail ID: adgcs-odisha@gov.in and Contact

No. 0671-2339517 **or State e-Procurement cell help desk 1800-3456765, 0674-2530998 for assistance in this regard.**

1.3.5 PREPARATION OF BID

The detail guideline for preparation of bid is mentioned at General Conditions of Contract – Section IV

1.3.6 PAYMENT OF COST OF BID DOCUMENTS:

The detail guideline for payment of Cost of Bid Document is mentioned at General Conditions of Contract – Section IV

1.3.7 SUBMISSION AND SIGNING OF BID

The detail guideline for submission of & signing of bid is mentioned at General Conditions of Contract – Section IV

1.3.8 TIMELINE FOR DELIVERY OF GOODS/SERVICES AND PAYMENTS

As mentioned in the RFP. Successful bidders will be provided with an online tracking facility for knowing goods/services delivery status at consignee locations.

Note: (Uploading of files for submission of bid)

For management of space the bidders can serially arrange their scanned documents as per Format T1 (all pages should be signed by authorized signatory with seal and then to be scanned) and create two equalized PDF files and upload them to avoid any space constraint.

*The **BOQ** file (Excel file) is to be uploaded in the **price bid**.*

SECTION-2: GENERAL DEFINITIONS & SCOPE OF CONTRACT

2.1 General Definitions

2.1.1 *Department* means Odisha Police under Home Department, Government of Odisha.

2.1.2 *Government* means Government of Odisha.

2.1.3 *Bid / Tender Inviting Authority* is the Odisha Police or authorized person of Odisha Police (A.I.G. of Police (Provisioning), Odisha, Kataka, who on behalf of the User Institution/Government or the funding agencies calls and finalize bids and ensure supply, installation and after sales service of the equipment's procured under this bid document.

2.1.4 *Tender Evaluation Committee & Technical Committee* are Committees authorized by the D.G. & I.G. of Police, Odisha, Kataka to decide on the purchase of the items to be procured by the Odisha Police.

2.1.5 *User Institutions* are the Odisha Police under Home Department, Govt. of Odisha for which the items under this bid is procured.

2.1.6 *De-recognition/ Debarment* – the event occurring by the operation of the conditions under which the bidders will be prevented for a period of 3 years from participating in the future bids of Tender Inviting Authority, more specifically mentioned in the Scope of Work and Other Conditions (Section V) and General Conditions of Contract (Section IV) of this bid document, the period being decided on the basis of number of violations in the bid conditions and the loss/hardship caused to the Tender Inviting Authority on account of such violations.

2.2 Scope

2.1.7 The bids are invited for Supply, Installation, Integration, Testing and Commissioning of Integrated Bridge Navigation & Communication Systems for Coastal Patrol / Interceptor Boats (15 vessels) and one ECDIS at the Command and Control Centre of the Coastal Security Wing, Odisha Police, the details of which are mentioned in Section V of this RFP.

2.1.8 The bidders cannot withdraw their bid after opening of technical bid, within the minimum bid validity period of 180 days & also after accepting the Letter of Intent.

2.1.9 Withdrawal or non-compliance of agreed terms and conditions after the execution of the agreement will lead to invoking of penal provisions and may also lead to de-recognition/debarment.

SECTION-III: TENDER SCHEDULE

The Tender Schedule, including key dates, Bid Document Fee, Earnest Money Deposit (EMD) and Performance Security, is as specified in the Notice Inviting Bid at the beginning of this document. Any change in the schedule shall be notified only through corrigendum published on https://tendersodisha.gov.in.

SECTION-IV: GENERAL CONDITIONS OF CONTRACT

5.1 Contents of the Bid Document:

This 'Bid Document' contains the following:

Section I: Instruction to Bidders

Section II: General Definition & Scope of Contract. Section III: Tender Schedule

Section IV: General Conditions of Contract

Section V: Scope of Work, Technical Specifications and Other Conditions

Section VI: Formats for bidder for Submission of Bid (Technical Bid)

Section VII: Annexes [Formats for the successful bidder (Supplier) after finalization of bid]

5.2 Bid Document:

5.2.1 The detailed technical specifications and terms and conditions governing the supply and quality-related matters are in the "Bid Document".

5.2.2 The bid document shall be made available on the **https://tendersodisha.gov.in**for downloading. Bidder shall submit Bid Document cost (mentioned in Section III) and non-submission of the same shall be one of the primary reasons for rejection of the offer in the first round.

5.2.3 The documents shall be submitted online through the e-Tender portalhttps://**tendersodisha.gov.in**Bidders have to enroll themselves in the e-procurement portal and a digital signature certificate is required.

5.2.4 The **general guidelines** on the **e-Tender** process is as mentioned below:

5.2.4.1 Bidders should have a Class II or III Digital Signature Certificate (DSC) to be procured from any Registration Authorities (RA) under the Controller of certifying agency (CCA). Once, the DSC is obtained, bidders have to **register** in the **e-procurement portal https://tendersodisha.gov.in**for participating in this bid. Website registration is a one-time process without any registration fees. However, bidders have to procure DSC at their own cost.

5.2.4.2 Bidders may contact State e-Procurement cell help desk 1800- 3456765, 0674-2530998 for assistance in this regard.

5.2.4.3 The e-Tender process comprises the stages viz. downloading the bid document, pre-bid meeting (as applicable to each bid), bid submission (technical cover and financial cover), opening of technical bid and opening of financial bids for the technically qualified bidders.

5.2.4.4 **Payment of Bid Document Cost**:

The **details of payment of document cost** is mentioned in the RFP.

5.2.4.5 The details of documents (in PDF format) for online submission of technical bid is mentioned in the RFP.

5.2.4.6 The blank price bid format should be downloaded and saved on bidder's computer without changing the file name (otherwise price bid will not get uploaded). The bidder should fill in the details in the same file and upload the same back on the website.

5.2.4.7 Prices quoted by the Bidder shall be fixed during the bidder's performance of the contract and not subject to variation on any account. However statutory taxes & duties will be paid as per prevailing rates. A bid submitted with an adjustable/variable price quotation will be treated as non - responsive and rejected.

5.3 Responsibility of Verification of Contents of Bid Document:

5.3.1 The purchasers of the bid document shall examine all instructions, forms, terms and specifications in the Bid Document and verify that all the contents mentioned in the 'Bid Document'.

5.3.2 Failure to furnish any information required by the bid documents and submission of an offer not substantially responsive to it in every respect shall be at the bidder's risk and may result in the rejection of the bids, without any further notice.

5.4 Guidelines for Preparation of Bid

5.4.1 The Bidder shall bear all costs associated with the preparation and submission of its bid and Odisha Police, hereinafter referred to as "Tender Inviting Authority", will in no case be responsible or liable for these costs, and regardless of the conduct or outcome of the bidding process. The **documents to be submitted** online is mentioned in the bid document.

5.4.2 In the event of documentary proof as required being not enclosed, the Bid shall be liable to be rejected. All pages of the bid, shall be signed by the authorized person(s) along with the stamp of the bidder.

5.4.3 Language of Bid:- The Bid prepared by the bidder and all correspondence and documents relating to the bid exchanged by the bidder and the Tender Inviting Authority, shall be in English language. Supporting documents and printed literature furnished by the bidder may be written in another language provided they are accompanied by an authenticated accurate translation of the relevant passages in the English language in which case, for purposes of interpretation of the Bid, the English translation shall govern.

5.4.4 The bid (in English Language only) for the supply of items mentioned in the RFP shall be submitted along with detailed specifications.

5.4.5 The documentary evidence regarding past performance shall be submitted along with the Bid shall be produced duly attested by the bidder on every page and serially numbered. Any interlineations, erasures or overwriting shall be valid only if they are initialed by the person (s) signing the offer.

5.4.6 Bidder shall submit a **declaration letter** as per Format T5 signed by the bidder or the authorized representative and shall enclose it as part of the technical bid as a proof of having read and accepted the terms and conditions of the bid document.

5.4.7 An offer submitted in vague /ambiguous financial terms and the like, shall be termed as non-responsive and shall be summarily rejected.

5.4.8 Clarifications to specific requests shall be responded and general clarifications, affecting all the bidders shall be published in the official website of the Tender Inviting Authority e-procurement portal Tender Odisha **https://tendersodisha.gov.in**. However, it shall be the duty of the prospective bidder to ensure that the clarifications sought for has been properly received in time by the Tender Inviting Authority.

5.4.9 Any clarification on the e-Tender procedure shall be obtained from Odisha Police.

5.5 Payment for e-Tenders (Bid document Cost)

5.5.1 The bidder has to submit the bid document cost as mentioned in Section–III and non-submission of Bid Document Cost as mentioned in Section III shall be one of the primary reasons for rejection of the offer in the first round.

5.5.2 All bidders shall pay the bid document cost as per the instructions provided in the Notice Inviting Bid / Section III.

5.5.3 Bidders are **liable to pay bid document cost**.

5.6 Deadline for Submission of Bid

5.6.1 Bidders shall upload all the necessary documents in the e-Tender portal before the last date & time for online submission.

5.6.2 The Tender Inviting Authority may, at its discretion, extend the deadline for submission of Bid, in which case all rights and obligations of the Tender Inviting Authority and the bidders shall remain unaffected.

5.7 Modification and Withdrawal of Bids

5.7.1 The bidder can modify or withdraw bids submitted online before the last date &time of online submission.

5.8 Period of Validity of Bid

5.8.1 The bid must remain valid for minimum 180 days (Six months) from the date of opening of technical bid. A bid valid for a shorter period shall be rejected by the Tender Inviting Authority as non-responsive.

5.8.2 The bidder can't withdraw their bid within the bid validity period.

5.8.3 Withdrawal or non-compliance of bid terms and conditions after the issuance of Supply Order will lead to de-recognition/ debarment of the successful bidder.

5.9 Rejection/Cancellation of Bids:

5.9.1 The bids shall be rejected in case the bidder fails to meet the pre-qualification criteria.

5.9.2 At any point of time, the Tender Inviting Authority reserves the right to reject the bid if the bidder fails to fulfill the terms & conditions of the bid document including technical specification, factory inspection, furnish of relevant document as per the satisfaction of Tender Inviting Authority.

5.9.3 Any pre-condition by the bidder contradicting to the tender terms & conditions or non-compliance to product specification.

5.9.4 The Tender Inviting Authority reserves the right to cancel the tender for all items or for any one or more of the items tendered without assigning any reasons thereof.

5.10 Notices

5.10.1 The Tender Inviting Authority shall publish the following information on its website or e-Tender portal at the appropriate time as part of ensuring transparency in the bid process;

5.10.1.1 The bid notices, documents, corrigendum, addendum etc. if any.

5.10.1.2 Amendments to the bid conditions, if any, especially after the pre-bid meeting

5.10.1.3 Results of the responsiveness of the technical bids and minor infirmities/clarifications sought.

5.10.1.4 List of bidders qualified and reasons for rejection of unqualified bidders.

5.10.1.5 Final List of technically qualified bidders.

5.10.1.6 Summary of Online price bid opening.

5.10.2 Notice, if any, relating to the contract given by one party to the other, shall be sent in writing by email or fax and confirmed by post. The procedure will also provide the sender of the notice, the proof of receipt of the notice by the receiver. The addresses of the parties for exchanging such notices will be the addresses as incorporated in the contract.

5.10.3 The effective date of a notice shall be either the date when delivered to the recipient or the effective date specifically mentioned in the notice, whichever is later.

5.11 Other Terms and Conditions

5.11.1 Specifications and Standards: - The Goods & Services to be provided by the successful bidder under this contract shall conform to the specifications and quality control parameters mentioned in the RFP.

5.11.2 The bidder shall be responsible for payment of any charges due to any statutory authorities such as Income Tax, GST and Customs Duties etc.

5.11.3 In the event if it found that there is some statutory deduction to be made at the source, the Tender Inviting Authority will have the authority to do so.

5.12 Submission of Queries

5.14.1 Queries regarding tender terms & conditions must reach the Tender Inviting Authority by e-mail at *adgcs-odisha@gov.in* by the date and time specified for pre-bid queries in the Notice Inviting Bid. The Tender Inviting Authority may or may not amend the terms and conditions as well as technical specifications of the bid document on the basis of feedback obtained with a view to obtain maximum number of competitive bids.

5.13 Amendment of Bid Documents:

5.13.1 At any time prior to the deadline for submission of Bid, the Tender Inviting Authority may, for any reason, modify the bid document by amendment and publish it in e-tender portal and Odisha Police website.

5.13.2 The Tender Inviting Authority shall not be responsible for individually informing the prospective bidders for any notices published related to each bid. Bidders are advised to browse e-Tender portal or website of the Tender Inviting Authority for information/general notices/amendments to bid document etc. on a day-to-day basis before submission of bid.

5.14 Submission of Bid

5.14.1 The bids are to be submitted **on-line** in two parts in the e-Tender portal. Each process in the e-procurement is time stamped and the system can detect the time of log in of each user including the Bidder.

5.14.2 PART-I as TECHNICAL BID shall be submitted **on-line only** in the e-Tender portal with all the required documents as mentioned in **the RFP**

5.14.3 **PART II as PRICE BID** (in the required Format) shall be submitted **online only**. The price bid format (excel sheet available in e-Tender portal) is specific to a bid and is not interchangeable. The price bid format file shall be downloaded from the e-Tender portal and the bidders shall quote the prices in the respective fields before uploading it. All **white** areas of BOQ file shall be filled by the bidder. The **grey areas** of BOQ shall not be modified/ edited by the bidder. The Price bids submitted in **any other formats** will be treated as **non-responsive**. Multiple price bid submission by bidder shall lead to cancellation of bid.

5.14.4 The bidder should **check** the **system generated confirmation statement** on the status of the submission.

5.14.5 SIGNING OF BID

The bidder shall sign on all statements, documents, certificates uploaded by him, owning responsibility for their correctness / authenticity. If any of the information furnished by the bidder is found to be false /fabricated/ bogus, the EMD shall stand forfeited & his/her name shall be recommended for blocking of portal registration and the bidder is liable to be de-recognition/debarment.

5.14.6 SECURITY OF BIDSUBMISSION:

5.14.6.1 All bids uploaded by the bidder to the e-procurement portal will be encrypted.

5.14.6.2 The encrypted bid can only be decrypted / opened by the authorized openers on or after the due date and time.

5.14.7 RESUBMISSION AND WITHDRAWAL OFBIDS:

5.14.7.1 Resubmission of bid by the bidders for any number of times before the final date and time of submission is allowed.

5.14.7.2 Resubmission of bid shall require uploading of all documents including price bid afresh.

5.14.7.3 If the bidder fails to submit his modified bids within the pre-defined time of receipt, the system shall consider only the last bid submitted.

5.14.7.4 The Bidder can withdraw it's bid before the closure date and time of receipt of the bid. The system shall not allow any withdrawal after expiry of the closure time of the bid.

5.14.7.5 The bidder should avoid submission of bid at the last moment to avoid inconvenience.

5.14.7.6 The details of the documents to be uploaded **online** are mentioned in **Format T1 (Check List) of Section VI**

Note: No price information to be furnished in the technical bid.

5.15 *Opening of Technical Bid*

5.15.1 The technical bid opening is **online**. The date of technical bid opening is published in advance. The date of opening of price bid will be decided after the technical bid evaluation and those who qualify in the technical bid evaluation shall be informed in advance through online notice.

5.15.2 The **on-line opening** of the technical bid and the price bid shall be done by the Tender Inviting Authority or his authorized representatives as per bid schedule. The prospective bidders or his/her representative can access to the on-line bid opening by logging in to the e-Tender portal with the registered digital signature. Bidders or his/her representative may not come to the office of the Tender Inviting Authority for the opening of either technical or price bids.

5.15.3 In the event of the specified date for opening of bid being declared holiday, the Bid shall be opened at the appointed time and venue on the next working day.

5.15.4 In the event of the claims in the on-line documents are materially missing or of substantial error or unqualified for want of required qualifications, the bid shall be rejected. However, minor infirmities in the submission of documents will be allowed to be rectified by obtaining required clarification by the Tender Inviting Authority so as to ensure qualification of maximum number of competitive offers to the final round.

5.15.5 The bidder shall be **responsible** for **properly uploading** the relevant documents (in the format specified) in the **e-Tender portal** in the specific location and the Tender Inviting Authority shall not be held liable for errors or mistakes done while uploading the on-line bid.

5.15.6 The date and time of Price Bid will be announced only after the opening of the Technical Bid, Technical Evaluation and sample verification of the item(s) offered.

5.16 *Evaluation of Bid*

5.16.1 The Evaluation will be done by Tender Evaluation Committee.

5.16.1.1 The documents submitted as part of the technical bids shall be scrutinized by a Tender Evaluation Committee duly appointed.

5.16.1.2 The Tender Evaluation Committee may also verify the veracity of claims in respect of the known performance of the item(s) offered, the experience and reputation of bidder in the field, the financial solvency etc.

5.16.1.3 The decisions of the Tender Evaluation Committee on whether the bidders are responsive or non-responsive or requiring clarifications will be published.

5.16.1.4 The details of price bid evaluation is mentioned at Clause No.5.21

5.17 *Sample Verification of the item(s):*

5.17.1 The Tender Inviting Authority's contractual right to inspect, test and, if necessary, shall reject the goods after the goods' arrival at the final destination shall have no bearing of the fact that the goods have previously been inspected and cleared by Tender Inviting Authority's inspector during sample / software verification as mentioned above.

5.18 *Price Bids Opening:-*

5.18.1 The price bid of the technically qualified bidders shall be opened online by the Tender Inviting Authority or his authorized representative.

5.18.2 Price Offered shall be in **Indian Rupees**. All the rates and amounts shall be quoted in Indian Rupees (IR) and shall be presumed to be in Indian Rupees unless specifically

permitted to be quoted otherwise in this tender document. However an OEM located outside the country may quote its price in the Currency of the country to which he belongs but the same shall be converted to INR at the exchange rate prevailing on the date of opening of Tender and the same will be binding on both parties

5.18.3 Fixed price: Prices quoted by the Bidder shall be fixed during the period of the contract and not subject to variation on any account.

5.18.4 There shall also be no hidden costs.

5.18.4.1 Bidder shall quote prices in all necessary fields in the available format. The price shall be entered separately in the following manner:

5.18.4.2 Applicable GST shall be quoted in the specified column in numeric values (If the field is left blank, value will be taken as zero) in the BOQ/Price Bid format.

5.18.4.3 The bidders shall offer the price which shall be inclusive of all the accessories (if any) mentioned in the RFP.

5.18.4.4 Bidders in no way can alter/modify the price bid/ BOQ format, if so he is liable for disqualification.

5.18.4.5 No bidder shall be allowed at any time on any ground, whatsoever it may be, to claim revision or modification in the rates quoted by him (Except any change made by the NPPA/Govt.). Representation to make correction in the tender documents on the ground of Clerical error, typographical error, etc., committed by the bidder in the Bids shall not be entertained after submission of the tenders. Conditions such as "SUBJECT TO AVAILABILITY" "SUPPLIES WILL BE MADE AS AND WHEN SUPPLIES ARE RECEIVED" etc., will not be entertained under any circumstances and the tenders of those who have given such conditions shall be treated as incomplete and accordingly the Tender will be rejected.

5.19 *Price Bid Evaluation*

5.19.1 The quoted rate should include excise / customs duty, transportation, insurance, packing & forwarding or any other incidental charges for door delivery at the warehouses & GST. The price bid evaluation of an item will be made by comparison of basic quoted prices of each bidder excluding GST. The lowest eligible bidder i.e. (L1) bidder will be the bidder who has quoted the lowest basic price in BOQ, out of the rest bidders for that item.

5.19.2 In case of any discrepancy in quoted GST percentage in BOQ by different bidders for a similar item(s). Then price bid evaluation for that item will be finalized after getting clarification from bidders as well as from tax department.

5.19.3 The Bidders shall be asked to participate in the Reverse Auction process to further improve the competition.

5.19.4 The Quoted Price or the Price discovered through the Reverse Auction process of all successful Qualifying bidders shall be evaluated and consequently the Least Cost shall be termed as L1 bid and shall be awarded the LoA/LoI.

5.20 *Award of Contract*

5.20.1 The contract is awarded by the competent authority on the basis of LCS (L1) mode of evaluation. Reverse Auction shall be conducted as the discretion of the Odisha Police Department.

5.20.2 Variation of Quantities at the Time of Award/ Currency of Contract:-At the time of awarding the contract, the Tender Inviting Authority reserves the right to increase or decrease substantially the quantity of goods (rounded off to next whole number) without any change in the unit price and other terms & conditions quoted by the bidder.

5.21 *Notification of Award/Letter of Intent (LOI)*

5.21.1 Within the bid validity period, the Tender Inviting Authority will notify the list of successful bidder (s) in tender portal or website of Odisha Police before issuing the Letter of Intent (LOI).

5.21.2 The successful bidder(s), upon receipt of the LOI, shall deposit the prescribed performance security within **15 (Fifteen)** days.

5.21.3 The Notification of Award shall constitute the formation of the Contract.

5.22 *Signing of Contract*

5.22.1 The successful bidder shall execute an agreement in a format which will be provided to the successful bidder along with the LOI to ensure satisfactory supply and after sales support.

5.22.2 The successful bidder shall submit the bank guarantee in the format as per Annexure in Section VII.

5.22.3 Promptly after notification of award, within ten days from the date of the letter of intent, the successful bidder shall execute the contract (as per agreement) on Rs.100/- stamp paper purchased in the name of the successful bidder, duly signed and dated, to the Tender Inviting Authority by registered / speed post or in person.

5.22.4 Assignment: -The Successful bidder shall not assign, either in whole or in part, its contractual duties, responsibilities and obligations to perform the contract, except with the Tender Inviting Authority's prior written permission.

5.22.5 Sub Contracts: - The Successful bidder shall not sub contract the execution of the contract. Such action, if done without the knowledge of the Tender Inviting Authority prior to the entering of the contract, shall not relieve the Successful bidder from any of its liability or obligation under the terms and conditions of the contract.

5.22.6 Modification of contract: - If necessary, the Tender Inviting Authority may, by a written order given to the successful bidder at any time during the currency of the contract, amend the contract by making alterations and modifications within the general scope of contract in any one or more of the following:

5.22.6.1 Incidental services to be provided by the successful bidder.

5.22.6.2 Any other term(s) of the contract, as felt necessary by the Tender Inviting Authority depending on the merits of the case.

5.22.7 In the event of any such modification/alteration causing increase or decrease in the cost of goods and services to be supplied and provided, or in the time required by the successful bidder to perform any obligation under the contract, an equitable adjustment shall be made in the contract price and/or contract delivery schedule, as the case may be, and the contract amended accordingly.

5.22.8 If the successful bidder doesn't agree to the adjustment made by the Tender Inviting Authority, the successful bidder shall convey its views to the Tender Inviting Authority within ten days from the date of the successful bidder's receipt of the Tender Inviting Authority amendment / modification of terms of the contract.

5.23 *Performance Security*

5.23.1 Performance Security for an amount equal to 5% of LOI/LOA supply order value excluding Taxes shall be paid upfront within **15 days** of issue of LOI/ supply order in form of Irrevocable Bank Guarantee from any Nationalized / Scheduled Bank in favour of the A.I.G. of Police (Provisioning), Odisha, Kataka in the format as given in Annexure I with validity for a period **of 26 months** from the date of execution of the agreement

5.23.2 For subsequent order (s)/ emergency situations, the successful supplier shall deposit performance security for an amount equal to 5% of P.O. value excluding Taxes within 15 days of issue of purchase order in shape of Irrevocable Bank Guarantee from any Nationalised / Scheduled Bank in favour of the Odisha Police valid for a period of 26 **months** from the date of execution of the agreement.

5.23.3 Upon receipt of performance security, the Tender Inviting Authority shall issue the Supply Orders containing the terms and conditions for the execution of the order.

5.23.4 Failure of the successful bidder in providing performance security mentioned in Section III.

5.23.5 The Performance security shall be denominated in Indian Rupees as detailed below:

5.23.5.1 It shall be in only be in the forms Bank Guarantee issued by a Scheduled/Nationalized bank in India, in the prescribed form (Annexure I in section 7) as provided in this document endorsed in favor of the Tender Inviting Authority.

5.23.5.2 In the event of any failure /default of the successful bidder with or without any quantifiable loss to the government, the amount of the performance security is liable to be forfeited.

5.25.1 In the event of any amendment issued, the successful bidder shall, within

(15) days of issue of the amendment, furnish the corresponding amendment to the Performance Security (as necessary), rendering the same valid in all respects in terms of the contract, as amended.

5.25.2 Tender Inviting Authority will release the Performance Security without any interest to the successful bidder on completion of warranty period from the date of execution of the agreement.

5.26 *Supply Conditions*

5.26.1 The tender inviting authority may place the purchase order in a phased manner during

the rate contract period wherever applicable. The Purchase orders will be issued through E- mail followed by Speed Post/Courier.

5.26.2 (a) The successful bidder shall have to supply the item(s) within the **stipulated** period (60days), at the warehouses/ Supply points as mentioned in the RFP.

5.26.3 In case the supplied item(s) not delivered within the stipulated delivery period, the Tender Inviting Authority shall deduct **Liquidated Damage (LD) charges** as per the bid conditions.

5.26.4 The successful bidder(s) will arrange transportation of the ordered goods as per its own procedure and pay necessary insurance against loss or damage incidental to manufacture or acquisition, transportation, storage and delivery and pay all incidental charges till it reaches at consignee point. It shall be ensured by the supplier that the item(s) delivered at the destination(s) in working and good condition as per Bid Document.

5.27 Payment terms:

5.27.1 No advance payments towards the cost of items will be made to the bidder.

5.27.2 Payments shall be made after successful Installation, inspection of the items, completion of crew training, handover of all documentation and acceptance by the competent authority.

5.27.3 The original invoice submitted shall be in the name of the Tender Inviting Authority and the name of the consignee shall be mentioned in it.

5.27.4 Where there is a statutory requirement for tax deduction at source, such deduction towards income tax and other taxes as applicable will be made from the bills payable to the Successful supplier at rates as notified from time to time.

5.27.5 AMC charges, if awarded, shall be paid quarterly in arrears on satisfactory completion of the scheduled preventive-maintenance visits, after deduction of penalties, if any.

5.28 Intellectual Property Rights (IPR)

5.28.1 The successful bidder shall, at all times, indemnify and keep indemnified the Tender Inviting Authority, free of cost, against all claims which may arise in respect of goods & services to be provided by the successful bidder under the contract for infringement of any intellectual property rights or any other right protected by patent, registration of designs or trademarks.

5.28.2 In the event of any such claim in respect of alleged breach of patent, registered designs, trademarks etc. being made against the Tender Inviting Authority, the Tender Inviting Authority shall notify the successful bidder of the same and the successful bidder shall, at his own expenses take care of the same for settlement without any liability to the Tender Inviting Authority.

5.28.3 The Successful bidder/its Indian Agent shall at all times, indemnify and keep indemnified the Tender Inviting Authority/ Government of India against all claims/ damages etc. for any infringement of any Intellectual Property Rights (IPR) while providing its services.

5.29 Corrupt or Fraudulent Practices

5.29.1 It is required by all concerned namely the User Institution/ Bidders/ Successful bidders etc to observe the highest standard of ethics during the procurement and execution of such contracts. In pursuance of this policy, the Tender Inviting Authority defines, for the purposes of this provision, the terms set forth below as follows:

5.29.2 "corrupt practice" means the offering, giving, receiving or soliciting of anything of value to influence the action of a public official in the procurement process or in contract execution; and

5.29.3 "fraudulent practice" means a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of the Tender Inviting Authority, and includes collusive practice among Bidders (prior to or after Bid submission) designed to establish Bid prices at artificial non- competitive levels and to deprive the Tender Inviting Authority of the benefits of free and open competition;

5.29.4 Tender Inviting Authority will reject a proposal for award if it determines that the bidder recommended for award has engaged in corrupt or fraudulent practices in competing for the contract in question; will declare a firm ineligible, either indefinitely or for a stated period of time, to be awarded a contract by the Tender Inviting Authority if it at any time determines that the firm has engaged in corrupt or fraudulent practices in competing for, or in executing the contract.

5.29.5 No bidder shall contact the Tender Inviting Authority or any of its officers or any officers of the government on any matter relating to its bid, other than communications for clarifications and requirements under this bid in writing, with an intention to influence the members of various committees or officials of Tender Inviting Authority. Any such effort by a bidder to influence the Tender Inviting Authority in the Tender Inviting Authority's bid evaluation committee, bid comparison or contract award decisions may result in rejection of the bid.

5.30 Force Majeure

5.30.1 For purposes of this clause, Force Majeure (FM) means extraordinary events or circumstance beyond human control such as an event described as an act of God (like a natural calamity) or events such as a war, strike, riots, crimes (but not including negligence or wrong-doing, predictable/seasonal rain and any other events specifically excluded in the clause).

5.30.2 An FM clause in the contract frees both parties from contractual liability or obligation when prevented by such events from fulfilling their obligations under the contract. An FM clause does not excuse a party's non-performance entirely, but only suspends it for the duration of the FM. The firm has to give notice of FM as soon as it occurs (**within 7 days**) and it cannot be claimed ex-post facto.

5.30.3 There may be an FM situation affecting the purchase organisation only. In such a situation, the purchase organisation is to communicate with the supplier along similar lines as above for further necessary action. If the performance in whole or in part or any obligation under this contract is prevented or delayed by any reason of FM for a period exceeding **60 (Sixty)**

days, either party may at its option terminate the contract without any financial repercussion on either side. Notwithstanding the punitive provisions contained in the contract for delay or breach of contract, the supplier would not be liable for imposition of any such sanction so long as the delay and/ or failure of the supplier in fulfilling its obligations under the contract is the result of an event covered in the FM clause.

5.31 Resolution of Disputes

5.31.1 If dispute or difference of any kind shall arise between the Tender Inviting Authority and the successful bidder in connection with or relating to the contract, the parties shall make every effort to resolve the same amicably by mutual consultations.

5.32 Applicable Law & Jurisdiction of Courts

5.32.1 The contract shall be governed by and interpreted in accordance with the laws of India for the time being in force.

5.32.2 All disputes arising out of this bid will be subject to the jurisdiction of courts of law in **Kataka** / High Court of Orissa.

5.33 General/ Miscellaneous Clauses

5.33.1 Nothing contained in this Contract shall be constructed as establishing or creating between the parties, i.e. the Successful bidder on the one side and the Tender Inviting Authority on the other side, a relationship of master and servant or principal and agent.

5.33.2 Any failure on the part of any Party to exercise right or power under this Contract shall not operate as waiver thereof.

5.33.3 The Successful bidder shall notify the Tender Inviting Authority of any material change that would impact on the performance of its obligations under this Contract.

5.33.4 The Successful bidder shall, at all times, indemnify and keep indemnified the Tender Inviting Authority / Government of Odisha against any claims in respect of any damages or compensation payable in consequences of any accident or injury sustained or suffered by its employees or agents or by any other third party resulting from or by any action, omission or operation conducted by or on behalf of the successful bidder/its associate/affiliate etc.

5.33.5 All claims regarding indemnity shall survive the termination or expiry of the contract.

5.34 Penalties for Non-performance

5.34.1 The penalties to be imposed at any stage under this bid are;

5.34.1.1 Imposition of liquidated damages,

5.34.1.2 Forfeiture of performance security

5.34.1.3 Cancellation of Purchase Order and termination of the contract

5.34.1.4 De-recognition/ debarment of the bidder/supplier

5.34.2 Failure to produce the requisite certificates after claiming to possess suchcertificatesorconcealmentormisrepresentationoffactswillnotonlyleadtorejection of

bids in the first round itself and/or may lead to forfeiture of performance security as well as result in de-recognition/ debarment of the bidder.

5.34.3 The penalties to be imposed on the bidder, at any stage, will be decided on the basis of the violations of number of bid conditions specifically mentioned in the bid document as that leading to forfeiture of Performance Security or leading to de-recognition/debarment.

5.34.4 Any unexcused delay by the successful bidder in maintaining its contractual obligations towards delivery of goods and performance of services shall render the successful bidder liable to any or all of the following sanctions:

5.34.5 **Liquidated Damages**:- will be charged for delayed supply as follows–

a) The supplier has to supply the indent within the time specified in the supply order. Failure to supply the indent in full within the stipulated period as mentioned in the supply order may lead to forfeiture of Performance Security and blacklisting of the suppliers. If at all the delivery is allowed to be accepted after the due date, Liquidated Damages (LD) @ 0.5% of the total amount of order (excluding taxes) per week or part thereof shall be charged, however, that the L.D. shall not exceed 5% of the amount of order.

5.34.6 The decision to impose penalties and finally to **de-recognition/debarment** the defaulting firm will be final and shall be binding on all bidders participating in the bid.

5.35 De-recognition/Debarment

5.35.1 Odisha Police shall **de-recognize/ debar** the defaulting supplier for any item for a period up-to **3(three) years** from the date of issue of De-recognition/Debarment order on the following grounds:

(i) For non-performance of contract provisions, non-supply / part-supply **(To be decided by the Tender Inviting authority)** as per purchase order during the validity of the rate contract period.

(ii) Any material breach of contract, including delay or failure in supply, supply of sub-standard/non-conforming items. Violation of specifications, warranty or statutory obligations, adversely affecting Odisha Police interests.

(iii) Any unethical, fraudulent or prejudicial conduct, including submission of false documents, corrupt or collusive practices, warranting de-recognition in public interest.

(iv) Any fraudulent practice, misrepresentation, submission of false or fabricated documents /information, or non-performance/breach of any contractual obligation by the bidder/firm shall render the bidder/firm liable for appropriate contractual action, including forfeiture of security / performance guarantee, imposition of penalty/liquidated damages, termination of contract, and debarment/blacklisting, as applicable, in accordance with the terms and conditions of the RFP/contract and the applicable rules.

5.35.2 If 3 (three) or more items supplied by the supplier are declared as de- recognized/debarred on quality grounds, then the firm itself will be de- recognized/debarred by Odisha Police.

5.35.3 The bidder can be de-recognized/debarred by Odisha Police up-to a period of 3 years in case

it is found at the time of evaluation/verification/inspection/at any point of time till the end of contract period, that the bidder has furnished forged documents/false information along with the bid.

5.35.4 The de-recognition/debarment provisions will apply without prejudice to other penal provisions as per the tender terms &conditions.

5.35.5 The penalties imposed by the Tender Inviting Authority will be published on the website of the Tender Inviting Authority for a period as decided appropriate.

5.36 Termination of Contract

5.36.1 Termination for default:- The Tender Inviting Authority, without prejudice to any other contractual rights and remedies available to it (the Tender Inviting Authority), may, by written notice of default sent to the successful bidder, terminate the contract in whole or in part, if the successful bidder fails to deliver any or all of the goods or fails to perform any other contractual obligation(s) within the time period specified in the contract, or within any extension thereof granted by the Tender Inviting Authority.

5.36.2 In the event of the Tender Inviting Authority terminating the contract in whole or in part, the Tender Inviting Authority may procure goods and/or services similar to those cancelled, with such terms and conditions and in such manner as it deems fit and the successful bidder shall be liable to the Tender Inviting Authority for the extra expenditure, if any, incurred by the Tender Inviting Authority for arranging such procurement.

5.36.3 Unless otherwise instructed by the Tender Inviting Authority, the successful bidder shall continue to perform the contract to the extent not terminated.

5.36.4 Termination for insolvency: If the successful bidder becomes bankrupt or otherwise insolvent, the Tender Inviting Authority reserves the right to terminate the contract at any time, by serving written notice to the successful bidder without any compensation, whatsoever, to the successful bidder, subject to further condition that such termination will not prejudice or affect the rights and remedies which have accrued and / or will accrue thereafter to the Tender Inviting Authority.

5.36.5 Termination for convenience:- The Tender Inviting Authority reserves the right to terminate the contract, in whole or in part for its (Tender Inviting Authority's) convenience, by serving written notice on the successful bidder at any time during the currency of the contract. The notice shall specify that the termination is for the convenience of the Tender Inviting Authority.The notice shall also indicate inter-alia, the extent to which the successful bidder's performance under the contract is terminated, and the effective date of such termination.

5.37 Amendment of RFP :

- At any time prior to the deadline for submission of Bids, Odisha Police may, for any reason, whether at its own initiative or in response to clarifications requested by a Bidder, modify the RFP by the issuance of Addendum or a Corrigendum. An addendum or a corrigendum thus issued will be a part of the RFP and shall be www.tendersodisha.gov.in , Odisha Police will assume no responsibility for receipt of the Addendum or Corrigendum.

- To accord the Bidder a reasonable time for taking an Addendum into account, or for any other reason, Odisha Police may, at its own discretion, extend the Bid Due Date.

5.38 Proprietary Data

All documents and other information supplied by Odisha Police or submitted by a Bidder to Odisha Police shall remain or become the property of Odisha Police. Bidder(s) are to treat all information as strictly confidential and shall not use it for any purpose other than for preparation and submission of their Bid. Odisha Police shall not return any Bid, or any information provided therewith.

5.39 Confidentially

Information relating to the examination, clarification, evaluation, and recommendation for the Bidder shall not be disclosed to any person who is not officially concerned with the process or is not a retained professional advisor advising Odisha Police in relation to or matters arising out of or concerning the Bidding Process. Odisha Police will treat all information, submitted as part of the Bid, in confidence and will require all those who have access to such material to treat the same in confidence. Odisha Police may not divulge any such information unless it is directed to do so by any statutory entity that has the power under law to require its disclosure or is to enforce or assert any right or privilege of the statutory entity and/ or Odisha Police.

5.40 Service Level Agreement (SLA)

- The Bidder should meet the following SLAs during the warranty period; however, a separate SLA agreement will be executed with a successful Bidder when the project is awarded and accepted.
- The SLA is designed for rapid response to mission critical service, hardware, DC and software application emergency. The time between the initial request for service and the time a technical person respond to the request should not exceed 24 hour. The Resolution for permanent solution to an emergency should be within 72 hours or **else a standby Item to be provided at no cost till repair.**
- The Service level agreement would be valid for the complete period of contract. This SLA may be reviewed and revised according to the procedure detailed in SLA Change Control Mechanism.

5.41 Resolution of Disputes

If dispute or difference of any kind shall arise between the Tender Inviting Authorityandthesuccessfulbidderinconnectionwithorrelatingtothecontract, the parties shall make every effort to resolve the same amicably by mutual consultations.

5.42 Arbitration, Applicable Law & Jurisdiction of Courts

- Except as otherwise provided elsewhere in the contract, if any dispute, difference, question or disagreement arises between the parties hereto or their respective representatives or assignees, at any time in connection with construction, meaning, operation, effect, interpretation or out of the contract or breach thereof, the same shall be decided by Sole

Arbitrator to be appointed by Odisha Police.

- If the Arbitrator so appointed dies, resigns, incapacitated or withdraws for any reason from the proceedings, another Arbitrator shall be appointed by Odisha Police. The Arbitrator so appointed shall proceed with the reference from the stage, where his predecessor had left if both parties consent for the same, otherwise, he shall proceed de novo. It is a term of the contract that the party invoking arbitration shall specify all disputes to be referred to arbitration at the time of invocation of arbitration and not thereafter. It is also a term of the contract that neither party to the contract shall be entitled to seek interest and the arbitrator should not grant interest.
- The Arbitral Tribunal shall give reasoned award and the same shall be final, conclusive and binding on the parties. The venue of the arbitration shall be Bhubaneswar and language will be English. Fees of the Arbitrator and expenses incidental to the arbitration proceedings shall be borne equally by the parties. Subject to as aforesaid, the provisions of Arbitration and Conciliation Act, 1996 and any statutory modifications or re- enactment in lieu thereof shall apply to the arbitration proceedings under this Clause.
- Subject to above, the Courts in Bhubaneswar alone shall have jurisdiction in this matter.
- The contract shall be governed by and interpreted in accordance with the laws of India for the time being in force.
- All disputes arising out of this bid will be subject to the jurisdiction of courts of law in Bhubaneswar / High Court of Orissa.

5.43 General/ Miscellaneous Clauses

- Nothing contained in this Contract shall be constructed as establishing or creating between the parties, i.e. the Successful bidder on the one side and the Tender Inviting Authority on the other side, a relationship of master and servant or principal and agent.
- Any failure on the part of any Party to exercise right or power under this Contract shall not operate as waiver thereof.
- The Successful bidder shall notify the Tender Inviting Authority of any material change that would impact on the performance of its obligations under this Contract.
- The Successful bidder shall, at all times, indemnify and keep indemnified the Tender Inviting Authority / Government of Odisha against any claims in respect of any damages or compensation payable in consequences of any accident or injury sustained or suffered by its employees or agents or by any other third party resulting from or by any action, omission or operation conducted by or on behalf of the successful bidder/its associate/affiliate etc.
- All claims regarding indemnity shall survive the termination or expiry of the contract.

5.44 Fall Clause

The prices charged for the supplies under the contract by the successful bidder shall in no event exceed the lowest price at which the successful bidder sells the items/NPPA price of identical description elsewhere in the country during the period of contract. If at any time, during the contract, the bidder reduces the price chargeable under the contract, he

shall forthwith notify such reduction to the Tender Inviting Authority and the price payable under the contract of the items supplied after the date of coming into force of such reduction or sale shall stand correspondingly reduced.

SECTION-V: SCOPE OF WORK AND OTHER CONDITIONS

1. Introduction & Scope of Requirement

The Odisha Police Coastal Security Wing (Marine Police) operates a fleet of coastal patrol / interceptor boats along the Odisha coastline (including but not limited to the jurisdiction of Marine Police Stations at Paradip, Gopalpur, Balaramgadi, Dhamra, Astaranga, Jamboo and Talchua) for anti-smuggling, fisheries protection, search-and-rescue and general coastal security duties under the Coastal Security Scheme.

This tender seeks the supply, installation, integration, testing and commissioning of a fully integrated bridge navigation suite on each patrol vessel, comprising the following five (5) major sub-systems networked together as a single integrated system:

1. Multi-Function Display (MFD) / Chartplotter
2. Marine Radar
3. Class B (or Class A) AIS Transceiver with integrated antenna splitter
4. Remote GNSS/GPS Sensor
5. Depth / Speed / Temperature Multisensor (through-hull DST)

All five sub-systems shall be supplied as a single, mutually-compatible, network-integrated package per vessel, with all navigation, radar, AIS, sonar and sensor data available for simultaneous display and cross-reference on the primary MFD. The scope of supply includes all associated cabling, antennas, transducers, mounting hardware, networking equipment, installation, commissioning, sea trial, training and after-sales support as detailed in this document.

In addition, one (1) Electronic Chart Display and Information System (ECDIS) shall be supplied, installed and commissioned at the Command and Control Centre, Coastal Security Headquarters, Odisha Police, Bhubaneswar, as per Section 3.6 and Sl. 06 of the Bill of Quantities.

2. General Technical Requirements (Applicable to All Equipment)

- All equipment shall be new, unused, and of current production series — refurbished, reconditioned, discontinued or end-of-life models shall not be accepted.
- All equipment shall be designed and certified for continuous marine use in a tropical, salt-laden coastal atmosphere, with resistance to humidity up to 95%, salt-fog, vibration and shock consistent with operation on small patrol craft in sea states up to Sea State 3–4.
- All five sub-systems shall be supplied from OEM(s) offering a common/compatible network backbone (NMEA2000/SeaTalkNG-type, or equivalent open marine networking standard) such that all equipment interoperates as a single integrated system without proprietary gateway workarounds.
- The offered OEM shall have a minimum of 10 years' continuous track record in the design and manufacture of marine navigation and communication electronics.
- All cabling shall be marine-grade, tinned copper, installed in accordance with IEC 60092 (or equivalent), with adequately rated, corrosion-resistant cable glands and IP67-rated junction

boxes. All topside fasteners and brackets shall be in corrosion-resistant material (SS316 or equivalent).

- Electromagnetic compatibility (EMC): all equipment shall not cause, nor be susceptible to, interference from other shipboard electronic/electrical equipment.

2.1 Bill of Quantities

Sl.	Item Description	Unit	Qty per Vessel/Trawler	No. of Vessels/Trawlers	Total Qty
1	Multi-Function Display (MFD) / Chartplotter for Boats	Set	01	15	15
2	Marine Radar	Set	01	15	15
3	Class B/A AIS Transceiver with antenna splitter	Set	01	15	15
4	Remote GNSS/GPS Sensor	Set	01	15	15
5	Depth/Speed/Temperature Multisensor (DST)	Set	01	15	15
6	Electronic Chart Display and Information System (ECDIS) for the Command Control System	Set	01		01

3. Detailed Technical Specifications

3.1 Multi-Function Display (MFD) / Chartplotter

The primary navigation display at the helm, integrating chart plotting, radar, AIS, sonar, camera and instrument data on a single sunlight-readable touchscreen.

Sl.No.	Parameter	Minimum Required Specification	Compliance (Y/N)	Remarks / Ref.
1	Display Size	Minimum 12.1" diagonal, optically-bonded, sunlight-readable, multi-touch capacitive glass touchscreen.		
2	Display Resolution	Minimum 1280 x 800 (WXGA) pixels or better		
3	Brightness	Minimum 1,200 nits, with automatic day/night dimming		
4	Viewing Angle	Minimum 85° in all four directions (Top/Bottom/Left/Right)		
5	Processor	Multi-core (quad-core or better) processor for fast boot-up and smooth chart/radar redraw		
6	Built-in GNSS Receiver	Internal GPS/GLONASS receiver, minimum 72-channel, 10 Hz position update rate		
7	Waterproof Rating	Minimum IPX6 and IPX7 (front and rear)		

8	Operating Temperature	-15°C to +55°C or wider		
9	Storage Temperature	-20°C to +70°C or wider		
10	Networking	1 x 10/100 Mbps high-speed Ethernet marine network port for inter-display, radar and echosounder networking; minimum 1 x NMEA2000 port; NMEA0183 supportable via approved adaptor		
11	Wi-Fi	Built-in, IEEE 802.11 b/g/n, for wireless app/tablet mirroring and chart/route sync		
12	Bluetooth	Minimum Bluetooth 2.1 + EDR (BLE support desirable) for wireless accessory pairing		
13	USB Port	Minimum 1 x USB port for software/chart updates, external storage and device charging		
14	Memory Card Slot	Minimum 1 x microSD slot, supporting minimum 32 GB (SDHC); support for higher-capacity SDXC cards desirable		
15	Radar Interface	Compatible with solid-state broadband/CHIRP and pulse (Digital/HD/Super-HD type) radar via the display network, with full radar overlay-on-chart capability		
16	AIS Interface	Compatible with Class A/B AIS transceivers via NMEA2000/NMEA0183; capable of displaying AIS targets with CPA/TCPA collision alarms		
17	Echo-Sounder / Sonar	Built-in or external CHIRP sonar support; minimum sounding capability 180 m (600 ft), desirable up to 270 m (900 ft), for shallow coastal/creek operations		
18	Video / Camera Integration	Support for minimum 4 (desirable up to 10) network/IP cameras and/or thermal (FLIR-type) night-vision camera integration, for night-time coastal surveillance		
19	Autopilot Interface	Compatible with NMEA2000-networked autopilot systems		
20	Cartography	Compatible with Electronic Navigational Charts (ENC)/vector charts covering Odisha's coastal waters, sourced from an Indian Naval		

		Hydrographic Department-recognised or other internationally recognised chart provider; chart updates via card/download		
21	Waypoints / Routes / Tracks	Minimum 3,000 waypoints, 30 routes and 15 tracks storage capacity, or higher		
22	Power Supply	12V/24V DC nominal (operating range minimum 10.8 V DC to 31.2 V DC)		
23	Mounting	Suitable for flush, surface or bracket mounting on the vessel console; corrosion-resistant marine-grade housing and fasteners		
24	Physical Construction	All-glass front, impact-resistant, salt-fog and UV-resistant housing suited to a tropical marine environment		
25	Warranty	Minimum 24 months comprehensive on-site warranty from date of commissioning		

3.2 Marine Radar

X-Band solid-state radar for collision avoidance, small-target/small-craft detection and coastal surveillance, networked to the MFD.

Sl.No.	Parameter	Minimum Required Specification	Compliance (Y/N)	Remarks / Ref.
1	Radar Type	Solid-state, pulse-compression (CHIRP/broadband) radar; non-magnetron type preferred for instant-on operation, low radiation and low EMI. (Higher-power pulse/magnetron open-array or dome radar of 4 kW/6 kW class with extended range may be specified additionally for larger interceptor vessels/shore-based requirements.)		
2	Input Voltage	12V/24V DC nominal (10.8 V–31.2 V DC operating range)		
3	Networking	Ethernet and/or Wi-Fi interface to the Multi-Function Display		
4	Transmit Frequency	X-Band, 9,300–9,500 MHz range		

Sl.No.	Parameter	Minimum Required Specification	Compliance (Y/N)	Remarks / Ref.
5	Peak Power Output	Minimum 20 W peak (solid-state), delivering detection performance equivalent to a minimum 2–4 kW conventional magnetron radar		
6	Range Scale	Minimum 1/16 NM to 24 NM		
7	Power Consumption	Transmit mode ≤ 20 W; standby mode ≤ 10 W; sleep/low-power mode ≤ 3 W		
8	Pulse / CHIRP Technology	Multiple selectable pulse lengths with CHIRP pulse-compression of minimum 30 MHz bandwidth, for improved target and clutter separation		
9	Beamwidth (nominal)	Maximum 5° horizontal; minimum 20° vertical		
10	Detection / Operating Modes	Dedicated Harbour, Coastal/Offshore and Weather/Bird-detection modes, optimised for small-target detection (small craft/semi-submersibles) relevant to coastal security operations		
11	Target Tracking	Minimum 10 simultaneous MARPA/AIS target tracks with CPA/TCPA collision alarm		
12	Waterproof Rating	Minimum IPX6		
13	Weight	Maximum 6 kg (radome type), suitable for mast-top mounting on small patrol craft		
14	Antenna Type	Patch array / microstrip, radome-enclosed		
15	Warranty	Minimum 24 months comprehensive on-site warranty		

3.3 Class B AIS Transceiver (with Integrated Antenna Splitter)

Automatic Identification System transceiver for vessel identification, tracking and collision avoidance, sharing the VHF antenna via an integrated splitter to minimise topside clutter.

Sl.No.	Parameter	Minimum Required Specification	Compliance (Y/N)	Remarks / Ref.
1	Type	Class B SOTDMA AIS Transceiver compliant with IEC 62287-2 (Class A Transceiver per IEC 62287-1, offering higher-power priority reporting, may be specified in lieu of Class B where the Department requires enhanced range/priority for enforcement vessels)		
2	Transmit Power	Minimum 5 W SOTDMA (Class B) / 12.5 W (if Class A variant specified)		
3	Operating Frequency	156.025 MHz to 162.025 MHz marine VHF band, 25 kHz channel steps		
4	Built-in GNSS	Minimum 72-channel GPS/GLONASS receiver; cold-start acquisition time ≤ 30 seconds		
5	Integrated Antenna Splitter	Integrated VHF/AIS antenna splitter permitting the vessel's existing VHF antenna to be shared between the ship's VHF radio and the AIS transceiver (desirable, to avoid an additional antenna installation on small patrol craft); VHF-to-AIS port isolation minimum 28 dB; TX/RX switching time maximum 15 microseconds		
6	Data Interfaces	Minimum 2 x NMEA0183 ports (one High-Speed, 38.4 kBaud, for MFD connection; one standard, for instrument connection) plus 1 x NMEA2000 port		
7	Power Supply	12V/24V DC nominal; power consumption < 5 W; peak current < 3 A		
8	Waterproof Rating	Minimum IPX6 and IPX7		
9	Operating Temperature	-15°C to +55°C or wider		
10	Connectors	Marine-grade waterproof connectors for VHF antenna (SO-239 or equivalent), GNSS antenna (TNC), and data/power		

Sl.No.	Parameter	Minimum Required Specification	Compliance (Y/N)	Remarks / Ref.
11	Regulatory Approval	Valid WPC (Wireless Planning & Coordination Wing, DoT, Government of India) type approval / Equipment Type Approval for operation in Indian waters (see Section 6)		
12	Warranty	Minimum 24 months comprehensive on-site warranty		

3.4 Remote GNSS/GPS Sensor

A dedicated, remotely (mast/topside) mounted GNSS position sensor feeding the network, providing an independent backup position source to the MFD's internal GNSS receiver.

Sl.No.	Parameter	Minimum Required Specification	Compliance (Y/N)	Remarks / Ref.
1	Type	Self-contained, remotely-mounted GNSS sensor, NMEA2000/SeaTalkNG network-compatible		
2	Receiver	Minimum 72-channel; GPS and GLONASS compatible (BeiDou/Galileo-ready desirable)		
3	Update Rate	Minimum 10 Hz		
4	SBAS Support	WAAS/EGNOS/MSAS/GAGAN; GAGAN (Indian regional satellite-based augmentation system) compatibility desirable, given deployment in Indian waters		
5	Position Accuracy	≤ 15 m (95% of the time) without SBAS; ≤ 5 m (95% of the time) with SBAS correction		
6	Time to First Fix	Hot start < 10 seconds; cold start < 2 minutes		
7	Speed Accuracy	≤ 0.3 knots (95% of the time)		
8	Geodetic Datum	WGS-84, with alternative datum selectable via the connected MFD		
9	Power Consumption	Low power, ≤ 30 mA nominal (NMEA2000 Load Equivalency Number of 1 or better)		
10	Waterproof Rating	Minimum IPX6 and IPX7, suitable for exposed topside/mast mounting		

Sl.No.	Parameter	Minimum Required Specification	Compliance (Y/N)	Remarks / Ref.
11	Mounting	Low-profile surface mounting, with optional pole-mount kit		
12	Warranty	Minimum 24 months comprehensive on-site warranty		

3.5 Depth / Speed / Temperature Multisensor (Through-Hull DST)

A single through-hull transducer providing depth, speed-through-water, water temperature and boat attitude (heel/trim) data to the network — essential for safe navigation in Odisha's shallow coastal and estuarine waters. The transducer is to be installed on the FRP hull.

Sl.No.	Parameter	Minimum Required Specification	Compliance (Y/N)	Remarks / Ref.
1	Type	Combined through-hull smart multisensor for depth, speed-through-water and water temperature, with an integral attitude (heel/trim) sensor		
2	Speed Range	0.3 to 45 knots, linear response from 0.6 knots or better		
3	Depth Range	Minimum 0.5 m to 100 m		
4	Data Update Rate	Depth: minimum 1x/second; Speed: minimum 5x/second; Heel/Trim: minimum 10x/second		
5	Temperature Accuracy	± 0.5°Cover a range of -10°C to +40°C or wider		
6	Attitude Accuracy	± 1° nominal, after sensor calibration		
7	Data Interface	NMEA2000 (Load Equivalency Number ≤ 3); supported PGNs to include Speed (Water Reference), Water Depth, Distance Log, Water Temperature and Attitude		
8	Calibration	Wireless (Bluetooth) speed-calibration app support desirable, enabling heel-compensated speed calibration across multiple heel angles without additional PC-based hardware		
9	Housing Material	Bronze or stainless-steel through-hull housing with a self-closing, anti-fouling valve/shutter to minimise water ingress during transducer servicing (plastic housing acceptable for smaller/composite-hull craft)		
10	Depth Transducer Frequency	Nominal 200 kHz, or as matched to hull deadrise angle up to 22°		

11	Pressure Rating	Minimum 3 m (10 ft) equivalent static head		
12	Supply Voltage	9 V–16 V DC, via the NMEA2000 network		
13	Warranty	Minimum 24 months comprehensive on-site warranty		

3.6 Electronic Chart Display and Information System (ECDIS) at Command Control Center

1. **Brief Description**. Electronic Chart Display and Information System (ECDIS) is a computer-based navigation system that replaces paper charts, integrating digital Electronic Navigational Charts (ENCs) with real-time data from sensors to provide a comprehensive navigational picture. It allows for route planning, monitoring and automatic alerts for hazards, enhancing safety and situational awareness for mariners and planners.
2. The system will be installed in the Command and Control Centre at Coastal Security Headquarters, Odisha Police, Bhubaneswar.
3. **Charts**: ECDIS will display charts of selected area. The charts from Sandheads to Vishakhapatnam upto Indian EEZ to be loaded with facility for correction as and when required. Subscription valid for one year.
4. **Power Supply**: System to operate on alternating current (AC) power supply with a standard voltage of around 230V and a frequency of 50Hz.
5. **Display and Projection**: The system is to be provided with a size of 26-inch or higher display with the facility to be projected on an existing video wall (size – 11.8ft X 6.6ft, resolution – 2304 X 1296 UHD).
6. **Features**: ECDIS to have following features.

Sl	Feature	Detailed Brief	Compliance (Y/N)	Remarks / Ref.
(a)	Display controls	• Picture brilliance (day/night selection). • Brightness check • Displaying/hiding heading line and synthetics. • Centring and off-centring (max view) the picture. • Display of primary, or primary and secondary presentation displays (vertical/horizontal split screen or pop up window secondary display). • Zoom window defines a specific area of the chart display to zoom into		
(b)	Display features	Head up mode. North pointing to top of the display.		
(c)	Scale selection	Scale ratio from 1:500 to 1:20,000,000		
(d)	Range rings	Range rings on or off. Ring interval dependent on Scale.		
(e)	Chart facilities	Enables vector and ARCS charts installed from an installer facility to be displayed. Chart feature sets can be customised and manually updated by the operator.		

(f)	Chart symbols colour diagram	Ensures any adjustments made to brightness and contrast settings will enable chart symbol SENC data, such as coastlines, safety contour and other objects to be adequately displayed.		
(g)	Position	Position of control center to be fed into the system.		
(h)	Route facilities	Planning routes. Monitor and display internal, external and temporary route data. Import or export route plans.		
(i)	Defining and displaying EBLs, VRMS & ERBLs	Two electronic bearing lines – EBL 1 & EBL 2. Two variable range markers – VRM 1 & VRM 2. Each EBL/VRM pair can be displayed as a combined ERBL – ERBL 1 and/or ERBL 2.		
(j)	Targetfaciliti es	Enables system and AIS targets to be displayed and selected for display of tote information.		
(k)	System tools	Define system time and set a time zone offset. Display information on unit groups, user profiles, diagnostics and commissioning.		
(l)	Alerts (Alarms, Warnings and Cautions)	Displaying the current unacknowledged alert with highest priority. Facility for acknowledging alerts in a status indicator. Display all alerts, listed in groups of alarms, warnings and cautions, or sorted by group. Alert buzzer facility. Watch alert facility.		
(m)	Charts	System will display charts of selected area.		
(n)	Geo-fencing	Facility of geo-fencing any area of interest.		
Technical Specification				
1.	**(a) Hardware Specifications**			
2.	Configuratio ns	Box PC with Display (Table Mount), with facility to be projected on a existing video wall (size – 11.8 ft X 6.6 ft, resolution – 2304 X 1296 UHD) at command control center		
3.	Screen Sizes	26 inch or higher		
4.	Screen Resolution	26 inch–1920*1200 or better		
5.	Processor	Intel Multicore Processor / 8 GB RAM and above / Windows 11/ i5 or above		
6.	**(b) Interfaces**			
7.	NMEA Interface	4xNMEA0183Ports(ExtendableUpto8xNMEAonBoxPCs)		
8.	NMEA Standards	IEC61162-1 & IEC61162-2		
9.	NMEA Baud Rate	Configurable from 4800 to 115200		
10.	Power	220-240VAC@50 Hz 1x3-Pin Terminal Block with UPS back up for 20 mins		
11.	**(c) Environmental Rating**			

12.	IP Rating	IP66 Front side		
13.	Temperature & Humidity	-15 to 55ºC & 5%-95%, non-condensing		
14.	**(d) Components**			
15.	In the Box	PSU, Box PC & Display.		
16.	**(e) Navigation Features**			
17.	Chart Formats /Materials	SENC or S-63 / S57 Raster Charts: ARCS		
18.	Display Modes	Day, Dusk &Night		
19.	Radar Overlay	Yes(Optional)		
20.	Operation Mode	TM (True Motion)/ RM(Relative Motion)Display		
21.	Orientations	Heads UP &North UP		
22.	Ranges(NM)	.05,.1,.25,.5,.75,1.5,3,6,12,24,48,100,200,500,1000, 2000		
23.	Split Screen	Yes		
24.	Safety Checks	Yes, CATZOC feature providing risk alert in route check		
25.	Chart updates	On line or Off line USB Drive		
26.	Integration	Compatible with GPS, Gyro, Įog, ARPA, ARPA1, AIS, echo Sounder, NAVTEX, Anemometer.		
27.	**Product Quality and Certification Requirements**	1. The ECDIS offered shall be Type Approved and compliant with IMO and IEC standards, including: • IMO Resolution MSC.232(82) – Performance Standards for ECDIS. • IEC 61174 – ECDIS Operational and Performance Requirements. • IEC 60945 – General Requirements for Marine Navigation and Radiocommunication Equipment. • IEC 62288 – Presentation of Navigation Information. 2. The equipment shall be Wheelmark Certified (MED – Marine Equipment Directive) or equivalent classification society approval (e.g., DNV, ABS, BV, or Lloyd's Register). 3. The offered product shall support official ENCs (Electronic Navigational Charts) compliant with IHO S-57 and S-63 standards, with provision for S-101 upgrade.		
28.		1. The system shall support chart updating via online or offline media and include a minimum of three years' ENC update subscription.		

		2. Demonstration of functionality and integration capability with existing navigation systems may be required prior to final acceptance. 3. The bidder shall ensure onsite installation, testing, and crew/operator training at designated Marine Police Stations or Control Centres.		

4. Installation, Integration & Networking Requirements

- All five sub-systems shall be connected on a single NMEA2000/SeaTalkNG-type backbone network (or equivalent), such that GNSS position, AIS targets, depth/speed/temperature and radar data are all simultaneously available on the primary MFD without additional gateways.
- The MFD shall additionally be networked (Ethernet) to the radar for full radar-over-chart overlay, and shall support connection of IP/thermal cameras where fitted.
- Where the vessel carries an existing VHF marine radio, the AIS transceiver's integrated antenna splitter shall be utilised to share that VHF antenna with the AIS unit, avoiding an additional antenna installation on the vessel's mast/superstructure.
- A dedicated, adequately rated GNSS antenna (or the remote GPS sensor at item 3.4) shall be installed clear of RF and metal obstruction for optimal satellite reception.
- The through-hull depth/speed/temperature transducer shall be installed in a location free of turbulence and aerated water at all normal operating speeds, in consultation with the vessel's hull design.
- All installation work shall be carried out by OEM-trained/certified marine electronics technicians, with due regard to the vessel's existing electrical and structural systems.
- A complete as-built wiring/system diagram shall be furnished for each vessel on completion of installation.
- All required installation and commissioning in bidder scope.

5. Bidder Eligibility Criteria

- The bidder shall be the Original Equipment Manufacturer (OEM) or an OEM-authorised dealer/systems integrator, and shall furnish a valid Manufacturer's Authorisation Letter specific to this tender.
- The bidder/OEM shall have successfully supplied and installed similar integrated marine navigation/communication systems on a minimum of ten (10) occasions in the last five (5) years, preferably to Central/State Government departments, Defence, Police, Coast Guard, Port Trusts or other public sector marine agencies in India.
- The bidder shall have an established after-sales service and support facility in Odisha particularly in Bhubneshwar, or shall furnish a written commitment to establish one within a period to be specified by the Department, prior to commissioning.

- The bidder shall hold a valid GST registration and PAN and shall not be under any current suspension/blacklisting order of any Central or State Government department, PSU or statutory body.
- OEM Authorization Certificate specifying model offered and validity for each type quoted items.
- The bidder should have an average annual turnover of at least Rs.2,30,00,000 and OEM should have an average annual turnover of at least Rs.4,60,00,000 during the preceding three financial years. Copies of audited annual accounts or a certificate from Chartered Accountant should be uploaded with valid UDIN.

6. Certification & Regulatory Compliance

All offered equipment shall meet, at minimum, the following international and national standards/approvals as applicable to the equipment type. Bidders shall submit valid certificates/type-approval documents along with the technical bid.

- IEC 60945 — General requirements for marine navigation and radiocommunication equipment and systems (environmental testing, EMC).
- IEC 61162 series — Digital interfaces for maritime navigation and radiocommunication equipment (NMEA 0183 / NMEA 2000).
- IEC 62287-1 / 62287-2 — Class A / Class B Automatic Identification System (AIS) shipborne equipment.
- MED Wheelmark (EU Marine Equipment Directive) or equivalent recognised international marine type-approval for each item, where applicable to the offered product.
- WPC (Wireless Planning & Coordination Wing, Department of Telecommunications, Government of India) Equipment Type Approval (ETA) for the AIS transceiver — mandatory for legal operation and licensing of AIS radio equipment in Indian waters. Bidders shall furnish valid WPC ETA (or documented equivalent process) for the specific make/model offered.
- CE / FCC or equivalent recognised international EMC and radio-frequency certification.

Deviation from, or non-availability of, any applicable certification shall be clearly stated by the bidder and may render the offered item liable for rejection at the Department's discretion.

7. Warranty & Annual Maintenance Contract (AMC)

7.1 Warranty

- Minimum 24 months' comprehensive on-site warranty on all supplied equipment, cabling and installation workmanship, commencing from the date of successful commissioning/handover of each vessel.
- Warranty shall be back-to-back with, or directly honoured by, the OEM, and shall cover free replacement/repair of any defective part, including labour and any associated re-installation cost.

7.2 Annual Maintenance Contract (Optional, Post-Warranty)

- An optional AMC for a further period of three (3) years after expiry of warranty, to be quoted separately, comprising a minimum of four (4) scheduled preventive-maintenance visits per vessel per year.
- The AMC charges shall be quoted in the designated row of the price bid (BoQ) and shall be taken into account for determination of the L1 bidder. Award of the AMC shall be at the option of the Department.
- Breakdown/corrective maintenance response time not exceeding 72 hours from the time of complaint, for any of the coastal locations covered under this tender.
- If a breakdown is not rectified within 72 hours, a penalty of 0.5% of the annual AMC value of the affected vessel/system per day of delay shall be levied, subject to a maximum of 5% of the annual AMC value.
- Guaranteed availability of spare parts for a minimum of seven (7) years from the date of supply.

8. Training & Documentation

- On-board operational training for vessel crew, of minimum two (2) days duration per vessel, conducted by an OEM-trained/certified technician, covering normal operation, basic troubleshooting and emergency (DSC distress) procedures.
- Operation & maintenance manuals in English (Odia translation desirable), supplied in both hard copy and soft copy (electronic/PDF).
- As-built system and wiring diagrams for each vessel.
- Test certificates, calibration certificates, and applicable type-approval/compliance certificates for all supplied equipment.
- A training completion certificate/attendance record to be furnished for each vessel's crew.

9. Delivery, Installation & Commissioning

9.1 Delivery & Installation Schedule

Supply, installation, integration, testing and commissioning shall be completed at the designated Marine Police Station(s)/Coastal Security Wing location(s) in Odisha (e.g., Paradip, Gopalpur, Chandipur, Dhamra, Astaranga, Talchua, or as specified by the Department) within a period of 10 weeks from the date of issue of the Purchase/Work Order, or as otherwise specified in the commercial section of the tender.

- Installation shall be carried out only by OEM-certified marine electronics technicians.
- A post-installation sea trial shall be conducted for each vessel to demonstrate functional performance of the complete integrated navigation and communication suite under actual operating conditions.

9.2 Inspection & Testing

- A Factory Acceptance Test (FAT), where applicable, and a Site/Sea Acceptance Test (SAT) shall be conducted in the presence of the Department's nominated representative/inspecting agency.

The SAT shall include, at minimum, the following functional demonstrations:

1. Chartplotter functional check and chart accuracy verification.
2. Radar target detection and MARPA target-tracking demonstration.
3. AIS target transmission and reception test with a nearby AIS-equipped vessel/reference target.
4. Depth, speed and water-temperature sensor accuracy verification against a known reference.
5. Complete network/data-sharing verification confirming all five sub-systems exchange data correctly across the common network and are visible on the primary MFD.

- Any equipment or installation found deficient at FAT/SAT shall be rectified or replaced by the bidder at no additional cost, and re-tested, before commissioning is deemed complete.

10. Instructions to Bidders — Compliance Statement

- The specifications set out in Section 3 represent MINIMUM acceptable requirements. Bidders may offer equipment with equal or superior specifications; no bid shall be rejected solely for exceeding a stated minimum.
- Where a specific OEM/model has been referenced in Section 3 for benchmarking/illustrative purposes, the words "or equivalent" shall be read as following every such reference. No bidder shall be restricted from participating solely on the ground of the brand/model offered, provided full compliance with the stated minimum technical parameters is demonstrated.
- Bidders shall submit an item-wise Technical Compliance Statement, using the format of the specification tables in Section 3, clearly marking compliance (Yes/No) against every parameter and providing a page/paragraph reference to the OEM's published datasheet or technical literature in the "Remarks/Ref." column.
- Any deviation from a stated minimum requirement shall be clearly and separately listed in a "Statement of Deviations" accompanying the technical bid. Non-disclosure of a deviation subsequently discovered during evaluation, testing or after supply shall render the bid, or the supply, liable for rejection at the Department's sole discretion.
- Complete technical literature, datasheets and catalogues in support of the offered make and model for every item shall be enclosed with the technical bid.
- The Department reserves the right to seek a live demonstration of the offered equipment, or of a comparable installed reference system, prior to final technical evaluation.

OTHER CONDITIONS OF THE CONTRACT

Tender Call Notice No.

1. The supplies shall be delivered to the authorities at the place indicated below.

Sl. No	Name of the Authority & his address	Quantity
1	Office of the Additional Directorate General of Police, Odisha Coastal Security Police Department, Bhubaneswar, At/PO: Rasulgarh, Bhubaneswar Dist.: Khurdha, PIN: 751010	As per Supply order

2. The working of the equipment shall be demonstrated successfully and expenses incurred on demonstration shall be borne by the supplier.
3. The supplier shall organize training to acquaint the employees of the Organization regarding operation of the equipment at their own cost. The training shall cover operation, first-line maintenance and battery management, and a training completion / handover record shall be furnished at commissioning / Acceptance Test (ATP).
4. All the supplies made shall be subject to a minimum period of warranty equipment of 24 Months from the date of acceptance, as per Specification.
5. The supplier shall repair or replace at his cost any component of the supplies that may go out of order during the warranty period. The repair and replacement shall as far as possible be carried out within the premises, where the equipment has been installed. If, however, it is necessary to take the equipment to the workshop of the supplier, it must be repaired and re-installed successfully in its premises within 48 hours counted from the time service call is placed. Failing so, replacement equipment in working condition shall be supplied till return of the equipment.

Other conditions :-

1. The bidder's average annual turnover for the last three financial years should not be less than 55 lakhs.
2. The bidders are requested to submit EMD / e-BG as per bid requirement in term of electronics Bank Guarantee quoting Unique Identification Number (UIN) " NCOGD2383P " with NeSL while applying eBG from their respective Banks.
3. This bid is governed by OGFR-2023 and GFR regulations. Bidders will liable for punitive measures, including potential debarment, outlined in OGFR and GFR for any violations or failure to comply with GFR / OGF R a s well as bid terms and conditions.
4. "Provisions of 'Public Procurement (Preference to Make in India), Order 2017', as amended from time to time, shall be followed in case eligible foreign bidders participate in the bidding process".
5. The condition of prior turnover and prior experience may be relaxed/waived for local MSEs / Start-ups subject to meeting of quality & technical specifications and making suitable provisions in the bidding document.
6. In exceptional circumstances, the procuring authority may award the contract in excess up to ten per cent of quantity mentioned in the bid document at his level. The procuring authority shall obtain approval of next higher authority and record reasons of such variations in writing,

in case where the quantity to be pro cured exceeds ten percent, but does not exceed fifty percent, of the quantity as mentioned in the bid document.

7. DEFINITION OF MSEs AND STARTUPS FOR THIS BID: For the Procurement of the item; Micro & Small Enterprise (MSE) means an Industrial Unit or Enterprise as defined in Odisha MSME Development Policy,2022 and as amended from time to time. Similarly, A Start-up means an Enterprise as defined under the Odisha Start-up Policy, 2016, and as amended from time to time.
8. Micro and Small Enterprises (MSEs) and start-ups are allowed concessional payment of performance security @ 25% of performance security prescribed for normal bidders.
9. Purchase preference, Price Preference and other relaxations to local MSEs/Start-ups at the time of public procurement shall be guided by notifications/guidelines as issued by MSME Department from time to time.
10. During the warranty period, the supplier shall repair or rectify any defective goods, or replace them with defect-free goods, at no additional cost. All repaired or replaced items shall be delivered to the buyer's premises free of charge.
11. The bidder shall submit the Income Tax Return (ITR) for any one of the last three assessment years.
12. EMD exemption would be allowed to MSME/start up only as per provision laid down in OGFR- 2023.
13. Vendor assessment Report submitted by a bidder would not be accepted in place of EMD .
14. Average Annual Financial Turn Over Certificate authenticated by a Chartered Accountant must have valid UDIN No of CA concerned.

SECTION-VI: FORMATS FOR SUBMISSION OF BID

(Technical Bid)

Format T1 – Check List

(To be submitted in ***Part I -Technical Bid***)

The documents have to be arranged as per the order mentioned in the checklist for ease of scrutiny.

The bidder has to **upload the documents** as mentioned in Checklist (**in PDF format) online** in the **e-procurement portal,** on or before the due date & time of submission of technical bid.

Copies of all the documents uploaded in the technical bid shall **also be submitted** along with the **Tender Document Cost** on or before the online technical bid opening. However, the copy of all documents should be exactly the same as uploaded in the e-tender portal.

Name of the Bidder	

Sl. No	**Details of Document Checklist**	**Whether included Yes / No**	**Page No.**
1.	Format – T1 (Check List)		
2.	Bid Document Cost as DD (Rs. 5,900/-)& EMD cost of Rs. 4,60,000/- (Rupees Four Lakh Sixty Thousand only)		
3.	Format – T2 (Details of Items quoted) / Technical Specification compliance sheet		
4.	Format – T3 (EMD Declaration)		
5.	MSE / Start-up registration certificate (if claiming EMD exemption or relaxations) If applicable		
6.	Copy of the GST registration certificate		
7.	Copy of PAN (Income Tax)		
8.	Copy of IT Returns of the financial years for (*2023-24, 2024-25 and 2025-26) OR (2022-23, 2023-24 AND 2024-25)*		
9.	Format – T4 (Details of Bidder)		
10.	Format – T5 (Declaration Form)		
11.	Format – T6 (Annual Turnover Statement by Chartered Accountant)		
12.	Copies of the annual audited statement/Annual Report for (*2023-24, 2024-25 and 2025-26) OR (2022-23, 2023-24 AND 2024-25)*(Provisional statement of account shall not be considered)		

13.	Format–T7 (Performance Statement during the last five years)		
14.	Format–T8 (Land border sharing certificate)		
15.	Compliance to all technical specification parameters covered under scope of work		
16.	Toll-free number and Escalation Matrix		
17.	Submission of all certification mentioned in this Tender		
18.	Undertaking accepting the SLA, penalties and payment terms without deviation		
19.	Any other document required as per the technical specification (Section-V) (i.e. Product Brochure/ Catalog/Data Sheet etc.)		
20.	Manufacturer's Authorization Form (MAF) from each OEM, specific to this tender		
21.	Certificate under Prevention of Corruption Act / Non-debarment (Annexure-II)		
22.	Statement of Deviations, if any (Section 10 of Section V)		

All the documents to be furnished in the checklist has to be page numbered. All the formats (T1 – T8) are to be filled up mandatorily.

Note:

1) Mentioning of Page Nos. in the relevant column as mentioned above is mandatory for ease of scrutiny.
2) No price information (i.e. Scanned copy of the price format etc.) to be uploaded in Technical Bid.
3) After preparation of all the documents as per checklist, the bidders have to put the page nos. on each page and put the signature of the authorized signatory & seal. Then each page has to be scanned and the scanned document to be uploaded in the e-tender portal before the scheduled date & time.
4) The bidders can find two files [(i) Scan copy of Tender document cost, PAN etc. & (ii) All documents as per checklist T1] in technical bid for uploading their files.

However, for management of space the bidders can divide their scanned documents in two parts and upload one part in one file and balance document in the second file to avoid any space constraint.

Format T2: Compliance of Scope of Work: -

6.1 Item-wise Technical Compliance Statement in the format of the specification tables at Sections 3.1 to 3.6 of Section V, with page/paragraph reference to OEM datasheets: -

Format T3: EMD declaration submission format

(To be submitted in ***Part – I Technical Bid***)
[Should be submitted on Bidder's Letterhead and Signed and Sealed]

From,
(Bidder)...…….
…….
……..

Date

To,
A.I.G.,
Odisha Police Headquarters,
Kataka, Odisha

Dear Sir,

Sub: Request For Proposal (RFP) for Supply, Installation, Integration, Testing and Commissioning of Integrated Bridge Navigation & Communication Systems for Coastal Patrol / Interceptor Boats, Coastal Security Wing, Odisha Police

Ref.: RFP document No _____ dated _____

1) I/We hereby Submit a Declaration that The Tender Submitted by the undersigned, on Behalf of the Tenderer <Name of Bidder> and <Address of Bidder>, Shall not be withdrawn or modified during the period of validity or extended period of validity.

2) I/We, On behalf of the Tenderer <Name of Bidder> and <Address of Bidder>, also accept the fact that in case the Tender is withdrawn of modified during the period of its validity /extended validity period of if we fail to sign the contract in case the contract is awarded to us or we fail to submit a performance security and Additional Performance Security, If any, before the deadline fixed in the Tender Document, then <Name of Bidder> and <Address of Bidder>, will be debarred for participation in the tendering process for the procurements of this Entity for a period of One Year from the date of default.

Date:	Signature:
Place:	Name:
Company Seal:	Designation:

Format T4: Details of the Bidder

(To be submitted in ***Part – I Technical Bid***)

GENERAL INFORMATION ABOUT THE BIDDER				
1	Name of the Bidder			
	Registered address of the firm			
	State		District	
	Telephone No.		Fax	
	Email		Website	
Contact Person Details				
2	Name		Designation	
	Telephone No.		Mobile No.	
Communication Address				
3	Address			
	State		District	
	Telephone No.		Fax	
	Email		Website	

Type of the Firm (Please • relevant box)						
4	Private Ltd.		Public Ltd.		Proprietorship	
	Partnership		Society		Others, specify	
	Registration No. & Date of Registration.					

Key personnel Details (Chairman, CEO, Directors, Managing Partners etc.)				
5	in case of Directors, DIN Nos. are required			
	Name		Designation	
	Name		Designation	

Name designation & Address of the person(s) responsible to the company as per Sec. 34 of D & C Act 1940.				
6	Name		Designation	

7	Whether any criminal case was registered against the company or any of its promoters in the past?	Yes / No
8	*Other relevant Information*	
9.a	*Furnish the copy of the GST registration certificate*	

9.b	*PAN: Furnish the copy of the PAN*
10	***Bank Details of the Bidder: The bidders have to furnish the Bank Details as mentioned below for Payment for supply if any (if selected)*** **a. Name of the Bank :** **b. Full address of the Branch concerned :** **c. Account no. of the : bidder** **d. IFSC Code of the : Bank**

Date:		*Office Seal*		*Signature of the bidder / Authorized signatory*	

Format – T5:
DECLARATION FORM

(To be submitted in ***Part–I Technical Bid***)

(Affidavit before Executive Magistrate / Notary Public on **10** Rupees non- judicial stamp paper)

I / We ……having My / our registered office at & having My /our factory premises at……. do declare that I / We have carefully read all the terms & conditions of bid of Odisha Police, Odisha for the supply of …….. (Name of the items). The approved rate will remain valid for a period of one year from the date of approval or new rate contract whichever is earlier. I will abide with **all the terms & conditions** set forth in the **Bid document Reference no. _____**along with the subsequent amendment, if any.

I/We do hereby declare I/We are not de-recognized / debarred/ banned/ blacklisted/ convicted as a firm or for the quoted item(s) **on or before the date of floating of the tender** by any one or more of the authorities and for one or more of the reasons.

I/We agree that the Tender Inviting Authority can forfeit the Earnest Money Deposit and or Performance Security Deposit and de-recognition/ debarment me/us for a period of **3(three)** years if, any information furnished by us proved to be false at the time of inspection / verificationandnotcomplyingwiththeBidterms&conditions.IncaseI/Wearede-recognized / Blacklisted/banned/ debarred by any State Govt. / Union Territory / Govt. of India / Govt. Organization / Govt. Health Institutions/ Odisha Police and or convicted by any court of law **on and from the date of floating of the tender**, I/We undertake to inform the same to Odisha Police. I/we also under take that, I/we are not involved in any unfair/fraudulent practice.

I/ We do hereby declare that I / we will supply the quoted item(s) as per the terms, conditions & specifications of the bid document and hereby further declare that I/We will supply the items /Supplies with packing, logograms as per the design and barcode as specified in the Annexure I–III of the tender under reference.

I/We do hereby declare that I/We have not been convicted by any court of competent jurisdiction for supplying NSQ items within the last 3(three) years from the date of floating of the tender.

Signature of the bidder:

Seal: Date:

Name & Address of the Firm:

Format T6: Annual Turn Over Statement

(To be submitted in ***Part – I Technical Bid***)

(In the letterhead of the Chartered Accountant)

The Annual Turnover for the last 3 (three) financial years of M/S_____ _____ are given below and certified that the statement is true and correct.

Sl. No.	***Financial Year***	***Turnover in Crores (Rs)*** **both in figures & words**
1	***2022-23***	
2	***2023-24***	
3	***2024-25***	
Average Annual Turnover of the Bidder for the specified last 3 Financial Years		

Date:

Signature of Auditor/

Place:

Chartered Accountant

(Name in Capital)

Seal

UDIN Number.

Format T7:
Performance Statement

(To be submitted in ***Part – I Technical Bid***)

(For the period of last five years)

(Please furnish order copies of the client serially, the names of which are mentioned below)

Name of Bidder: _____

Name of Manufacturer: _____

Name of the Item: _____

Sl.	Order Placed by (Address of purchaser) (attach documentary proof) *	Order no. &Date	Item Name	Specification similar to this RFP requirement **Yes/No only**	Qty	Value of Contract (Rs.)	Date of Completion	Have the items supplied satisfactorily (attach documentary proof) **
1								
2								
..								
..								

(attach separate sheets if the space provided is not sufficient)

Signature and seal of the Bidder

* The documentary proof will be copies of the purchase order (during the last 5 years) indicating P.O. No. and date.

** The documentary proof will be a certificate from the consignee/end user indicating P.O. No. and date.

Format T8:
Land Border Sharing Compliance Declaration

(To be submitted in Part – I Technical Bid)

FORMAT For Undertaking with respect to Compliance of Restrictions for Countries which share land border with India – as stipulated by Govt. of India.

(On Company Letter Head, to be signed by the duly authorized person)

Date: TENDER NO. : …… TITLE OF TENDER :
……

To,
AIG of Police (Provisioning),
Odisha, Kataka

In line with the guidelines issued for compliance of Restrictions for Countries which share land border with India – as issued by Govt. of India in July'2020,

I/We have read the clause regarding restrictions on procurements from a bidder of a country which shares a land border with India and on sub-contracting to contractors from such countries.

a. I/We certify that this bidder is not from such a country or if from such a country has been registered with the competent authority. I hereby certify that this bidder fulfills all requirements in this regard and is eligible to be considered.
b. I/We certify that this bidder is not from such a country or if from such a country has been registered with the competent authority and will not sub-contract any work to a contractor from such countries unless such contractor is registered with the competent authority. I hereby certify that this bidder fulfills all requirements in this regard and is eligible to be considered*.(Applicable for works involving possibility of sub-contracting)

   I/We hereby certify that I/We fulfill all requirements in this regard and am/are eligible to be considered.

   Where applicable, evidence of a valid registration by the Competent Authority shall be attached]

Name and Signature of the Authorized Signatory

SECTION-VII: ANNEXURES

Annexure I:
Model Bank Guarantee Format for Performance Security

(TO BE EXECUTED BY THE SUCCESSFUL BIDDER ONLY)

[Ref. Para 22(i)]

To

The A.I.G. of Police (Provisioning),
Odisha, Kataka.

WHEREAS.....(name and addressof the supplier) (here in after called "the supplier") has undertaking, in pursuance of contact no.....dated..... to supply.....(description of goods and services) (here in after called "the contract").

AND WHEREAS it has been stipulated by you in the said contract that the supplier shall furnish you with a bank guarantee by a scheduled commercial bank recognized by you for the sum specified therein as security for compliance with its obligation in accordance with the contract.

AND WHEREAS we have agreed to give the supplier such a bank guarantee;

NOW THEREFORE we hereby affirm that we are guarantors and responsible to you on behalf of the supplier, up to a total of(amount of the guarantee in words and figures),and we undertake to pay you, upon your first written demand declaring the supplier to be in default under the contract and without cavil or argument, any sum or sums within the limits of (amount of guarantee) as aforesaid, without your needing to prove or to show ground or reasons for your demand or the sum specified therein.

We hereby waive the necessity of your demanding the said debt from the supplier before presenting us with the demand.

We further agree that no change or addition to or other modification of the terms of the contract to be Performed there under or of any of the contract documents which may be made between you and the supplier shall in any way release us from any liability under this guarantee and we hereby waive notice of any such change, addition or modification.

This guarantee shall be valid until the .....day of .....20.....

We the .....Branch.....undertake not to revoke the guarantee during its currency except with the previous consent of the Odisha Police in writing.

We the .....Branch..... further agree that a mere demand by Odisha Police is sufficient for us ..... Branch at Bhubaneswar to pay the amount covered by the Bank Guarantee without reference to the Agency and protest by said Agency cannot be a valid ground for us ..... Branch to decline payment to Odisha Police.

(Signature of the authorized officer of the Bank)
.....
Name and designation of the officer
.....
.....
Seal, name & address of the Banks and address of the Branch

Annexure-II: Certificate for Prevention of Corruption Act / non Debarment Certificate

"I certify that I have not committed any offence-
(a) Under the Prevention of Corruption Act, 1988;
or
(b) The Indian Penal Code or any other law for the time being in force, for causing any loss of life or property or causing a threat to public health as part of execution of a public procurement contract.
(c) I have not been debarred by any Central / State Government Organization/Bodies for the last 3 years."

Signature with designation.

Please note that non-submission of this certificate will lead to disqualification.

Annexure-II:
Manufacturer & Authorization Form (MAF)

(To be submitted on OEM Letterhead)

Ref. No._____ Dated _____

To

The A.I.G. of Police (Provisioning),

Odisha, Kataka.

Dear Sir,

Tender Reference No./ NIT /GeM Bid No. : _____

Name of the item:

We M/s. _____ who are established and reputable manufacturers of _____do hereby authorize M/s._____ (Name and address of Agent / Dealer) to participate in the above tender.

We hereby extend our technical assistance to the bidder during installation and inspection of the product.

We hereby certify that, the equipments being sold would not be declared End of Support (EoS) or become obsolete in the next 5 years. Also, we certify that the products being sold would be covered under Warranty / Support and OEM support will be available for ____ years (as specified in the GeM Bid / Tender / NIT No.) from the date of installation, even in the case, the bidder becomes "Out of service".

We have studied the requirements of the product and confirm that we will adhere to the specifications of the tender and quality plan and extend all support during the inspection and provide documentary evidence at the time of inspection for the verification by Client/Client's representative.

Yours faithfully

(Name)

For and on behalf of M/s. _____

(Name of manufacturers)

PRICE SCHEDULE

Price bid format (BOQ) is **not enclosed** in this bid document. It has to be downloaded from the **e-procurement portal** https://tendersodisha.gov.in

PRICE BID (in the ***excel Format***) has to be submitted **online only**. The **price bid format (excel sheet available in e- Tender portal)** is specific to a bid and is not interchangeable. The price bid format file shall be **downloaded from the e- Tender portal** by the bidder and quote the **prices in the respective fields before uploading it**. All **white areas** of BOQ file shall be filled by the bidder. The **grey areas** of BOQ shall not be modified / edited by the bidder. The Price bids submitted in any other formats will be treated as non-responsive. Multiple price bid submission by bidder shall lead to cancellation of bid.

Price bid Format:-

Tender Inviting Authority:	
Name of Work:	
Contract No:	
Name of the Bidder/ Bidding Firm /Company :	

PRICE SCHEDULE

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

NUMBER #	TEXT #	NUMBER #	TEXT #	NUMBER #	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER #	TEXT #
Sl. No.	Item Description	Quantity	Units	BASIC RATE In Figures To be entered by the Bidder Rs. P	IGST / GST In Percentage (%)	IGST / GST In Rupees	Any Other Charges	Gross Total Per UNIT	Gross Total	TOTAL AMOUNT In Words
1	2	3	4	5	6	7	8	9	10	12
1	Multi-Function Display (MFD) / Chartplotter for Boats	15	Nos.						0.00	INR Zero Only
2	Marine Radar	15	Nos.							

3	Class B/A AIS Transceiver with antenna splitter	15	Nos.							
4	Remote GNSS/GPS Sensor	15	Nos.							
5	Depth/Speed/Temperature Multisensor (DST)	15	Nos.							
6	Electronic Chart Display and Information System (ECDIS) for the Command Control System	01	Sets							
Total in Figures									0.00	INR Zero Only
Quoted Rate in Words		INR Zero Only								
3 Years AMC charges post warranty period (Including GST) (Optional)										