

बिड दस्तावेज़ / Bid Document

बिड विवरण/Bid Details	
बिड बंद होने की तारीख/समय /Bid End Date/Time	16-07-2026 17:00:00
बिड खुलने की तारीख/समय /Bid Opening Date/Time	16-07-2026 17:30:00
बिड पेशकश वैधता (बंद होने की तारीख से)/Bid Offer Validity (From End Date)	30 (Days)
मंत्रालय/राज्य का नाम/Ministry/State Name	Ministry Of Agriculture And Farmers Welfare
विभाग का नाम/Department Name	Department Of Agricultural Research And Education (dare)
संगठन का नाम/Organisation Name	Indian Council Of Agricultural Research (icar)
कार्यालय का नाम/Office Name	Veraval 362269
शिकायत निवारण के संपर्क विवरण/ Contact details of Grievance redressal	HOD Email id :rajan.kumar@icar.gov.in Buyer Email id: buycon207.icari.gj@gembuyer.in
कुल मात्रा/Total Quantity	1
वस्तु श्रेणी /Item Category	Marine Product Solutions
GeMARPTS में खोजी गई स्ट्रिंग्स / Searched Strings used in GeMARPTS	Marine Product and Solutions
GeMARPTS में खोजा गया परिणाम / Searched Result generated in GeMARPTS	Mobile Security and Threat Defence Solutions, Wooden Podium, UEM, MAM, and MDM Software, Computer Table (V3), Agriculture Monitoring and Automation Systems, Maize and Maize Products from Rupnagar - ODOP, Artificial Intelligence_Big Data_Analytics Ver 2.0, Dokra from Purba Bardhaman - ODOP, Quartz and Feldspar Powder Products from Beawar - ODOP, Education_Tech (Ed_Tech) Ver 2.0
अधिसूचना के लिए चयनित प्रासंगिक श्रेणियाँ / Relevant Categories selected for notification	<ul style="list-style-type: none"> BOD Incubator
बिडर का न्यूनतम औसत वार्षिक टर्नओवर (3 वर्षों का) /Minimum Average Annual Turnover of the bidder (For 3 Years)	100 Lakh (s)
उन्हीं/समान सेवा के लिए अपेक्षित विगत अनुभव के वर्ष/Years of Past Experience Required for same/similar service	1 Year (s)
वर्षों के अनुभव एवं टर्नओवर से एमएसई को छूट प्राप्त है / MSE Relaxation for Years Of Experience and Turnover	Yes Complete

बिड विवरण/Bid Details	
स्टार्टअप के लिए अनुभव के वर्षों और टर्नओवर से छूट प्रदान की गई है / Startup Relaxation for Years Of Experience and Turnover	Yes Complete
विक्रेता से मांगे गए दस्तावेज़/ Document required from seller	Experience Criteria,Bidder Turnover,Certificate (Requested in ATC),OEM Authorization Certificate,Additional Doc 1 (Requested in ATC),Additional Doc 2 (Requested in ATC),Additional Doc 3 (Requested in ATC),Compliance of BoQ specification and supporting document *In case any bidder is seeking exemption from Experience / Turnover Criteria, the supporting documents to prove his eligibility for exemption must be uploaded for evaluation by the buyer
क्या आप निविदाकारों द्वारा अपलोड किए गए दस्तावेज़ों को निविदा में भाग लेने वाले सभी निविदाकारों को दिखाना चाहते हैं? संदर्भ मेन् है/ Do you want to show documents uploaded by bidders to all bidders participated in bid?	No
बिड लगाने की समय सीमा स्वतः नहीं बढ़ाने के लिए आवश्यक बिड की संख्या / Minimum number of bids required to disable automatic bid extension	1
दिनों की संख्या, जिनके लिए बिड लगाने की समय-सीमा बढ़ाई जाएगी। / Number of days for which Bid would be auto-extended	3
ऑटो एक्सटेंशन अधिकतम कितनी बार किया जाना है। / Number of Auto Extension count	1
बिड से रिवर्स नीलामी सक्रिय किया/ Bid to RA enabled	No
क्रेता के लिए उपलब्ध आईटीसी/ITC available to buyer	Yes
बिड का प्रकार/ Type of Bid	Two Packet Bid
तकनीकी मूल्यांकन के दौरान तकनीकी स्पष्टीकरण हेतु अनुमत समय / Time allowed for Technical Clarifications during technical evaluation	2 Days
निरीक्षण आवश्यक (सूचीबद्ध निरीक्षण प्राधिकरण /जेम के साथ पूर्व पंजीकृत एजेंसियों द्वारा)/ Inspection Required (By Empanelled Inspection Authority / Agencies pre-registered with GeM)	No
मूल्यांकन पद्धति/ Evaluation Method	Total value wise evaluation
वित्तीय दस्तावेज की आवश्यकता है / Financial Document Required	Yes
मध्यस्थता खंड/ Arbitration Clause	No
सुलह खंड/ Mediation Clause	No

ईएमडी विवरण/EMD Detail

एडवाइजरी बैंक/Advisory Bank	State Bank of India
ईएमडी राशि/EMD Amount	550000

ईपीबीजी विवरण /ePBG Detail

एडवाइजरी बैंक/Advisory Bank	State Bank of India
ईपीबीजी प्रतिशत (%) /ePBG Percentage(%)	3.00
ईपीबीजी की आवश्यक अवधि (माह) /Duration of ePBG required (Months).	36

(a). जेम की शर्तों के अनुसार ईएमडी छूट के इच्छुक बिडर को संबंधित केटेगरी के लिए बिड के साथ वैध समर्थित दस्तावेज प्रस्तुत करने है। एमएसई केटेगरी के अंतर्गत केवल वस्तुओं के लिए विनिर्माता तथा सेवाओं के लिए सेवा प्रदाता ईएमडी से छूट के पात्र हैं। व्यापारियों को इस नीति के दायरे से बाहर रखा गया है।/EMD EXEMPTION: The bidder seeking EMD exemption, must submit the valid supporting document for the relevant category as per GeM GTC with the bid. Under MSE category, only manufacturers for goods and Service Providers for Services are eligible for exemption from EMD. Traders are excluded from the purview of this Policy.

(b).ईएमडी और संपादन जमानत राशि, जहां यह लागू होती है, लाभार्थी के पक्ष में होनी चाहिए। / EMD & Performance security should be in favour of Beneficiary, wherever it is applicable.

(c).ईएमडी और संपादन जमानत राशि लाभार्थी के पक्ष में होनी चाहिए। / Earnest Money Deposit (EMD) shall also be accepted by the buyer in the form of a surety bond.

लाभार्थी /Beneficiary :

Director

Indian Council of Agricultural Research (ICAR), Central Marine Fisheries Research Institute, Kochi 682018
(Icar Unit Cmfri)

बोली विभाजन लागू नहीं किया गया/ Bid splitting not applied.

एमआईआई खरीद वरीयता / MII Purchase Preference

एमआईआई खरीद वरीयता / MII Purchase Preference	Yes
मेक इन इंडिया विक्रेताओं को खरीद में प्राथमिकता, यदि उनका मूल्य L1+X% तक की सीमा में है / Purchase Preference to MII sellers available upto price within L1+X%	20
मेक इन इंडिया खरीद में प्राथमिकता के लिए बिड की मात्रा का अधिकतम प्रतिशत / Maximum Percentage of Bid quantity for MII purchase preference	50

सार्वजनिक खरीद (मेक-इन-इंडिया को प्राथमिकता) आदेश 2017 के अनुसार केवल क्लास 1/क्लास 2 के स्थानीय आपूर्तिकर्ताओं को ही भागीदारी की अनुमति है दिनांक 16.09.2020 (समय-समय पर संशोधित एवं लागू) / Allow participation only from Class 1/Class 2 local suppliers as per the Public procurement(Preference to Make-in-india) order 2017 date 16.09.2020(as amended and applicable time to time)	Yes, in compliance with the MII ORDER : DPIIT Order(as amended and applicable time to time)
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एमएसई खरीद वरीयता/MSE Purchase Preference

एमएसई खरीद वरीयता/MSE Purchase Preference	Yes
सूक्ष्म और लघु उद्यम मूल उपकरण निर्माताओं/सेवा प्रदाता को खरीद में प्राथमिकता, यदि उनका मूल्य L1+X% / Purchase Preference to MSE OEMs/ Service Provider available upto price within L1+X%	15
सूक्ष्म और लघु उद्यम मूल उपकरण निर्माता/सेवा प्रदाता को खरीद में प्राथमिकता के लिए बिड की मात्रा का अधिकतम प्रतिशत / Percentage of Bid quantity/amount for MSE OEMs/ Service Provider Purchase preference	25

1. If the bidder is a Micro or Small Enterprise as per latest orders issued by Ministry of MSME, the bidder shall be relaxed from the eligibility criteria of "Experience Criteria" as defined above subject to meeting of quality and technical specifications. The bidder seeking Relaxation from Experience Criteria, shall upload the supporting documents to prove his eligibility for Relaxation.
2. If the bidder is a Micro or Small Enterprise (MSE) as per latest orders issued by Ministry of MSME, the bidder shall be relaxed from the eligibility criteria of "Bidder Turnover" as defined above subject to meeting of quality and technical specifications. If the bidder itself is MSE OEM of the offered products, it would be relaxed from the "OEM Average Turnover" criteria also subject to meeting of quality and technical specifications. The bidder seeking Relaxation from Turnover, shall upload the supporting documents to prove his eligibility for Relaxation.
3. If the bidder is a DPIIT registered Startup, the bidder shall be relaxed from the the eligibility criteria of "Experience Criteria" as defined above subject to their meeting of quality and technical specifications. The bidder seeking Relaxation from Experience Criteria, shall upload the supporting documents to prove his eligibility for Relaxation.
4. If the bidder is a DPIIT registered Startup, the bidder shall be relaxed from the the eligibility criteria of "Bidder Turnover" as defined above subject to their meeting of quality and technical specifications. If the bidder is DPIIT Registered OEM of the offered products, it would be relaxed from the "OEM Average Turnover" criteria also subject to meeting of quality and technical specifications. The bidder seeking Relaxation from Turnover shall upload the supporting documents to prove his eligibility for Relaxation.
5. The minimum average annual financial turnover of the bidder during the last three years, ending on 31st March of the previous financial year, should be as indicated above in the bid document. Documentary evidence in the form of certified Audited Balance Sheets of relevant periods or a certificate from the Chartered Accountant / Cost Accountant indicating the turnover details for the relevant period shall be uploaded with the bid. In case the date of constitution / incorporation of the bidder is less than 3-year-old, the average turnover in respect of the completed financial years after the date of constitution shall be taken into account for this criteria.
6. Experience Criteria: In respect of the filter applied for experience criteria, the Bidder or its OEM of the product offered in the bid {themselves or through reseller(s)} should have regularly, manufactured and supplied same or similar Category Products to any Central / State Govt Organization / PSU for number of Financial years as indicated above in the bid document before the bid opening date. Copies of relevant contracts and delivery acceptance certificates like CRAC to be submitted along with bid in support of having supplied some quantity during each of the Financial year. In case of bunch bids, the category of primary product having highest value should meet this criterion.
7. Preference to Make In India products (For bids < 200 Crore):Preference shall be given to Class 1 local supplier

as defined in public procurement (Preference to Make in India), Order 2017 as amended from time to time and its subsequent Orders/Notifications issued by concerned Nodal Ministry for specific Goods/Products. The minimum local content to qualify as a Class 1 local supplier is denoted in the bid document. If the bidder wants to avail the Purchase preference, the bidder must upload a certificate from the OEM regarding the percentage of the local content and the details of locations at which the local value addition is made along with their bid, failing which no purchase preference shall be granted. In case the bid value is more than Rs 10 Crore, the declaration relating to percentage of local content shall be certified by the statutory auditor or cost auditor, if the OEM is a company and by a practicing cost accountant or a chartered accountant for OEMs other than companies as per the Public Procurement (preference to Make-in -India) order 2017 dated 04.06.2020. Only Class-I and Class-II Local suppliers as per MII order dated 4.6.2020 will be eligible to bid. Non - Local suppliers as per MII order dated 04.06.2020 are not eligible to participate. However, eligible micro and small enterprises will be allowed to participate .The buyers are advised to refer the OM No.F.1/4/2021-PPD dated 18.05.2023.

[OM No.1 4 2021 PPD dated 18.05.2023](#) for compliance of Concurrent application of Public Procurement Policy for Micro and Small Enterprises Order, 2012 and Public Procurement (Preference to Make in India) Order, 2017 and its subsequent Orders/Notifications issued by concerned Ministry .Benefits of MSE will be allowed only if seller/service provider is validated on-line in GeM profile as well as validated and approved by Buyer after evaluation of documents submitted.

8. Purchase preference to Micro and Small Enterprises (MSEs): Purchase preference will be given to MSEs having valid Udyam Certificate and whose credentials are validated online through Udyam Registration portal as defined in Public Procurement Policy for Micro and Small Enterprises (MSEs) Order, 2012 dated 23.03.2012 issued by Ministry of Micro, Small and Medium Enterprises and its subsequent Orders/Notifications issued by concerned Ministry. If the bidder wants to avail themselves of the Purchase preference, the bidder must be the manufacturer / OEM of the offered product on GeM. In respect of bid for Services, the bidder must be the Service provider of the offered Service. Traders are excluded from the purview of Public Procurement Policy for Micro and Small Enterprises and hence resellers offering products manufactured by some other OEM are not eligible for any purchase preference. Relevant documentary evidence in this regard shall be uploaded along with the bid in respect of the offered product or service, and Buyer will decide eligibility for purchase preference based on documentary evidence submitted in case of product bids, whereas in case of services the eligibility is automatically validated. If L-1 is not an MSE and MSE Seller (s) has / have quoted price within L-1+ 15% (Selected by Buyer) of margin of purchase preference /price band defined in relevant policy, such MSE Seller shall be given opportunity to match L-1 price and contract will be awarded for 25% (selected by Buyer) percentage of total quantity. The buyers are advised to refer the [OM No.1 4 2021 PPD dated 18.05.2023](#) for compliance of Concurrent application of Public Procurement Policy for Micro and Small Enterprises Order, 2012 and Public Procurement (Preference to Make in India) Order, 2017. Benefits of MSE will be allowed only if seller is validated on-line in GeM profile as well as validated and approved by Buyer after evaluation of documents submitted.

If the buyer has mentioned MSE purchase preference in ATC then service provider is required to upload necessary documents for MSE purchase preference for verification by the buyer during evaluation.

एक्सेल में अपलोड किए जाने की आवश्यकता /Excel Upload Required :

Marine Product and Solutions - [1782384846.xlsx](#)

Marine Product Solutions (1 Unit)

(क्रमशः श्रेणी 1 और श्रेणी 2 के स्थानीय आपूर्तिकर्ता के रूप में अर्हता प्राप्त करने के लिए आवश्यक/Minimum 50% and 20% Local Content required for qualifying as Class 1 and Class 2 Local Supplier respectively)

क्या मूल्य भिन्नता लागू है?/Whether Price variation applicable?	मूल्य परिवर्तन खंड(पीवीसी) /Price Variation Clause	मूल्य भिन्नता खंड दस्तावेज़/Price variation clause document
Yes		91e75eef35506ccee6b726c211e3f85f.pdf

तकनीकी विशिष्टियाँ /Technical Specifications

क्रेता विशिष्टि दस्तावेज़ /Buyer Specification Document	Download
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इनपुट कर क्रेडिट(आईटीसी) तथा रिवर्स प्रभार (आरसीएम)/Input Tax Credit(ITC) and Reverse Charge(RCM) Details

जीएसटी पर इनपुट कर क्रेडिट /ITC on GST	जीएसटी उपकर कर क्रेडिट /ITC on GST Cess
NA	NA

परेषिती/रिपोर्टिंग अधिकारी तथा मात्रा/Consignees/Reporting Officer and Quantity

क्र.सं./S.No.	परेषिती/रिपोर्टिंग अधिकारी /Consignee Reporting/Officer	पता/Address	मात्रा /Quantity	डिलीवरी के दिन/Delivery Days
1	Shikha Rahangdale	362269,ICAR- CENTRAL MARINE FISHERIES RESEARCH INSTITUTE, VERAVAL CENTRE, MATSYA BHAVAN , BHIDIA, VERAVAL	1	60

क्रेता द्वारा जोड़ी गई बिड की विशेष शर्तें/Buyer Added Bid Specific Terms and Conditions**1. Generic**

OPTION CLAUSE: The Purchaser reserves the right to increase or decrease the quantity to be ordered up to 25 percent of bid quantity at the time of placement of contract. The purchaser also reserves the right to increase the ordered quantity up to 25% of the contracted quantity during the currency of the contract at the contracted rates. The delivery period of quantity shall commence from the last date of original delivery order and in cases where option clause is exercised during the extended delivery period the additional time shall commence from the last date of extended delivery period. The additional delivery time shall be $(\text{Increased quantity} \div \text{Original quantity}) \times \text{Original delivery period (in days)}$, subject to minimum of 30 days. If the original delivery period is less than 30 days, the additional time equals the original delivery period. The Purchaser may extend this calculated delivery duration up to the original delivery period while exercising the option clause. Bidders must comply with these terms.

2. Generic

Actual delivery (and Installation & Commissioning (if covered in scope of supply)) is to be done at following address

Veraval Regional Station of ICAR Central Marine Fisheries Research Institute, Bhidya, Veraval 362265
Veraval Regional Station of ICAR Central Marine Fisheries Research Institute, Bhidya, Veraval 362265
Veraval Regional Station of ICAR Central Marine Fisheries Research Institute, Bhidya, Veraval 362265
Veraval Regional Station of ICAR Central Marine Fisheries Research Institute, Bhidya, Veraval 362265
Veraval Regional Station of ICAR Central Marine Fisheries Research Institute, Bhidya, Veraval 362265

3. Generic

After award of contract – Successful Bidder shall have to get Detailed Design Drawings approved from buyer before starting fabrication. Successful Bidder shall submit Detailed Design Drawings for Buyer's approval, within 5 days of award of contract. Buyer shall, either approve the drawings or will provide complete list of modification required in the drawings within 5 days. Seller shall be required to ensure supply as per approved Drawings with modifications as communicated by Buyer. If there is delay from buyer side in approval of drawing- the delivery period shall be refixed without LD for the period of delay in approval of Drawing.

4. **Generic**

Bidders shall quote only those products (Part of Service delivery) in the bid which are not obsolete in the market and has at least 3 years residual market life i.e. the offered product shall not be declared end-of-life by the OEM before this period.

5. **Generic**

Bidders are advised to check applicable GST on their own before quoting. Buyer will not take any responsibility in this regards. GST reimbursement will be as per actuals or as per applicable rates (whichever is lower), subject to the maximum of quoted GST %.

6. **Generic**

Experience Criteria: The Bidder or its OEM {themselves or through reseller(s)} should have regularly, manufactured and supplied same or similar Category Products to any Central / State Govt Organization / PSU for 1 year before the bid opening date. Copies of relevant contracts to be submitted along with bid in support of having supplied some quantity during each of the year. In case of bunch bids, the primary product having highest value should meet this criterion.

7. **Scope of Supply**

Scope of supply (Bid price to include all cost components) : Supply Installation Testing and Commissioning of Goods

8. **Turnover**

Bidder Turn Over Criteria: The minimum average annual financial turnover of the bidder during the last three years, ending on 31st March of the previous financial year, should be as indicated in the bid document. Documentary evidence in the form of certified Audited Balance Sheets of relevant periods or a certificate from the Chartered Accountant / Cost Accountant indicating the turnover details for the relevant period shall be uploaded with the bid. In case the date of constitution / incorporation of the bidder is less than 3 year old, the average turnover in respect of the completed financial years after the date of constitution shall be taken into account for this criteria.

9. **Warranty**

Warranty period of the supplied products shall be 3 years from the date of final acceptance of goods or after completion of installation, commissioning & testing of goods (if included in the scope of supply), at consignee location. OEM Warranty certificates must be submitted by Successful Bidder at the time of delivery of Goods. The seller should guarantee the rectification of goods in case of any break down during the guarantee period. Seller should have well established Installation, Commissioning, Training, Troubleshooting and Maintenance Service group in INDIA for attending the after sales service. Details of Service Centres near consignee destinations are to be uploaded along with the bid.

10. **Rate Contract**

End User Certificate: Wherever Bidders are insisting for End User Certificate from the Buyer, same shall be provided in Buyer's standard format only.

अस्वीकरण/**Disclaimer**

The Additional Terms and Conditions (ATC) have been incorporated by the Buyer after approval of their Competent Authority. The Buyer ,is solely responsible for the impact of these clauses on the bidding process, its outcome, and consequences thereof including any restriction arising in the bidding process due to these ATCs and including the modification of technical specifications and / or terms and conditions governing the bid.All representations / grievances pertaining to the ATC clauses shall be raised with the buyer organization directly and not with GeM.If any of the clause(s) is/are incorporated by the Buyer regarding the following, the bid & resultant contract shall be treated as null & void. Further, GeM reserves the right, at its sole discretion, to cancel the bid forthwith, without issuance of any prior notice or intimation :-

1. Publishing Custom / BOQ bids for items for which regular GeM categories are available (unless such Custom / BOQ item is bunched with the major regular product Category Item).
2. Mandating procurement of / from specific Brand / Make / Model / Manufacturer / Dealer except in case of Single Bid / Proprietary Article Certificate (PAC) Buying.
3. Inclusion of disqualification criteria related to suspension of seller / service provider, where such suspension period has already expired.
4. Mandating submission of documents in physical form as a pre-requisite to qualify bidders.
5. Publishing bids on GeM for procurement of works.
6. Procurement of Goods by creating a Service bid on GeM & vice-versa.
7. Seeking sample with bid or approval of samples during bid evaluation process. However, trial / sample, as the case may be, shall be permitted in cases where trial / sample are allowed as per approved and published procurement policy of the Buyers' controlling Ministry / Department / State / Public Sector Enterprises Headquarters. If there is any violation of trial / sample clause with regard to approved policy of the Buyers' Ministry / Department / State / Public Sector Enterprises Headquarters, then this is to be determined and redressed by the concerned Buyer Organisation only.
8. Seeking experience from specific organization / department / institute only or from foreign / export experience.
9. Creating bid for items from incorrect categories.
10. Reference of conditions published on any external site or reference to external documents/clauses.
11. Asking for any Tender fee / Bid Participation fee, as the case may be.
12. Buyer added ATC Clauses which are in contravention of clauses defined in bid detail section, including specifications, EMD Detail, ePBG Detail and MII and MSE Purchase Preference sections of the bid, unless otherwise allowed by the applicable GeM GTC.
13. Any ATC clause in contravention with GeM GTC Clause 4 (xiii) (h) will be invalid. In case of multiple L1 bidders against a service bid, the buyer shall place the Contract by selection of a bidder amongst the L-1 bidders through a Random Algorithm executed by GeM system.
14. In a category based bid, adding additional items, through buyer added, additional scope of work/ additional terms and conditions/or any other document. If buyer needs more items along with the main item, the same must be added through bunching category based items or by bunching custom catalogues or bunching a BoQ with the main category based item, the same must not be done through ATC or Scope of Work.

Further, if any seller has any objection/grievance against these additional clauses or otherwise on any aspect of this bid, they can raise their representation against the same by using the Representation window provided in the bid details field in Seller dashboard after logging in as a seller. Buyer is duty bound to reply to all such representations and would not be allowed to open bids if he fails to reply to such representations.

All GeM Sellers/Service Providers shall ensure full compliance with all applicable labour laws, including the provisions, rules, schemes and guidelines under the four Labour Codes i.e. the Code on Wages, 2019; the Industrial Relations Code, 2020; the Occupational Safety, Health and Working Conditions Code, 2020; and the Code on Social Security, 2020 as and when notified and brought into force by the Government of India.

For all provisions of the Labour Codes that are pending operationalisation through rules, schemes or notifications, the corresponding provisions of the pre-existing labour enactments (such as The Minimum Wages Act, 1948, The Payment of Wages Act, 1936, The Payment of Bonus Act, 1965, The Equal Remuneration Act, 1976, The Payment of Gratuity Act, 1972, etc. and relevant State Rules) shall continue to remain applicable.

The Seller/ Service Providers shall, therefore, be responsible for ensuring compliance under:

- **All notified and enforceable provisions of the new Labour Codes as mentioned hereinabove; and**
- **All operative provisions of the erstwhile Labour Laws until their complete substitution.**

All obligations relating to wages, social security, safety, working conditions, industrial relations etc. and any other statutory requirements shall be strictly met by the Seller/ Service Provider. Any non-compliance shall constitute a breach of the contract and shall entitle the Buyer to take appropriate action in accordance with the contract and applicable law.

This Bid is governed by the General Terms and Conditions, conditions stipulated in Bid and Service Level Agreement specific to the Service, as the case may be, as provided in the Marketplace.

However, in case of Service, if any condition specified in General Terms and Conditions is contradicted by the conditions stipulated in Service Level Agreement specific to said Service, then it will over-ride the conditions in the General Terms and Conditions.

[यह बिड सामान्य शर्तों के अंतर्गत भी शासित है /This Bid is also governed by the General Terms and Conditions](#)

जेम की सामान्य शर्तों के खंड 26 के संदर्भ में भारत के साथ भूमि सीमा साझा करने वाले देश के बिडर से खरीद पर प्रतिबंध के संबंध में भारत के साथ भूमि सीमा साझा करने वाले देश का कोई भी बिडर इस निविदा में बिड देने के लिए तभी पात्र होगा जब वह बिड देने वाला सक्षम प्राधिकारी के पास पंजीकृत हो। बिड में भाग लेते समय बिडर को इसका अनुपालन करना होगा और कोई भी गलत घोषणा किए जाने व इसका अनुपालन न करने पर अनुबंध को तत्काल समाप्त करने और कानून के अनुसार आगे की कानूनी कार्रवाई का आधार होगा।/In terms of GeM GTC clause 26 regarding Restrictions on procurement from a bidder of a country which shares a land border with India, any bidder from a country which shares a land border with India will be eligible to bid in this tender only if the bidder is registered with the Competent Authority. While participating in bid, Bidder has to undertake compliance of this and any false declaration and non-compliance of this would be a ground for immediate termination of the contract and further legal action in accordance with the laws.

---धन्यवाद/Thank You---



केन्द्रीय समुद्री मात्स्यिकी अनुसंधान संस्थान का वेरावल क्षेत्रीय अवस्थान

(भारतीय कृषि अनुसंधान परिषद्, भारत सरकार)

पोस्ट बॉक्स नं. १७, मत्स्य भवन, भिडिया, वेरावल ३६२२६९, गुजरात, भारत

**VERAVAL REGIONAL STATION OF
CENTRAL MARINE FISHERIES RESEARCH INSTITUTE**

(Indian Council of Agricultural Research, Govt. of India)

P.B.No.17, Matsya Bhavan, Bhidiya, Veraval – 362 269, Gujarat, India.

F.No.: 2-70/2025/VRL/Spatial-Zonation

Dated: 25.06.2026

E-TENDER NOTICE

e-tender for Equipping designated geospatial lab and execution of marine spatial zonation for sustainable mariculture planning along the Gujarat Coast (2340 km, 12 NM territorial sea space)

The Veraval Regional Station of ICAR-Central Marine Fisheries Research Institute (ICAR-CMFRI) invites composite e-tender through e-procurement from eligible firms/agencies for equipping designated geospatial lab and execution of marine spatial zonation for sustainable mariculture planning and development along the Gujarat Coast (2340 km), including procurement, processing, digitization, survey application, hardware & software supply, installation along with its necessary fixtures, accessories and allied works/services as per details in the Annexures. Individual components may be bid separately; however, consolidated, all-inclusive pricing per component is mandatory as detailed in Annexure-VII. The Invited e-Tender for equipping designated geospatial laboratory space and associated services to be executed at ICAR-CMFRI, Veraval Regional Station, Matsya Bhavan, Bidiya Plot, Veraval-362 269, Gujarat.

Tender Number	F.No. 2-70/2025/VRL/Spatial-Zonation
Type of Tender	Two Packet Bunch Bid System (Technical & Financial)
Bid Validity	30 days from the date of Technical Bid opening
EMD	Rs. 5,50,000/- (Demand Draft/Banker's Cheque in favour of ICAR UNIT CMFRI, payable at Kochi)
Performance Security	3% of the total contract value
Validity of SD/PB	30 days after expiry of the contract
Submission of Bids	Online via Gem portal
Description of Work/Supply/Service	Equipping designated geospatial lab and execution of marine spatial zonation for sustainable mariculture planning and development along the Gujarat Coast (2340 km, 12 NM territorial sea space), including procurement, processing, digitization, survey application, hardware & software supply, installation along with its necessary fixtures, accessoires and allied works/services as per details in the Annexures.

Annexure-I

SCHEDULE OF SUPPLIES, WORK, SPECIFICATIONS AND SCOPE

This Annexure defines the comprehensive scope of supplies, works, services, infrastructure, instruments, data, and tools, and capacity-building support activities to be undertaken under the project for development of GIS and Remote Sensing based spatial Coastal Zoning, Planning through integrated mapping for the coastline of Gujarat, covering physical, ecological, oceanographic, socio-economic, and infrastructural dimensions. The scope encompasses data procurement, digitization, analysis, field surveys, system deployment, capacity building, and validation support.

A. GIS & Remote Sensing-Based Zoning Tools and Software

A1. Physical and Hydrographic Charts (2340 km coast)

The project shall include the procurement and integration of high-resolution physical and hydrographic charts covering the entire 2340 km coastline of Gujarat with 12 nautical miles of transit trajectory, inclusive of newly accreted or geomorphologically altered coastline segments.

The required chart scales as below ;

1. Gulf Of Khambhat, Northern Portion-1:75000
2. Hazira To Umargam- 1:125000
3. Approaches To Mundra Port-1:37500
4. Approaches To Ports From Diu To Papavav-1:75000
5. Approaches To Hazira- 1:37500
6. Jakhau To Dwarka- 1:150000
7. Gulf Of Kachchh (Deep Water Route) - 1:75000
8. Gulf Of Kachchh Eastern Portion- 1:75000
9. Gulf Of Khambhat (Cambay) Southern Portion- 1:100000
10. Gora Chan Creek To Godia Creek-1:150000
11. Gulf Of Khambhat- 1:150000
12. Gulf Of Kachchh- 1:150000
13. Dwarka To Navibandar- 1:150000
14. Navibandar To Veraval- 1:150000
15. Diu Head To Gopnath Point- 1:150000
16. Veraval To Diu Head- 1:150000

The source geo-spatial references and workflow involving digitization, thematic extraction, spatial harmonization, multi-layer integration, and conversion into deployment-ready advanced digital geospatial formats must be performed.

The baseline spatial datasets shall comprehensively represent:

- Nearshore and offshore bathymetry and depth contours
- Seabed morphology, sediment type, and substrate characteristics
- Tidal regimes, tidal streams, and current patterns
- Shoreline configuration, coastal geomorphology, erosion/accretion zones
- Navigational features including channels, ports, jetties, and maritime infrastructure
- Coastal protection structures and anthropogenic interventions

All charts shall be:

- Acquired from authoritative and licensed sources
- Cleared for institutional and project use
- Delivered in both raster and vector formats, including TIFF(*.tif), GeoTIFF (*.tif), SHP(*.shp), and other related vector files project files Gmap(*.gmap).
- Accompanied by complete metadata, projection details, datum information, accuracy statements, and usage constraints
- Harmonized to national and international geospatial standards (OGC/ISO compliant)

A2. Digitization of Geospatial Charts (13 coastal districts; 12 NM corridor)

Digitization at enlarged scales; spatial gridding suitable for 12 nautical mile territorial waters. Conversion of legacy charts and hardcopy sources to georeferenced digital datasets; topology checks; scale harmonization; creation of fishery-management grids; QA/QC and metadata documentation.

A3. Oceanographic Satellite Data Processing

This component shall include the acquisition, processing, analysis, integration, and publication of multi-source satellite and geospatial datasets covering the entire coastline of Gujarat (2340 km) along with an inland coastal influence buffer extending 5 km to 10 km from the shoreline, as required for comprehensive coastal planning and decision-making.

A3.a. Satellite Data Acquisition and Processing

Multi-parameter, multi-temporal satellite datasets representing physical, chemical, and biological oceanographic parameters shall be collected and processed for Gujarat's territorial waters. The scope includes:

- Radiometric, atmospheric, and geometric correction
- Sensor calibration and cross-sensor normalization
- Noise filtering, cloud masking, and gap filling
- Temporal compositing (monthly, seasonal, and annual products)
- Generation of spatial indicators such as:
 - Sea Surface Temperature (SST)
 - Salinity proxies
 - pH
 - Chlorophyll-a concentration
 - Turbidity
 - Current Velocity

All outputs shall be georeferenced, spatially explicit, and validated using in-situ observations and historical datasets. Current velocity to be modelled for the sea space under examination

A3.b. Coastal Buffer and Land-Sea Interface Mapping (5 - 10 km Corridor)

In addition to offshore datasets, comprehensive geospatial mapping shall be undertaken across the entire coastal stretch, covering a 5 km to 10 km inland buffer zone from the High Tide Line (HTL) to capture land-sea interaction dynamics critical for zonation and regulatory decision-making. This includes detailed extraction, digitization, and validation of: Road networks (national highways, state highways, district roads, coastal access roads), Railway infrastructure, Drainage and hydrological networks, including rivers, creeks, canals, stormwater drains, and outfalls, embankments etc.

A.3.c. Point of Interest (PoI) and Critical Asset Mapping

Identification, geocoding, and periodic updating of key Points of Interest (PoIs) and critical coastal assets, including but not limited to:

- Fishing harbors, landing centers, and jetties
- Ports, industrial clusters, SEZs, and logistics hubs
- Coastal settlements, tourism assets, and heritage sites
- Environmentally sensitive areas, wetlands, mangroves, and CRZ-regulated zones
- Disaster management assets, shelters, and evacuation infrastructure

These datasets shall be regularly updated to reflect infrastructure expansion, environmental changes, and policy requirements, ensuring long-term relevance for decision-support applications.

A.3.d. Integration into Decision Support Maps

All processed satellite-derived products, corridor datasets, infrastructure layers, and PoIs shall be:

- Harmonized to a common spatial reference framework
- Integrated into GIS-based analytical and suitability models
- Linked with zonation rules, regulatory constraints, and multi-criteria decision analysis (MCDA) workflows
- Structured to support scenario analysis, risk assessment, and planning interventions

A.3.e. Data Publishing, Tiling, and Visualization

The complete geospatial repository shall be:

- Published through a centralized GIS platform
- Converted into optimized tile layers (XYZ/WMTS) using standardized base maps
- Configured for seamless visualization, querying, and overlay at multiple zoom levels
- Enabled for role-based access to support planners, administrators, and field agencies

All datasets shall be delivered with OGC-compliant services, metadata, version control, and documentation to ensure interoperability, scalability, and sustained operational use within the Decision Support System.

A4. Advanced GIS Workstations & Geospatial Lab Infrastructure

Supply, installation, and commissioning of GIS high configuration geospatial lab system (1 workstation, 2 Desktops and 2 Laptops) Include HVAC control (2 AC units), UPS -power backup, network modems/routers, data storage, digital displays televisions, cabling, safety fixtures, and accessories.

a. High-End Workstation: 01 Nos

- Intel i9 / Xeon processors equivalent enterprise-grade CPUs
- 64 GB RAM, 1 TB high-speed storage
- Dedicated NVIDIA 4 GB GPU for Remote Sensing & GIS rendering, AI acceleration, and image processing
- 27" professional display monitor for cartographic precision
- Windows 11 Professional with auto-upgradation
- Minimum 1 year Warranty

b. Remote Sensing & GIS Desktop System: 02 Nos

- Intel i7 processor or higher
- 32 GB RAM, 1 TB high-speed storage
- 1GB Graphic Card
- 27" monitors for spatial visualization
- Windows 11 Professional with auto-upgradation
- Minimum 1 years Warranty

c. Laptops for Field Staff: 02 Nos

- Intel i7 processor or higher
- 16 GB RAM, 1 TB high-speed storage
- 15" display, integrated graphics
- Windows 11 Professional with auto-upgradation
- Lightweight, travel-friendly form factor
- Supplied with laptop bags
- Minimum 1 year Warranty

d. Air Conditions (HVAC Control): 02 Nos

- **Brand: Daikin/LG/Samsung/Whirlpool/Lloyd**
- Minimum 1.5 Ton with 3 Star Inverter Split AC
- Warranty: 1 Years on Product, 5 Years on PCB, 10 Years on Compressor
- Special Features: Cools at 52 degree celsius; Dew clean technology; Triple display; PM2.5 Filter; 3D Airflow
- Refrigerant Gas: R32 - Environmental Friendly - No Ozone Depletion Potential

e. UPS Power Backup:

- On-Line UPS, 2000VA, 230V,
- 3x India + 1x Hard wire 3-wire(1P+N+E) outlets
- SMF batteries
- Minimum 15 minutes power backup
- Main Input Voltage: 230 V
- Product or component type: Uninterruptible power supply (UPS)
- Other Input Voltage: 220 V
- Main Output Voltage: 230 V

- Other Output Voltage:220 V
- Rated power in: W 1600 W
- Rated power in VA 2000 VA
- Output connection type:3 India 3-pin 6A
- Output connector type: Hard wire 3-wire (1P + N + E) 1
- Number of rack unit 2U
- Provided equipment: 1 USB cable
- 1 RS-232 configuration cable
- 1 rack mounting brackets
- 1 stabilization/wall mounting feet
- 1 battery cable
- Range of product Easy UPS On-Line

f. Data Storage: 04 Nos

5TB External HDD with Password Protection for Windows OS

- Digital Storage Capacity: Minimum 5 TB
- Hard Disk Interface: USB 3.0
- Network Connectivity Technology: USB
- Product Features: Portable, Password protection
- Hard Disk Form Factor: 2.5 Inches
- Compatible Devices: Workstation, Desktop, Laptop
- Hard Disk Rotational Speed: Minimum 5400 RPM
- Specific Uses For Product: Personal
- Read Speed: Minimum 100 Megabytes Per Second
- Media Speed: 100
- Cache Memory Installed Size: 5
- Data Transfer Rate: Minimum 2500 Megabytes Per Second
- Hardware Connectivity: USB
- Minimum 1 year warranty

g. Video Conferencing Camera: 01 Nos

- Full HD Webcam with Auto Light Correction
- Show Mode,
- Dual Noise Reduction Mics
- Webcam Privacy Cover
- Works with Microsoft Teams, Google Meet, Zoom, USB-C Cable – Graphite
- Network Connectivity Technology: USB
- Product Features: Low Light
- Image Stabilization Type: Digital
- Wireless Compability Radio Frequency
- Minimum 1 year warranty

h. Video Conferencing Microphone: 01 Nos

- USB Speakerphone,
- Certified AI Mics 360°Voice Pickup minimum 10 feet distance
- USB Type C-A
- Plug & Play computer speakers with microphone,
- Fast Mute Noise Reduction Echo Cancellation for 5-8 People for Zoom, Teams, Google, Webex meeting etc.
- Minimum 1 year warranty

i. Internet Modem: 01 Nos

- Frequency Band Class: Dual-Band
- Wireless Compatibility: 802.11ac, 802.11ax, 802.11b, 802.11g, 802.11n
- Compatible Devices: Smart Television
- Connectivity Technology: Ethernet, Wi-Fi
- Antenna Type: Internal
- Operating System: Windows
- Security Protocol: Wpa, Wpa2, Wpa3, Wpa/Wpa2-Enterprise (802.1x)
- Number of Ports: Minimum 5 Nos
- Control Method: App
- Data Transfer Rate: 1800 Megabits Per Second
- LAN Port Bandwidth: 1000 Mbps
- Voltage: 220 Volts (AC)
- Maximum Upstream Data Transfer Rate: 1800 Megabits Per Second
- RAM Memory Installed: 16 GB
- Number of Antennas: 4
- Wi-Fi Generation: Wi-Fi 6
- Connectivity Protocol: Wi-Fi, Ethernet
- Coverage: Wide
- Frequency: 5 GHz

j. Television: 02 Nos

- Screen Size: Minimum 50 inch
- Resolution: 4K Ultra HD (3840x2160)
- Refresh Rate: Minimum 60 Hz Native, 178-degree wide viewing angle
- Connectivity: 3 HDMI ports and 1 USB ports to connect hard drives and other USB devices
- Wi-Fi and Bluetooth Connectivity : Wi-Fi (Built-in), Bluetooth Connectivity (v 5.0), Ethernet Input, RF Input (Antenna/Cable)
- Sound : Minimum 20 Watts Output, AI Sound Pro (Virtual 9.1.2 Up-mix), Dolby Atmos, Clear Voice Pro (Auto Volume Levelling), AI Acoustic Tuning
- Smart TV Features : ALLM (Auto Low Latency Mode), WebOS 25, Intelligent Voice Recognition, Works with Hey Google, minimum 2 GB RAM, minimum 8 GB ROM, Energy Rating : minimum 2 Star
- Display : 4K Ultra HD (3,840 x 2,160), 4K Super Upscaling, Dynamic Tone Mapping, HDR10 / HLG, 4K Expression Enhancer
- Warranty Information: Minimum 1-Year Standard Warranty

k. Geospatial Lab Setup:

- Conference Table : 01 Nos, Minimum 6 seating capacity
- Executive chair for conference room : 01 Nos
- Conference room & Workstation chair: 10 Nos
- Workstation Table: 04 Nos
- Electric Wiring and fixtures: including critical electrical wires, switches, lights, wiring protection, installation, necessary electrical works supporting enough for the lab space.
- Lab furnishing including, false ceiling, light panelling, glass door, door frames, digital access door lock (1), glass door fostering, naming boards, wall paper, carpenter works and other miscellaneous related to furnishing (Lab area 22X17 feet Floor, Walls 4 side 12ft height).

A5. GIS Software Licenses

Floating licenses for GIS and analytical tools (e.g., Erdas/MapInfo/AHP/GSM/G-mAP) which includes Spatial analysis, geoprocessing analysis, query analysis, raster and vector analysis, AI/ML tools, and remote sensing image toolkits. Licenses shall support at least 4 concurrent users including annual maintenance (AMC) support for project period. The provided software must has the following technical compliant.

Category	Functionality Requirement
Core GIS Operations	Buffer, Clip, Erase, Intersect, Union, Dissolve, Spatial Join, Relate, Summarize, Polyline-to-Polygon, Polygon Auto-numbering, Overlay analysis, Spatial query, Attribute query
Spatial Data Editing	Create/Edit Point, Line, Polygon; Geometry editing; Attribute editing; Split; Merge; Snap operations; Coordinate system transformations; Projection; Reprojection
Data Import	Support for Raster (ADF, ASC, BIL, BITMAP, BT, DEM, ECW, GRD, GIF, IMG, JP2000, JPEG, KAP, Netcdf, NTF, PGM, PNG, PNM, PPM, SID, Tiff, VRT) and Vector (CSV, DGN, DXF, GeoJson, GML, JSON, KMZ, KML, MIF, SHP) and Database (Postgres, MSSQL and Oracle)
Data Export	Support for Raster (ADF, ASC, BITMAP, BT, COG, GRD, GIF, IMG, JP2000, JPEG, Netcdf, PGM, PNG, PNM, PPM, SID, Tiff, VRT) and Vector (CSV, DGN, DXF, GeoJson, GML, JSON, KMZ, KML, MIF, SHP) and Database (Postgres, MSSQL and Oracle)
Geoprocessing	Raster & vector operations; Contouring; Slope; Aspect; Flow direction; Watershed delineation; Terrain analysis; Volume analysis; interpolation
Image Processing	Classification (supervise and unsupervised); Image segmentation; Resolution merge; Layer stacking; Georeferencing; Mosaicking; Filtering (High/Low pass, FFT, Laplacian); Enhancement (Histogram equalization, Logarithmic, Gaussian, Square root); SAR Data Processing
Indices	NDVI, NDBI, NBRI
3D Analysis	System should provide the option for 3D visualization and 3D analysis and it should support for 3DML features as well.
AI/ML-based Object Extraction	Built-in object identification & pattern recognition, text analytics, audio analytics, video analytics

Raster Analysis	Flood inundation mapping, heat mapping; Digital terrain analysis; Raster algebra; Raster statistics; Raster Clip; Raster mosaic
Licensing Requirements	Open licensing model without hardware dependency

A6. In-situ Oceanographic Data Collection Equipment

The bidder shall supply, deploy, and make operational a comprehensive set of in-situ oceanographic data collection instruments for acquisition of physical, chemical, and geomorphological parameters in coastal, nearshore, estuarine, and marine environments. The equipment shall be suitable for baseline data generation, periodic monitoring, ground-truthing, and validation of remote sensing and model-derived datasets.

The scope shall mandatorily include the following instruments:

a) Current Meter

Portable current meters capable of measuring current speed and vertical flow profiles across the water column under varying tidal and hydrodynamic conditions. The instruments shall support real-time data acquisition.

Technical Specifications

- Operating Frequencies: ≥ 100 Khz
- Depth Detection: ≥ 30 m
- Velocity Range: ± 5 m/s (default)
- Communication Interfaces: RS-232 / USB / Bluetooth
- Data Logging: Internal memory with export capability
- Deployment Type: Boat-mounted / Bottom-mounted / Portable

b) Multi-Parameter Water Quality Kit

In-situ water quality kit capable of measuring, at a minimum, Dissolved Oxygen (DO), pH, temperature, salinity, and conductivity. The instruments shall be suitable for marine and salt waters and shall support geo-referenced data logging.

Technical Specifications

- Measurement Temperature Range: 0°C to 50°C
- Sensor Technology:
 - Electrochemical (pH)
 - Amperometric (EC/TDS)
- Probe Type: Multi-sensor integrated probe
- Data Logging: Internal memory with date & time
- Power: Battery operated / rechargeable
- Deployment: Handheld

c) Eco-Sounder

Single-beam or equivalent eco-sounder suitable for marine-water bathymetric measurements in coastal and nearshore zones.

Technical Specifications

- Channels: 1 or 2 frequency agile channels
- Frequency Range: 10 kHz to 250 kHz
- Depth Range: 0.5 m to 60 m
- Compatibility: Wide range of transducers

d) Sediment Sampling Equipment

Sediment corers and grab samplers suitable for collection of seabed and suspended sediment samples for sedimentological and environmental analysis.

Technical Specifications

- Sampler Type: Grab / Core
- Material: Stainless Steel (SS304 or higher)
- Operation Mode: Manual
- Sampling Capacity: ≥ 5 kg
- Diameter: Approx. 4 inch
- Rod Length: ≥ 1.5 m
- Surface Finish: Mirror finish
- Application: Marine sediment sampling, environmental studies

e) Handheld GPS

Handheld GPS devices with adequate horizontal positional accuracy for precise georeferencing of all in-situ observations, sampling points, transects, and monitoring locations.

Technical Specifications

- Screen Size Unit of Measure: Minimum 2 Inches
- Product Features: Waterproof
- Network Connectivity Technology: USB
- Map Coverage Type: Worldwide
- Audio Output Mode: mono
- Battery Average Life: Minimum 12 Hours
- Mounting Type: Handheld
- Resolution: 480 x 272
- Display Type: LCD, LED
- Human Interface Types: Buttons
- Control Method: Push Button
- Supported Satellite Navigation System: GPS
- Minimum 1 year warranty

f) Ground-Truthing Kits

The bidder shall also provide all required calibration standards, reference solutions, consumables, sample containers, cables, digital current meter, measurable tape, compass, GPS device, and accessories necessary for accurate operation and routine field deployment of the instruments throughout the project period.

The bidder shall ensure that all equipment:

- are new and of proven performance,
- Conforms to relevant national and international standards,

The bidder shall submit technical specifications, calibration certificates, compliance statements, and operation manuals as part of the technical bid. Any deviation from the specified requirements shall be clearly indicated in the compliance matrix.

A7. Socio-Infrastructural Survey

The bidder shall undertake to develop and provide the customized mobile app for comprehensive socio-infrastructural surveys covering coastal communities and associated infrastructure within the project area, in order to generate structured, verifiable, and geo-referenced datasets to support planning, regulatory compliance, and decision-support systems under coastal management frameworks.

The scope of work shall include household and community-level enumeration using scientifically designed and structured questionnaires mobile app which can be seamlessly integrated with proposed GIS software, where data can be directly seen as soon as the survey is completed. The surveys shall capture demographic, socio-economic, occupational, and livelihood-related attributes of coastal populations, with specific emphasis on fisheries-dependent and allied coastal communities from department side.

The bidder shall conduct sample set of 10 to 15 random location and deliver the training to concerned department/project staff to further perform physical and spatial surveys of coastal infrastructure, including but not limited to:

- Fish landing centres and harbours,
- Cold storage and cold chain facilities,
- Fish markets, processing units, and storage yards,
- Associated access infrastructure such as approach roads, utilities, and service facilities.
- Coastal topology, infrastructure feature and demographics and its data input methodology for extraction of features, etc

The surveys shall include access and tenure assessment, documenting ownership, usage rights, customary access, seasonal usage patterns, and institutional or regulatory controls applicable to coastal resources and infrastructure.

The bidder shall also undertake stakeholder identification and preference profiling, covering key stakeholder groups such as fishers, vendors, processors, cooperatives, local bodies, and relevant line departments. The profiling shall capture needs, constraints, perceptions, and preferences relevant to coastal resource use, infrastructure development, and policy interventions.

The bidder shall submit survey methodologies, mobile app details, questionnaire formats, sampling design, and data management protocols for approval prior to commencement of field activities. All outputs shall conform to the requirements of relevant coastal regulatory, fisheries, and socio-economic monitoring frameworks.

Here is the questionnaire which need to be collected.

Section A: General Information (Enumeration Details)

Sl. No	Question / Indicator	Response Type	Enumerator Notes
A1	Survey ID / Household ID	Alphanumeric	Unique identifier
A2	Date of Survey	Date	DD/MM/YYYY
A3	Enumerator Name	Text	
A4	Village / Ward / Hamlet	Text	
A5	Coastal Stretch / Landing Centre	Text	If applicable
A6	GPS Coordinates (Lat, Long)	Numeric / Auto	Mandatory
A7	Type of Respondent	MCQ	Household / Individual / Facility / Institution

Section B: Demographic Profile

Sl. No	Question / Indicator	Response Type	Enumerator Notes
B1	Age Group	MCQ	<18 / 18–30 / 31–45 / 46–60 / >60
B2	Gender	MCQ	Male / Female / Other
B3	Education Level	MCQ	Illiterate to Postgraduate
B4	Household Size	Numeric	No. of members

Section C: Livelihood and Occupation

Sl. No	Question / Indicator	Response Type	Enumerator Notes
C1	Primary Occupation	MCQ	Fisheries / Allied / Other
C2	Secondary Occupation	Text	
C3	Average Working Days per Month	Numeric	
C4	Seasonal Dependence on Coastal Resources	MCQ	High / Medium / Low

Section D: Infrastructure Usage and Accessibility

Sl. No	Question / Indicator	Response Type	Enumerator Notes
D1	Nearest Fish Landing Centre Used	Text	

D2	Distance to Landing Centre (km)	Numeric	
D3	Mode of Transport	MCQ	
D4	Facilities Available at Landing Centre	Multi-select	Auction / Ice / Water / Sanitation / Power
D5	Access to Cold Chain Facilities	Yes / No	
D6	Type of Cold Chain	MCQ	Ice / Cold Storage / Reefer
D7	Nearest Fish Market Used	Text	
D8	Distance to Market (km)	Numeric	

Section E: Access, Tenure, and Usage Rights

Sl. No	Question / Indicator	Response Type	Enumerator Notes
E1	Nature of Access to Coastal / Marine Resources	MCQ	Customary / Lease / Permit / Informal
E2	Infrastructure Ownership Type	MCQ	Government / Cooperative / Private / Community
E3	Conflict Related to Access or Usage	Yes / No	
E4	Brief Description of Conflict	Text	If applicable

Section F: Environmental and Regulatory Awareness

Sl. No	Question / Indicator	Response Type	Enumerator Notes
F1	Awareness of CRZ / Coastal Regulations	MCQ	Aware / Partially Aware / Not Aware
F2	Observed Changes in Coastal Environment	Multi-select	Erosion / Catch Decline / Pollution
F3	Impact of Regulations on Livelihood	MCQ	Positive / Neutral / Negative

Section G: Stakeholder Preferences and Needs

Sl. No	Question / Indicator	Response Type	Enumerator Notes
G1	Priority Infrastructure Needs	Ranking / Multi-select	
G2	Preferred Government / Agency Support	MCQ	
G3	Willingness to Participate in Consultations	Yes / No	

Section H: Additional Observations

Sl. No	Question / Indicator	Response Type	Enumerator Notes
H1	Key Issues / Challenges Faced	Text	Open-ended
H2	Suggestions for Improvement	Text	Open-ended

A.8. Trainings & Knowledge Transfer

The bidder shall design, organize, and conduct structured training programmes, workshops, and capacity-building sessions for project staff to operate the GIS software and mobile app.

The training and capacity-building activities shall aim to enhance technical understanding, operational skills, regulatory awareness, and effective participation in project-related processes, including data collection, monitoring, analysis, compliance, and decision-making under coastal and marine management frameworks.

The scope shall include planning and delivery of both classroom-based software training and field-oriented sessions using mobile app, as appropriate, covering relevant thematic areas identified by the Client. The bidder shall prepare training modules, presentations, handouts, and reference materials in suitable formats and languages for effective dissemination.



Principal Investigator,
Veraval Regional Centre of CMFRI,
MatsyaBhavan, Bhidiya, Veraval

Annexure - II

INSTRUCTIONS TO BIDDERS

1. The tender is in Two Bid System. These bids are to be uploaded to online modes only.
2. Tenders are required to be submitted with Earnest Money deposit (EMD) amounting to **Rs. 5,50,000/-** the EMD must be deposited in off line with the **Scientist-in-Charge, Veraval Regional Station of ICAR-CMFRI, Matsya Bhavan, Bhidiya, Veraval well before closing date & time for submission of bids, in the form of a demand Draft drawn in favour of ICAR UNIT CMFRI payable at Kochi from any of the scheduled commercial Bank**, failing which the bid is liable to be rejected. No conditional bid will be accepted. The EMD will be refunded to the unsuccessful bidders as soon as practicable after a decision has been taken on the Tender and to the successful bidders after furnishing the required security deposit for the contract. If Bidder has valid startup India and MSME both certificate than EMD will be exempted and Bidder need to submit the EMD Exemption letter along with proof of EMD Exemption certificates which has asked.
3. The tender must be uploaded to the online portal only and shall be accompanied with all other necessary documents in the prescribed formats. Financial quotes must be comprehensive and all-inclusive for each component (Annexure -VII, VII-A and VII-B), covering procurement, licensing, fabrication/installation, logistics, manpower, calibration, insurance, taxes/duties, and incidental expenses. must be strictly all-inclusive and shall cover all associated costs including procurement, fabrication, packaging, transportation, loading and unloading, manpower, on-site deployment, marine logistics, installation, demonstration, and any other incidental or statutory expenses. The consolidated final amount to be charged has to be indicated in India Rupees both in words and figures in the prescribed proforma of Bill of Quantity (BOQ) and there shall be no correction or overtyping etc. The offers with any corrections/deviation in prices in words/figures shall be summarily ignored. The conditional offer (S) shall, in no case, be accepted.
4. The work shall normally be awarded to a single firm whose consolidated bid value is lowest meeting all scopes of work and fulfilling all the term and conditions of the tender. Technical bid will be given first preference for evaluation. The Finance Bid will be opened only for those bidders who will be technically qualified in technical bid. The CMFRI reserves the right to reject all or any of the quotations, and decision Director, CMFRI in the matter shall be final/binding. The quotations lower than the existing statutory minimum wages as per Central Govt. rate or State Govt. rate whichever is higher for the corresponding categories shall be summarily rejected.
5. The successful bidder shall have to deposit 3% of the total bid amount (quoted for full period) as performance security and within the time frame indicated by the CMFRI. Exemptions for SMEs and startups will be as per the stipulated guidelines by the Govt. of India.

6. No interest on Performance security and Earnest Money deposits shall be paid by the CMFRI to the tenderer.
7. The firm is being permitted to give tenders in consideration of the stipulations on his part that after submitting his tenders, he will not resile from his offer or modify the terms and conditions thereof. If the tenderer fails to observe and comply with the forgoing stipulation the aforesaid amount of EMD will be forfeited by the Institute. In the event of the offer made by the tenderer not being accepted, the amount of earnest money deposited by the tenderer will be refunded to him after he has applied for the same.
8. The performance Security shall be valid till all contractual obligations are fulfilled by the firm. The same shall stand forfeited in case of cancellation of the contract for any breach of contract or for any deficiency in the performance noticed during the currency of the contract.
9. The tenderer is liable to be ignored if complete information as required is not given therein or if the particulars asked for in the schedules to the tenders is not fully filled in. Individual signing the tenders or other documents connected with the contract may specify whether he signs it in the capacity of (i) a sole proprietor of the Firm or constituted attorney of such sole proprietor, or (ii) a partner of the firm if it be partnership in which case he must have authority to refer to arbitration dispute concerning the business of the partnership whether by virtue of the partnership agreement of power of attorney or (iii) constituted attorney of the firm if it is a company.
10. In case of Partnership firms, where no authority has been given to any partner to execute the contract/agreement concerning the business of the Partnership, the tenders and all other related documents must be signed by every partner of the Firm. A person signing the tenders form or any other documents forming part of the contract on behalf of another shall be deemed to warranty that he has Authority to bind such other and if, on enquiry it appears that the person so signing had no authority to do so, the Institute shall without prejudice to other Civil and Criminal remedies cancel the contract and hold the signatory liable for all costs and damages. Each page of the tender and schedules to the tenderer and annexure, if any, signed by the tenderer.
11. Acceptance by the CMFRI will be communicated by fax/Telegram, letter or any other form of communication, Formal letter of the acceptance and work order of the Tenders will be forwarded as soon as possible, but the earlier instruction in the FAX/Telegram/Letter etc. should be acted upon immediately.



Principal Investigator,
Veraval Regional Centre of CMFRI,
MatsyaBhavan, Bhidiya, Veraval

Annexure - III

TERMS AND CONDITIONS OF THE CONTRACT

(A). Terms of Reference (ToR) and conditions for material supply/work execution:

1. Delivery & Commissioning: Hardware, software, and lab infrastructure must be installed, commissioned, and tested on-site with acceptance sign-off by PI, CMFRI. All software, hardware and accessories should be customized integrated system and must run effectively and efficiently.
2. Data Standards : CRS WGS84 (EPSG :4326); projected CRS UTM Zone 43/44N or India-specific equal-area projections for analysis ; target scales 1 :50,000 for coastal zonation grids ; full ISO 19115 metadata.
3. Quality Assurance: Provide QA/QC protocols for digitization, satellite data processing, and field measurements; calibration certificates for instruments; validation reports contrasting satellite-derived indices with in-situ measurements.
4. Deliverables (As per Annexure-VII) : GIS database (vector/raster), zonation maps (PDF/GeoTIFF), site suitability index layers, socio-infrastructure datasets (anonymized), training manuals, and final technical report.
5. IP Ownership & Confidentiality: All IP generated or improved under the contract shall be owned by ICAR-CMFRI; suppliers must maintain confidentiality and are barred from third-party disclosure.
6. Bid Format: Quote single consolidated lump-sum price component-wise in the BOQ as per Annexure VII, Annexure - VIIA and Annexure -VII B; conditional/optional/multi-part pricing will be treated as non-responsive.
7. Opening & Evaluation: Technical Bid will be evaluated first; only technically qualified bids will have Financial Bid opened, as it's two packet bid.
8. AMC: Bidder must be responsible to provide the AMC of Hardware, Software, and customized applicaiton etc for the total project period after the warrenty period. During the AMC period bidder must provide the online and offline support and servicing support as and when required during the project period.
9. Performance Security: 3% of total bid amount; forfeiture in case of breach or deficiency in performance.
10. Liability & Insurance: Bidder to ensure safety of personnel/equipment; marine operations insurance recommended; CMFRI bears no liability for bidder's staff.
11. Compliance: All operations must comply with national/state regulations for marine surveys, safety, and data handling.

12. Handover: Final data, models, documentation, and licenses (institutional) to be handed over; revoke any user-bound licenses post-handover as per terms.

(B). Terms of Reference (ToR) and conditions for financial quote by the bidder.

In view of the sensitivity of the tendered material supply/work, the following terms and conditions were given below for better understanding the scope of work and costs for the following must be included along with the **final price** quoting in BOQ. Refer Annexure-I for detail specification, and Annexure -VII and their sub components Annexure – VIIA and Annexure – VII B.

Annexure-IV

ELIGIBILITY CRITERIA

S. No.	Empanelment criteria	Supporting documents	Compliance (Yes/ No)
1	The bidder should be a Company registered in India under the Companies Act 1956 or a partnership registered under the India Partnership Act 1932 with their registered office in India or Proprietary / LLP registered with the relevant competent authority.	Certificate of Incorporation/Registration and Attested copy of the Memorandum or Articles of Association	
2	The bidder should be operating in the field of GIS software development provided GIS software solutions for a minimum of last three years and must have completed minimum 5 assignments of GIS websites/ portals/ application development for Private/ Central Govt./PSU/State Government.	Copy of Work Order, Customer satisfaction certificate should be attached.	
3	The bidder shall have an annual turnover of at least Rs. 200 Lakhs in the last three financial years (i.e. 2024-2025, 2023-2024, 2022-2023) obtained through Geospatial and allied software development.	Audited Financial Statements and Annual Report and Certified statement from the current Statutory Auditors of the bidder	
4	The bidder should not currently have been blacklisted by any Government Agency under a declaration of ineligibility for fraudulent or corrupt practices ineffective performance.	Certified statement from the Authorized or Signatory of the bidder	
5	Bidder has an operational dedicated software development center in India	Certified statement from the authorized signatory of the bidder.	
6	The bidder shall be an Indian OEM. If the bidder is not an Indian OEM, a valid OEM authorization certificate from an Indian OEM for the quoted software must be submitted along with the bid.	Certified patent certificate or MAF from OEM certificate	
7	Bidder must completed enterprise GIS project which includes satellite data providing, DGPS survey, Product Deliver, Mobile and Web GIS application customization, AI/ML tool development, auto feature extraction and change detection using GeoAI	Copy of work order/work completion	

8	Bidder must have experience is onsite GIS resource deployment	Copy of work order/work completion certificate	
9	The bidder should have positive net worth during the past three (3) years	CA Certificate	
10	The bidder should have a) ISO 9001:2015 Certification in IT/ ICT/ Application Development / GIS related activities /Cloud Services and Spatial Decision Support System; b) ISO 27001:2013 Certification in Geographic Information System, Cloud Services, Applications Development, Mobile Application Development Or The bidder should have CMMI Level 3 or higher certification	Copy of ISO certificates or CMMI Certificate	
11	The bidder should have more than 40 staff	HR Certificate	
12	The bidder should have completed one Enterprise GIS project	Copies of Work Order & Completion Certificate/ Invoices	

Additional Terms of Reference (ToR) / Eligibility Criteria Subjecting to OEM

1. OEM Authorization:

The bidder shall submit a valid OEM Authorization Letter (OAL) or Manufacturer's Authorization Form (MAF), wherever applicable, specifically authorizing the bidder to supply, integrate, install, commission, and provide warranty/support for the quoted products/solutions under this tender.

2. Technology Ownership/Licensing:

The bidder shall clearly indicate the ownership, authorized distributorship, or valid licensing / agreement/ MoU arrangement for all proprietary software, platforms, tools, or technologies proposed under the project and furnish documentary evidence, wherever applicable.

3. Technical Capability:

The bidder shall demonstrate experience in execution of similar projects involving geospatial technologies, GIS, remote sensing, automation, AI/ML, decision support systems, or related ICT solutions by submitting relevant work orders/completion certificates from Government, PSU, Autonomous Bodies, or reputed organizations.

4. Documentary Evidence:

All supporting documents submitted towards eligibility, technical capability, OEM authorization, certifications, and experience shall be valid, relevant to the present tender, and issued by the competent authority. Submission of unrelated, expired, altered, or misleading documents shall render the bid liable for rejection as per the tender conditions.

5. Right of Verification:

The purchaser reserves the right to verify the authenticity of any document, authorization, certification, or declaration submitted by the bidder from the issuing authority/OEM at any stage of the procurement process. Non-verifiable or false information may lead to rejection of the bid.

6. Bid Responsiveness:

Only those bidders fulfilling all mandatory eligibility requirements and submitting complete supporting documents as stipulated in the tender shall be considered for further technical and financial evaluation

Annexure-V

TECHNICAL BID (Format)

Refer: Annexure-I & Annexure-IV for complete details

NOTE:

ALL NECESSARY DOCUMENTS IN SUPPORT OF THE DETAILS FOR THE WORK CONTRACT MUST ACCOMPANY THAT TECHNICAL BID. THE BID IS LIABLE TO BE REJECTED IN CASE DOCUMENTS ARE NOT SUBMITTED IN THE TECHNICAL BID. DOCUMENTS ARE IN COMPLETE IN CASE ANY CERTIFICATION/REGISTRATION HAS ALREADY EXPIRED BUT IS YET TO BE RENEWED. ONLY ESSENTIAL AND NECESSARY VALID DOCUMENTS ARE TO BE ATTACHED WITH THE TECHNICAL BID. PLEASE AVOID ENCLSOING OF EXTRANEIOUS AND IRRELEVANT DOCUMENTS WHICH UNNECESSARY CAUSES CONFUSION WHICH MAY RESULTS IN DISQUALIFICATION OF THE BID IN SHEER CONFUSION.

Following sections to be covered:

- Organization profile on letterhead.
- Team composition with CVs and roles/responsibilities.
- Detailed methodology : data sources, processing pipelines, model, validation plan, escalation matrix, training plan, solution architecture etc.
- Workplan and Gantt chart for milestones.
- Hardware specifications and lab layout drawings; power & HVAC plan.
- Software license details and support plan.
- Risk management and safety SOPs for marine operations.

Technical Qualification:

SI No.	Specific experience of the bidder relevant to the assignment / job	100 Marks	Proofs to be submitted
1	The bidder must have more than INR 2 Cr as average annual turnover in last 3 financial years ending 31.03.2025. The annual turnover shall be from Geospatial software development and associated Services components only. 75 Lakhs – 5 marks 1.5 Cr – 7 marks 2 Cr or above– 10 marks	10 marks	Audit reports to be submitted certified by CA
2	The Bidder with following certifications: a. Valid CMMI Level 3 Certification in Application	10 Marks	Certificate copies to be enclosed.

	<p>Development, Cloud Services, Machine Learning and Artificial Intelligence = 5 marks</p> <p>b. Valid ISO 27001:2013 Certification in Geographic Information System, Cloud Software Development, Mobile Application Development = 3 Marks</p> <p>c. Valid ISO 9001:2008/2015 Certification in IT/ ICT/ Software Development / GIS related activities /Cloud hosting and Spatial Decision Support System = 2 Marks</p>		(Any of the required components should be mentioned in the certificate)
3	<p>The Bidder must have experience in providing GIS manpower of more than Rs. 25 Lakhs for Govt. Dept.s/ PSUs:</p> <p>a. 1 project =5 marks b. 2 or more projects = 10 marks</p>	10 marks	Work orders/ Agreements/ Completion Certificates
4	<p>The Bidder must have experience in development of Web- GIS system, mobile application, Desktop Application on Open Source Technologies for Govt. Dept.s/ PSUs</p> <p>a. 1 project = 5 marks b. 2 projects = 10 marks</p>	10 marks	Work orders/ Agreements / Completion Certificates
5	<p>The Bidder must have experience in implementing GeoAI projects more than 50 Lakhs for Govt. Depts/ PSUs:</p> <p>a. 1 project value of 50 Lakhs =3 marks b. 2 or more projects of 50 Lakhs = 5 marks c. 1 Project value of 300 Lakhs = 10 Marks</p>	10 marks	Work orders/ Agreements / Completion Certificates

6	Technical Proposal including technology, product, application, AI/ML tools experience 1. Detail methodology, implementation approach, architectures, workflows, training plan- 25 marks 2. Scope of work including compliance understanding - 10 marks 3. Project team (Resource and roles and responsibility) - 5 marks 4. Deliverables and timelines- 5 marks 5. Overall quality of technical proposal -5 marks	50 marks	
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Note: The minimum score to get qualified for financial opening is 60 marks which is mandatory.

Annexure -VI
(Essential certificate given by the bidder as a part of Technical Bid)

To
The Director,
ICAR-CMFRI, Kochi-18.

It is confirmed that I/We have fully understood the scope of work and all other requirements for components A1-A9, B, and C as per the prescribed specifications and supply conditions for ICAR-CMFRI Veraval Regional Station. I/We agree to the terms and conditions of the contract and undertake that the documents enclosed are genuine. We are not blacklisted by any Government organization. This offer is valid for 90 days from the date of opening of the Bid.

For detail understanding the scope of work.

1. I/We hereby agree to the terms and conditions of the contract as detailed in the tender document.
2. We undertake that the documents enclosed herewith are genuine and no material/facts have been concealed or suppressed.
3. We are not blacklisted by any Government organization.
4. We also understand that the contract is liable to be cancelled if found to be obtained through fraudulent means or by concealment of information/facts.

This offer is made to be valid for acceptance by ICAR-CMFRI within 30 days from the date of opening of the Bid.

Date:

Signature & Seal of the Tenderer
(Stamp/Seal of the Firm)

Annexure -VII
PROJECT DELIVERABLES (Bill of Quantity)

SI No	Description	QTY	Cost
1	Physical and hydrographic charts supporting spatial data generation requirements, procurement for the 2340 km coast (2340 km new coast length) for the zoning regions	Lumpsum	
2	Digitization of geospatial charts for 13 coastal districts along 12 nautical mile transit trajectory with enlarged scales for the spatial zonation process, along with spatial gridding	Lumpsum	
3	Oceanographic (Physical, Chemical and Biological data sets) Satellite data processing for territorial waters off Gujarat and its allied data transformation works/activities etc. for the spatial zonation and its parameter mapping	Lumpsum	
4	Geospatial Lab Setup (Advanced dedicated Geographical Information Systems workstations (Xeon/i9 processor or equivalent specification), workstation computers 4 numbers (2 high configuration and 2 support laptop/desktop systems) each with optimized specifications and advanced configuration along with its necessary accessories and safety fixtures, customised cabins spaces, digital display, other geospatial laboratory related requirement), HVAC controlling systems for workstations (heating, ventilation, and air conditioning) (2 Nos), data storage facility (04 Nos), high power backup facility, modems, necessary accessories, digital displays, fittings, and supporting fixtures, with space and necessary infrastructure and it's all allied requirements etc) - Refer Annexure - VII-A for detail	Lumpsum	
5	Geographic Information Software, Erdas / MapInfo /GSM/G-mAP/AHP and other supporting analytical software related to spatial data analytics with users/ works/floating licensing etc. – 04 Nos)	Lumpsum	
6	In-situ Oceanographic parameter (Physical, Chemical, and Biological) data collection equipment, (Digital current meter, water quality digital kits/, Eco-sounder/bathymetry measuring equipment/depth gauges/corer/ grabs/GPS and other ground truthing related equipment) - Refer Annexure-VII-B for detail	Lumpsum	
7	Socio-infrastructurel survey mobile app (Enumeration, physical survey etc – 04 Nos)	Lumpsum	
	Total		

Annexure -VII-A
PROJECT DELIVERABLES (Bill of Quantity)

Sl No	Description	Qty	Unit Price	Total Amount
4.1	High end work station (Intel® Xeon/i9 Processor, 64GB RAM, Nvidia RTX A1000, 4GB GDDR6, 27Inch Monitor, 1TB SSD, Keyboard and Mouse, Windows 11 Professional)	1		
4.2	Desktop Computer work stations (Intel® Core™ i7 processor, 32GB RAM, 1TB SDD, 1 GB Graphic Card, 27 Inch Monitor, Wireless Driver, Intel AX211 Wi-Fi 6E 2x2, Bluetooth, Wired Keyboard and Mouse, Windows 11 Professional)	2		
4.3	High end Laptops (Intel® Core™ i7 processor, 16GB RAM 1TB SSD, 1GB Graphic Card 15 inch Screen, Windows 11 professional, Laptop bag)	2		
4.4	Big size LCD display (Display size minimum 50 inch)	2		
4.5	HVAC controlling systems for workstations : heating, ventilation, and air conditioning (AC 1.5 ton) - 1.5 ton with minimum 3 star inverter Split AC, 4-IN-1 Adjustable mode, Energy Efficient, High ambient Cooling-cools even at 52°C, Anti dust filter with Anti-microbial features	2		
4.6	Data storage devices/ Hard disk (Storage size > 5 TB, Transfer Speed > 3MBPS)	4		
4.7	Video Conferencing Camera - High Definition Camera, USB 3.0 – Ideal for Meetings on Zoom, Google Meet, PC, Laptop, MacBook	1		
4.8	Video Conferencing Micro Phone - Wireless Conference Speakerphone with Mute Feature, Loud Voice, Noise Reduction, 360°Pickup Upto 10ft	1		
4.9	Internet modem – Minimum 1000 Mbps speed	1		
4.1	High Power Backup Facility - UPS + Invertor + Batteries (Minimum 15 Minutes Backup facility)	1		
4.12	Infrastructure and allied requirement - Conference Table	1		
4.13	Infrastructure and allied requirement -Executive chairs	1		
4.14	Infrastructure and allied requirement -conference room chairs / working table chairs	10		
4.15	Infrastructure and allied requirement -Working cubicles/ or working tables	4		
4.16	Electric Wiring and fixtures	1		
4.17	Infrastructure and allied requirement - Lab furnishing including putty, cement work, colour, light panelling and carpenter works	1		
	Total Amount			

Annexure – VII-B
PROJECT DELIVERABLES (Bill of Quantity)

Sl No	Description	Qty.	Unit Price	Total Amount
6.1	Digital Current Meters: Portable current meters capable of measuring current speed, and vertical flow profiles	1		
6.2	Multi-Parameter Water Quality Sondes / Probes : The instruments shall be suitable for marine, brackish, and estuarine waters and shall support geo-referenced data logging. Parameters to captures for are Dissolved Oxygen (DO), pH, temperature, salinity, conductivity, and turbidity.	1		
6.3	Eco-Sounder / Bathymetry Gauge: Channels: 1 or 2 frequency agile channels, Frequency Range: 10 kHz to 250 kHz, Depth Range: 0.5 m to 100 m	1		
6.4	Sediment Sampling Equipment : Sampler Type: Grab / Core, Material: Stainless Steel (SS304 or higher), Operation Mode: Manual, Sampling Capacity: ≥ 5 kg, Diameter: Approx. 4 inch, Rod Length: ≥ 1.5 m	1		
6.5	Handheld GPS Unit : Horizontal Accuracy : ≤ 1 m (open sky), Display : ≥ 2 -inch TFT backlit screen, Measurement Modes should be area, distance and slope measurement, Minimum IP65, Rechargeable.	1		
6.6	Ground Truthing Kits : Field ground-truthing kits including field accessories i.e. measuring tape, compass, handheld GPS devices, sample containers, torch lights, documentation tools and book registers.	1		
	Total	6		

Annexure – VIII
BILL OF QUANTITY (BOQ) - Guidance

- Quote must be consolidated lump-sum for each component of Annexure -VII, VIIA and VIIB.
- Prices must include licensing, installation, calibration, training, logistics, insurance, and incidental expenses.
- Prices must quote inclusive of GST
- No corrections/overtyping in amounts; conditional/optional pricing will be rejected.
- Individual components may be evaluated independently; award may be made to single or multiple firms at CMFRI's discretion following GFR and existing guidelines.

Annexure-IX

Time Line and Payment Terms

Project Timeline (Total Duration: 8 Weeks)

Phase 1-Inception & Planning (Week 1)

Deliverables

- Inception Report
- Detailed Execution Plan
- Finalization of spatial zonation framework
- Procurement planning for hardware, software, and in-situ equipment

Phase 2 -Execution, Digitization & Deployment (Weeks 2-4)

Deliverables

- Digitized geospatial charts covering 13 coastal districts (12 NM extent)
- Satellite data processing outputs for physical, chemical, and biological parameters
- Delivery and installation of GIS Lab hardware & infrastructure
- Delivery and installation of licensed GIS & analytical software
- Delivery of in-situ oceanographic data collection equipment
- Beta version deployment of socio-infrastructural survey mobile app

Phase 3- Integration & Closure (Weeks 5-8)

Deliverables

- Integrated spatial zonation datasets
- Parameter-wise thematic maps & analytics
- Calibration of hardware, software, and field equipment
- Final Project Completion Report
- BOQ verification and sign-off from PI, CMFRI

Payment Terms

Milestone	Payment %	Trigger Condition
Milestone 1	30%	Submission and approval of Inception Report & Detailed Execution Plan - Week 2
Milestone 2	50%	Delivery & installation of all equipment including: GIS software, GIS lab hardware, and in-situ equipment – Week 4
Milestone 3	20%	Completion of Week 8, submission of final deliverables, and BOQ-wise sign-off by PI, CMFRI

Notes (Tender-Compliant)

1. Total assignment and system integrated turnkey implementation duration shall not exceed **8 Weeks** from the date of award. However, under exceptional circumstances arising from unforeseen situations beyond the control an extension / revision of time may be considered and shall be subject to submission of a duly justified request to the Project Investigator (PI), outlining the reasons with supporting documents for the revised timelines. The request will be examined on merit, and extension may be granted only upon satisfaction that the grounds are genuine, unavoidable, and do not compromise the overall objectives and integrity of the project.
2. Payments shall be released only against certified deliverables and milestone after approvals.
3. All deliverables shall conform to the approved BOQ and technical specifications.
4. The work shall normally be awarded to a single firm whose consolidated bid value is lowest meeting all scopes of work and fulfilling all the term and conditions of the tender. Technical bid will be given first preference for evaluation. The Finance Bid will be opened only for those bidders who will be technically qualified in technical bid. The CMFRI reserves the right to reject all or any of the quotations, and decision Director, CMFRI in the matter shall be final/binding following the GFR. The quotations lower than the existing statutory minimum wages as per Central Govt. Rate or State Govt. Rate whichever is higher for the corresponding categories shall be summarily rejected.
5. The successful bidder shall have to deposit 3% of the total bid amount (quoted for full period) as performance security and within the time frame indicated by the CMFRI. Exemptions for SMEs and startups will be as per the stipulated guidelines by the Govt. of India.
6. No interest on Performance security and Earnest Money deposits shall be paid by the CMFRI to the tenderer.
7. The firm is being permitted to give tenders in consideration of the stipulations on his/her part that after submitting his/her tenders, he/she will not resile from his/her offer or modify the terms and conditions thereof. If the tenderer fails to observe and comply with the forgoing stipulation the aforesaid amount of EMD will be forfeited by the Institute. In the event of the offer made by the tenderer not being accepted, the amount of earnest money deposited by the tenderer will be refunded to him after he has applied for the same.
8. The performance Security shall be valid till all contractual obligations are fulfilled by the firm. The same shall stand forfeited in case of cancellation of the contract for any breach of contract or for any deficiency in the performance noticed during the currency of the contract.
9. The tenderer is liable to be ignored if complete information as required is not given therein or if the particulars asked for in the schedules to the tenders is not fully filled in. Individual signing the tenders or other documents connected with the contract may specify whether he/she signs it in the capacity of (i) a sole proprietor of the Firm or constituted attorney of such sole proprietor, or (ii) a partner of the firm if it be partnership in which case he must have authority to refer to arbitration dispute concerning the business of the partnership whether by virtue of the partnership agreement of power of attorney or (iii) constituted attorney of the firm if it is a company.
10. In case of Partnership firms, where no authority has been given to any partner to execute the contract/agreement concerning the business of the Partnership, the tenders and all

other related documents must be signed by every partner of the Firm. A person signing the tenders form or any other documents forming part of the contract on behalf of another shall be deemed to warranty that he has Authority to bind such other and if, on enquiry it appears that the person so signing had no authority to do so, the Institute shall without prejudice to other Civil and Criminal remedies cancel the contract and hold the signatory liable for all costs and damages. Each page of the tender and schedules to the tenderer and annexure, if any, signed by the tenderer.

11. Acceptance by the ICAR-CMFRI will be communicated by email, fax/Telegram, letter or any other form of communication, Formal letter of the acceptance and work order of the Tenders will be forwarded as soon as possible, but the earlier instruction in the email, FAX/Telegram/Letter etc. should be acted upon immediately.



Principal Investigator,
Veraval Regional Centre of CMFRI,
MatsyaBhavan, Bhidiya, Veraval

Annexure -X
Documents to be uploaded with the bids

Sl. No.	Documents	File format
1	Profile on letter head*	PDF Format
2	Company Incorporation Certificate*	PDF Format
3	PAN Copy*	PDF Format
4	GST registration*	PDF Format
5	ITR/ Turnover of last 3 year*	PDF Format
6	Geo Portal and DSS Project Experience *	PDF Format
7	GeoAI Project Experience*	PDF Format
8	Agriculture/Aquaculture Project Experience	PDF Format
9	Manpower Supply Certificate*	PDF Format
10	GIS Product Supply Order*	PDF Format
11	Field App Supply Order	PDF Format
12	OEM Certificate/MAF*	PDF Format
13	Patent/Copyright Certificate for Make in India	PDF Format
14	HR Certification for Manpower*	PDF Format
15	Startup India DPIIT Certificate	PDF Format
16	MSME Certificate*	PDF Format
17	Labor Certificate	PDF Format
18	ISO 9001 Certificate	PDF Format
19	ISO 27001 Certificate	PDF Format
20	CMMI Level 3 Certificate	PDF Format
21	Annexure – V: Technical Proposal (SoW/SW compliances, Architecture, timeline, methodology and deliverables)*	PDF Format
22	Annexure - VI	PDF Format
23	Annexure – VII: BoQ*	PDF Format/ Xls format
24	Other documents if any	PDF Format

Note: All documents marked with * are mandatory for submission. Failure to upload any of these documents may lead to direct rejection of the bid.