



केन्द्रीय समुद्री मात्स्यिकी अनुसंधान संस्थान  
केन्द्रीय समुद्री मात्स्यिकी अनुसंधान संस्थान का वेरावल क्षेत्रीय अवस्थान  
(भारतीय कृषि अनुसंधान परिषद्)

पोस्ट बॉक्स सं १७, मत्स्य भवन, भीडीया, वेरावल- ३६२ २६९, गुजरात, भारत  
**CENTRAL MARINE FISHERIES RESEARCH INSTITUTE**  
VERAVAL REGIONAL STATION OF CMFRI

(Indian Council of Agricultural Research, Govt. Of India)  
P.B.No.17, Matsya Bhavan, Bhidiya, Veraval – 362 269, Gujarat, India.



F.No.2-66/2023/VRL/

Dated :10.12.2024

**Work contract for supply, assembly and deployment of HDPE seaweed raft, Veraval Regional Station of ICAR-CMFRI, Matsya Bhavan, Bhidiya, Veraval.**

The Central Marine Fisheries Research Institute invites **E-tender through e-procurement** from specialized firms/ contractors / domain specific professionals having required infrastructure and software with adequate experience and financial capability for the work contract for **To fabricate, supply and on-site deployment of Polyurethane (PU) injected High Density Polyethylene (HDPE) floating seaweed rafts along with seaweed seed and installation of mooring, anchorage, seeding, pre-conditioning, monoline and net-tube integration and including all required manpower and vessel engagement at in and around of 6 selected locations along Indo-Pak border region of Kutch district by Veraval Regional Station of ICAR-CMFRI, Matsya Bhavan, Bhidiya, Veraval, Gujarat.**

The details of the Scope of the material supply/ work, schedule of requirement and special terms and conditions of the contract are given in the enclosed Annexure.

1. Details of the Tender are given below:-

1.	Tender Number	F.No. 2-66/2023/VRL/
2	Publishing date	<b><u>10<sup>th</sup> December 2024 at 11:00AM</u></b>
3	Bid submission end date	<b><u>30<sup>th</sup> December 2024 at 15:00 PM</u></b>
4	Date, Time and Venue of Opening of Bid	<b><u>31<sup>th</sup> December 2024 at 16.00 PM at Veraval Regional Station of ICAR, CMFRI, Bhidiya, Veraval.</u></b>
5	Description of wok	To supply, assembly and deployment of HDPE seaweed rafts along with seaweed seed for seaweed farming by Veraval Regional Station of ICAR-CMFRI, Matsya Bhavan, Bhidiya, Veraval.
6	Type of Tender	Two Bid System
7	Bid Validity	60 days from the date of Technical Bid opening
8	EMD	<b>Rs.1,23,000/-</b> in the Form of Demand Draft /BC in favour of ICAR UNIT CMFRI payable at Kochi
9	Performance security	5 % of the total contract value
10	Validity of SD/PB	90 days after expiry of the contract
11	Contract duration	Completed work need to be submitted within 30 days after awarding the work order.
12	Submission of Bids	The Bid may be uploaded from <b><u>10<sup>th</sup> December to 30<sup>th</sup> December 2024</u></b> online to the E-procurement portal before the closing date and time positively.

2. Scope of the proposed work and other requirements connected to the contract, including the formats of the bids, terms and conditions of the contract etc. are enclosed to this Tender Invitation, as per the following details: -

1.	Schedule of work and scope	Annexure I,
2.	Instruction to Bidders	Annexure II
3.	Terms and Conditions of the Contract	Annexure III
4.	Technical Bid	Annexure IV
5.	Essentiality Certificate by Bidder	Annexure V
6.	Documents to be uploaded with the bids	Annexure VI

3. The Original EMD must be reached to the Scientist-in-Charge, Veraval Regional Station of CMFRI, Matsya Bhavan, Bhidiya, Veraval before the last date of submission of tenders. Special instruction to the contractors/Bidders for the submission of the bids is enclosed with the tender Document. Exemption of EMD as per the existing Govt. of India provisions for specific firms such as MSME / Start-up India exemptions and similar to be provided with valid certificate for their claims.
4. For any clarification/Amendment etc. with reference to above will be intimated by corrigendum through our website [www.cmfri.org.in](http://www.cmfri.org.in). Therefore, bidder is advised to visit website regularly for further information. Individual items should be applied separately.



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

**SCHEDULE OF WORK AND SCOPE**

**Name of the material supply / work:**

**To fabricate, supply and on-site deployment of Polyurethane (PU) injected High Density Polyethylene (HDPE) floating seaweed rafts along with seaweed seed and installation of mooring, anchorage, seeding, pre-conditioning, monoline and net-tube integration and including all required manpower and vessel engagement at in and around of 6 selected locations along Indo-Pak border region of Kutch district by Veraval Regional Station of ICAR-CMFRI, Matsya Bhavan, Bhidiya, Veraval, Gujarat.**

Location of supply and work execution: Fabrication/supply and deployments at geospatially modelled/ demarcated selected sites in and around tentative locations **(Kori & Padala Indo-Pak border area marine creek locations, Modhva, Kathda/Nanalyza, Zarpara, Tragadi/Salaya, Jakhau) each 20 nos. (Total 120 customized HDPE seaweed rafts)** along Kutch district coastal sites off Gujarat as per the prescribed specification and scope of work.

**Material, design specification and scope of the work/supply:**

1. Core Structure: High-density polyethylene (HDPE) with PE 80/PE100 standard formulation along with UV stabilization withstanding to prolonged exposure to sunlight and marine conditions.
2. Insulation: Water-absorption resistance polyurethane (PU) foam that is closed-cell insulation properties to maintaining buoyancy. The tenderer must execute the PU foam injection method into HDPE pipes by preparing materials, mixing components in appropriate ratios, injecting the foam to ensure complete filling, insulation and to be cured.
3. Structural Assembly: Smooth surface finish to minimize biofouling and facilitate easy cleaning.
4. Dimensions and Shape: Customized HDPE square shaped net-tube/monoline integratable seaweed rafts 75mm ± 05 mm dia, 3m x 3m (10 ft x 10 ft) with necessary elbows and fittings. Each raft shall measure with a total measurement not exceeding 0.20m.
5. Buoyancy: each raft must be self-buoyant, provide sufficient buoyancy to support the intended seaweed cultivation load, with a minimum buoyancy capacity of minimum > 300-500 kg Max.
6. Mooring Configuration: Each mooring assembly should consist mooring anchor block, 12 mm PP 10 m long (Depth), with mooring indicator floats, shackles, swivels and appropriate loops for linking in each mooring line which must accommodate 4 rafts.
7. Anchor Block Specifications: Square-shaped mooring anchor block each mooring line should consists one RCC block/ dead weight, Square / rectangle shaped casting is essential.
8. Dimensions: Each block shall measure between 1.5 to 2 feet on each side with hook along with a central hole.
9. Weight: Each mooring assembly should consists an anchor block which must weigh 100 kg to ensure adequate holding power against tidal forces and currents.

10. Float position: Each grid (4 mooring assembly as one Grid) shall include 4 anchor indicator floats, designed for easy visibility and tracking of mooring positions.
11. Mounting Specifications: Floats must be securely mounted on each surface junction of the mooring line of the raft, ensuring stability and minimizing movement in varying sea conditions.
12. Material: Floats should be made from durable, buoyant material that is resistant to marine fouling and UV degradation.
13. Navigation Blinkers: Each grid shall be equipped with 1 navigation blinker, designed for visibility in low-light conditions, powered by a reliable solar or battery-operated system.
14. Flag Provision: Each grid will include 1 flag mount provision, designed for easy installation of a high-visibility flag to denote the seaweed farming area.
15. Live Seaweed seeding / stock should be integrated in 10 lines in each raft consisting each line with 3 kg biomass i.e. 30 kg biomass per raft should be provided at all locations during the deployment.
16. At each deployment site out of 20 rafts, 10 rafts must integrate with 10 mono-lines and another 10 rafts must be integrated with net tubes with pre-conditioned live seaweed seeding, with each line/ net-tube containing 3 kg of biomass, totalling 30 kg per raft, to be provided at all deployment locations.
- 17. At each site, a total of 600 kg (for net-tube 300 kg and monoline 300) live pre-conditioned seaweed seeding has to be provided and integrated. In line with the quantity a total of 3,600 kg (3.6 ton) live healthy seaweed to be provided at 6 sites selected sites.**
18. Seaweed seed must be healthy and conditioned to match the water quality of each location. pre-conditioning is mandatory before deployment.
19. The supplier is responsible for all transport and logistics and all its exigencies. The tender will assume sole responsibility for any logistical issues or cost escalations due to operational interruptions, material security until completion of deployments of all the sites. Quotes must include transportation to specified locations and be site-specific, with all supply and deployment completed within 30 days of the supply order issuance.
20. The commissioning of the rafts will be done once after successful completion of on-site deployment at each site (20 rafts with installation) including seed stocking.
21. The tender must proactively manage structural fabrication, assembly, on-site deployments, and institutional coordination.
22. The ICAR-CMFRI will not be liable for any loss or damage to materials during transportation, loading, unloading, or deployment. The tenderer will bear full responsibility until the completion of deployments.

**INSTRUCTION FOR 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. 1,23,000/-** 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.
3. The tender must be upload to online portal only and shall be accompanied with all other necessary documents. **The final quote for the seaweed raft installation must cover all costs associated with the deployment, mooring, anchorage, seaweed seeding, and stocking, including all required manpower and vessel engagement. All costs must be included in a single, comprehensive price without separate mention of individual cost estimates.** 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 either 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 allscopes 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 5% 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

TERMS AND CONDITIONS OF THE CONTRACT

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

1. The scope of work involves intellectual properties (IP). Hence, IP generated (directly or indirectly or pre-existing IP under improvement) during the project and after the contract, including inventions, designs, or other works, shall be purely owned by the ICAR-CMFRI. The IP sharing policy strictly subjected to council's guidelines. There will not be any claim in any manner will be accorded to the suppliers/executor of the work.
2. The supplier shall treat all intellectual property, including existing under implementation and/or new, as confidential information and shall not disclose it to any third parties. To maintain the confidentiality of the technical work of the task, the contractor is solely responsible for all the staff deployed.
3. In case any shortcomings or deficiencies are noticed during the currency of contract period or any other contractual dispute, the contract can be terminated giving by a fortnights' notice. The decision of Director, CMFRI in this regard shall be final/ binding. The contract may be extended for another one year on the subject to satisfactory performance of the firm on same rate, terms and condition.
4. If the contract is terminated on the grounds of glaring shortcomings or deficiencies during the currency of its tenure including extended tenure, if any, the CMFRI shall have all rights to make suitable alternative arrangements for a period of 21 days from the date of such termination or till a new tender is finalized whichever is earlier and the difference in cost, if any, will be borne by the agency/contractor.
5. That no right, much less a legal right shall vest in the contractor workers to claim/have employment or otherwise seek absorption in the CMFRI nor the contractor workers shall have any right whatsoever to claim the benefits and /or emoluments that may be permissible to paid the employees of the CMFRI. The worker will remain the employees of the Agency/contractors and will be the solely responsibility of the Agency. Therefore, there is no master and servant relationship between the employees of the service provider and the CMFRI and further that the said personnel of the service provider shall not claim for any employment or absorption in the CMFRI by virtue of their engagement for this work.
6. The service provider's personnel shall not claim any benefit/ compensation/ regularization/ absorption of services form the CMFRI under the provision of Industrial Disputes Act, 1947 or Contract Labour (Regulation & Abolition) Act, 1970 etc. Undertaking from the persons to this effect shall be required to be submitted by the service provider to CMFRI.

7. The Service provider's personnel shall not divulge or disclose to any person any details of office, operation process, technical know-how, security arrangements administrative and organizational matters as all of these are confidential in nature. The contractor shall ensure that none of the employees of the Agency/Contractor shall enter into any kind of private work at the Different Rooms of the CMFRI.
8. Notwithstanding any condition/ term above and/ or final decision reserved with the institute.

**(II). 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 has to be included along with the final price quoting in RBQ.**

1. As the installation and 6 operational sites are along sensitive marine locations along the border and other proposed selected seaweed developmental sites, the following terms of reference were provided for competitive and reliable estimates based quotes by the parties. At 6 proposed locations in the tender, on-site installations has to be executed at the selected locations in the open sea/ marine locations at the depth zone of 4-12 m. In some unforeseen events/situations the sites may be relocated to nearest possible and operationally feasible point along the selected location/marine sites.
2. For the launch of HDPE rafts, mooring and anchorage deployment and overall installation of seaweed rafts along with its seaweed seeding, stocking, and its integration to the rafts should be done by the tenderer. All the estimates and costs related the aforesaid on-site execution has to be included along with the finally furnished quote. There should not be any separate mention of any cost estimates related to the works/supply entertained at any level and will be a disqualification.
3. **At all 6 sites, on-board vessel hiring / engagement / services and its all-allied costs has to be borne by the tenderer. The cost for the crew required to operate the vessels (boat crew/ supporting workforce members etc.) has to be included in the final quote. Futher, at all 6 sites, operational staff for raft deployment, mooring, seaweed seed stocking and integration works/ and its allied activities labour/manpower costs for the tasks has to be inclusive in final quote.**
4. **Some of the operational seaweed sites (2 sites i.e., one at Kori and one at Padala marine creeks) are situated at extreme Indo-Pak border region in a high security sensitive zone of the border under the control of the border security forces (BSF). Hence all exigencies (operational delay, subsequent manpower, onboard vessel costs etc.), if any at all the installation sites to be borne by the tender. Cost for the transportation and logistics including the cost for site to site transporting the raft structures, mooring blocks, seaweed stock, and other materials to the installation site has to be included in the quote.**



5. Operational labor for raft deployment including on-board personnel involved in the raft deployment, securing the mooring system, and integration with the seaweed and all allied works / activities has to be included in the final quote. Mooring and anchorage deployment labor costs for the team involved in securing the mooring anchor blocks and ensuring proper anchorage setup on site at the selected geo-locations and depth range has to be included in the final quote. Seaweed seeding and stocking skilled/semi-skilled labor costs for seeding and stocking seaweed onto the rafts has to be included in the final quote.
6. The final quote must include all costs related to seaweed seed conditioning activities at all 6 sites, monoline and net-tube integration activities, along with the labor required for these tasks at all installation sites. Seaweed seed conditioning includes labor costs for the preparation and conditioning of seaweed seeds before they are integrated into the rafts.
7. The final quote must be an all-inclusive price, which accounts for all need-based engagement of skilled, semi-skilled or unskilled labor, materials, vessel hire, fuel, and any security or regulatory compliance costs etc. The tenderer should keep in a view of unforeseen contingencies, and must ensure that all costs are accounted for in the final quote without any additional requests for payment later.
8. This ensures that all aspects of the installation, from equipment to labor and safety and security, are thoroughly planned and covered under the final, all-inclusive quote.
9. The tendering authority will be the final binding authority on all aspects of the tender process.



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

Technical BID

Refer: Annexure-I & Annexure-I (a) 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.

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

To

The Director,  
CMFRI, Kochi – 18.

It is confirmed that I/We have fully understood the scope of work and all other requirements for the Work contract of **To fabricate, supply and on-site deployment of Polyurethane (PU) injected High Density Polyethylene (HDPE) floating seaweed rafts along with seaweed seed and installation of mooring, anchorage, seeding, pre-conditioning, monoline and net-tube integration and including all required manpower and vessel engagement at in and around of 6 selected locations along Indo-Pak border region of Kutch district by Veraval Regional Station of ICAR-CMFRI, Matsya Bhavan, Bhidiya, Veraval, Gujarat** as per the prescribed specifications and supply conditions for CMFRI Veraval Regional station.

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 CMFRI within 90 days from the date of opening of the Bid.

Date:

Signature & seal of the Tenderer

Stamp/Seal of the Firm

**Documents to be uploaded with the bids**

Sl. No.	Documents	File format
1	Profile on letter head	PDF Format
2	PAN and/ or GST registration, if applicable	PDF Format
3	ITR/ Turnover of last 3 year	PDF Format
4	Experience if any	PDF Format
5	BoQ	Xls format
6	Other registration if any	PDF Format