

NATIONAL INSTITUTE OF TECHNOLOGY KARNATAKA, SURATHKAL

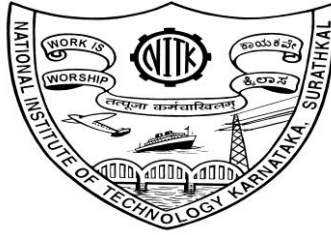
DEPARTMENT OF CENTRE FOR SYSTEM DESIGN
POST SRINIVASNAGAR, MANGALORE – 575 025 (D K)

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NOTICE INVITING QUOTATION

Notification. No: NITK/CSD/SEARCH/MU-Craft/ PU-04

dated: 04/03/2024

Name of Goods	Marine Utility Craft
Estimated Amount:	₹ 70,000 (Including GST)
Time for Supply of item after release of Purchase order	7 Days
Document Download / Sale Start Date	05-03-2024, 03:30 PM
Clarification Start Date	05-03-2024, 03:30 PM
Clarification End Date	14-03-2024, 03:30 PM
Bid Submission Start Date	05-03-2024, 03:30 PM
Last Date for submission of bids	14-03-2024 before 03.00 PM
Bid Opening Date	15-03-2024, 03.30 PM
Address for Submission of bids	Dr.Pruthviraj U Associate Professor, Dept. WR&OF, Professor In charge (Transdisciplinary R & D) Centre for System Design NITK Surathkal-575025 (M): 9972797225, pruthviu@nitk.edu.in



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NOTICE INVITING QUOTATION (NIQ)

The National Institute of Technology Karnataka, Surathkal (in short – NITK, Surathkal) is an Institute Of National Importance Under Ministry of Education Govt of India, imparting Technical Education and engaged in Research Activities. It is proposed to procure the items for the departmental academic/research activities.

Sealed Quotations as per the Price Schedule given in this NIQ are invited for the following items subject to the terms and conditions, from the reputed manufacturers or its authorised dealers so as to reach on or before scheduled date and time. The quotations in the firm's Business letter head should be address to the "Director, NITK, Surathkal". The envelope shall be superscribed with the Quotation Notification Number and the Name of the Goods for which quotation is submitted.

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**Sd/-
HOD**

Note: Institute shall not be responsible for any postal delay about non-receipt /non-delivery of the bids or due to wrong addressee.

SECTION-1
Terms and Conditions

1. The rates should be quoted for preferably FOR destination from supply within India.
2. The bidder shall indicate the excise duty exemption for the goods if applicable.
3. The rate quoted should be on unit basis. Taxes and other charges should be quoted separately, considering exemptions if any. The rate should be quoted in INR only
4. Rate quoted should be inclusive of Testing, commissioning and Installation of equipment and Training.
5. Payment: No advance payment will be made. Payment will be made only after the supply of the item in good and satisfactory condition and receipt of performance security by supplier.
6. Guarantee/Warranty period should be specified for the complete period should be specified in section 3 of this tender document.
7. Period requirement for the supply and installation of item should be specified in section 3 of this tender document.
8. In case of dispute, the matter will be subject to Mangalore Jurisdiction only.
9. **Liquidated Damages**: Timely delivery is the essence of the contract and hence if the Supplier fails to deliver Goods within the original/extended delivery period(s) specified in the contract, the Institute will be entitled to deduct/recover the Liquidated Damages for the delay, unless covered under Force Majeure conditions aforesaid, **@ 1% per week or part of the week of the delayed period** as pre-estimated damages not exceeding 5% of the contract value without any controversy/dispute of any sort whatsoever.

SECTION-2
SCHEDULE OF REQUIREMENTS, SPECIFICATIONS AND ALLIED DETAILS
[To be filled up by the Department / Centre of NITK, Surathkal]

Item(s) Name to be Procured : Marine Utility Craft

Brief Specifications of the Item(s)
(Attach Additional Sheet if necessary) : Attached

Quantity : 1 No.

Any other details / requirement : Nil

Warranty Period required : 1 Year

Delivery Schedule expected
after placement of Purchase order
(in Weeks) : 1 Week

**SECTION 3
PRICE SCHEDULE**

[To be used by the bidder for submission of the quotation]

-
1. Item Name :
 2. Specifications
(Conforming to Schedule of requirements
Enclose additional sheets if necessary) :
 3. Currency and Unit Price :
 4. Quantity :
 5. Item Cost (Sl No. 3 * Sl. No. 4) :
 6. Taxes and Other Charges :
(i) Specify the type of taxes and duties
in percentages and also in figures.
(ii) Specify Other Charges in figures.
 7. **Warranty Period** :
**(Conforming to the Schedule of
requirements)**
 8. Delivery Schedule :
(Conforming to the Schedule of requirements)
 9. Name and address of the Firm for
placing purchase order :
 10. Name and address of Indian authorized
agent (in case of imports only) :

Signature of the Bidder: _____

Name and Designation: _____

Business Address : _____

Place:

Date:

Seal of the Bidder's Firm

SECTION 4
CONTRACT FORM

[To be provided by the bidder in the business letter head]

1. (Name of the Supplier's Firm) hereby abide by the delivery schedule mentioned in this document for supply of the items if the purchase order is awarded.
2. The item will be supplied conforming to the specifications stated in this document without any defect and deviations.
3. Warranty will be given for the period mentioned in this document and service will be rendered to the satisfaction of NITK, Surathkal during this period.

Signature of the Bidder: _____

Name : _____

Business Address : _____

Place :
Date :

Seal of the Bidder's Firm

Specification: MARINE UTILITY CRAFT

The SEARCH System for Emergency Assistance, Response, and Communication Hub (SEARCH) project seeks tenders for the marine utility craft. SEARCH represents a global first, integrating autonomous marine vessels, aerial vehicles, and communication hubs to create a comprehensive disaster response and environmental monitoring system. Our portable units function as dynamic command centers, ensuring flexibility in diverse environments. SEARCH goes beyond disaster response, encompassing water and air quality monitoring, coastal erosion observation, mangrove health assessment, and crucial coastal data provision to Govt. officials. Additionally, SEARCH serves as an educational hub for various stakeholders. We require a marine utility craft (similar to the image provided)



Design Specifications

Length overall (LOA): 22 feet, Beam: 42 inches, Height (midship): 17 inches, Construction: FRP hull with wooden thwarts and fenders, Hull exterior color: Orange

Hull interior color: Grey, Fenders: Black

This **MARINE UTILITY CRAFT** is intended to be used as a semi-autonomous marine utility craft set to be seamlessly integrated into the Autonomous Control System, featuring pre-programmed and remote-controlled navigation capabilities, along with collision avoidance sensors and obstacle detection mechanisms. Furthermore, it will establish a vital connection with SEARCH's central command system to facilitate real-time data exchange. Incorporating a Water Quality Monitoring System, the craft will be equipped with sensors designed to measure essential water quality parameters, ensuring accurate and timely data transmission to SEARCH's central hub. The Communication System will be intricately linked to SEARCH's network, enabling remote operation and efficient data transmission. Among its additional features, the craft boasts a dry storage compartment for equipment and supplies, enhancing its versatility. Additionally, a dedicated lighting system facilitates night operations, ensuring optimal functionality during varied environmental conditions.

This upgraded semi-autonomous marine utility craft will be used for:

- Rescue efforts: Responding to emergencies and disasters in the coastal regions.
- Water quality monitoring (Optional): Collecting and analyzing data on water quality parameters.

This vessel will play a crucial role in our mission to provide emergency response, communication, and environmental monitoring capabilities in the coastal regions of Dakshina Kannada.

For technical clarifications contact: Dr. Pruthviraj Umesh, Associate Professor, Department of Water Resources & Ocean Engineering, Professor InCharge Trans-disciplinary (R&D), National Institute of Technology Karnataka, Surathkal, Srinivasnagar - 575 025, Mangalore, India, Mobile No: 9972797225, pruthviu@nitk.edu.in