

NATIONAL INSTITUTE OF TECHNOLOGY KARNATAKA, SURATHKAL

DEPARTMENT OF WATER RESOURCES & OCEAN ENGINEERING

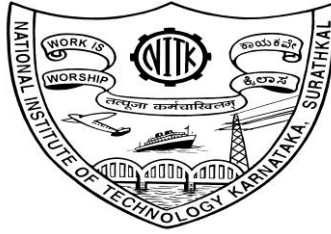
POST SRINIVASNAGAR, MANGALORE – 575 025 (D K)

Phone: (0824) 2474000.

Fax: (0824) 2474033

E- mail: info@nitk.ac.in

Website: <http://www.nitk.ac.in>



NOTICE INVITING QUOTATION

Notification. No: NITK/WROE/MOPSW/DK/2022-2023/04

Date: 13.03.2023

Name of Goods	Tilt Sensor
Estimated Amount:	Rs 1,50,000/-
Time for Supply of item after release of Purchase order	21 Days
Document Download / Sale Start Date	15.03.2023 3:00 PM
Clarification Start Date	15.03.2023 3:00 PM
Clarification End Date	22.03.2023 3:00 PM
Bid Submission Start Date	15.03.2023 3:00 PM
Last Date for submission of bids	29.03.2023 before 3.00 PM
Bid Opening Date	30.03.2023 3:00 PM (If Possible)
Address for Submission of bids	Dr. Debabrata Karmakar Assistant Professor Dept. of Water Resources & Ocean Engineering NITK Surathkal, Mangalore - 575025 Tel: +91-9632831839 Email: dkarmakar@nitk.edu.in



NATIONAL INSTITUTE OF TECHNOLOGY KARNATAKA, SURATHKAL
DEPARTMENT OF WATER RESOURCES & OCEAN ENGINEERING

POST SRINIVASNAGAR, MANGALORE – 575 025

Phone: (0824) 2474000

Fax: (0824) 2474033

E- mail: info@nitk.ac.in

Website: http://www.nitk.ac.in

Notification. No: NITK/WROE/MOPSW/DK/2022-2023/04

Date: 13.03.2023

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.

Name of Goods	Tilt Sensor
Estimated Amount:	Rs 1,50,000/-
Time for Supply of item after release of Purchase order	21 Days
Document Download / Sale Start Date	15.03.2023 3:00 PM
Clarification Start Date	15.03.2023 3:00 PM
Clarification End Date	22.03.2023 3:00 PM
Bid Submission Start Date	15.03.2023 3:00 PM
Last Date for submission of bids	29.03.2023 before 3.00 PM
Bid Opening Date	30.03.2023 3:00 PM (If Possible)

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.

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 : Tilt Sensor

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

Quantity : Four

Any other details / requirement : NIL

Warranty Period required : 3 Years

Delivery Schedule expected
after placement of Purchase order
(in Weeks) : 3 Weeks

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

Department of Water Resources and Ocean Engineering
NITK Surathkal, Post: Srinivasnagar, Mangalore - 575025

Technical Specifications for Tilt Sensor

The tilt sensor should give the side way tilts and fore-and after tilt of the towed body without affecting the normal performance of the towed body.

1.	Range (Heading, Tilt and Roll)	± 90 degree
2.	Accuracy	0.1 degree
3.	Resolution	0.1 degree
4.	Output	Analog output
5.	Operating Voltage	9 ~ 12 VDC
6.	Operating Current	20mA
7.	Cable Length	20 Metres
8.	Installation	Inhouse Installation
9.	Software	Windows based Data Acquisition Software
10.	Warranty	3 Years
Important Note		
1.	The supplier providing tilt sensor should also provide Data Acquisition System (DAQ) for the tilt sensor as advertised for DAQ.	
2.	The tilt sensor should be interfaced with the Data Acquisition System (DAQ).	
Other details/requirement		
1.	The tilt sensor should measure the degrees of freedom in roll, pitch and yaw motion (rotation in x, y and z direction)	
2.	The tilt sensor should have least count of 0.1 degree.	
3.	The tilt sensor should measure in degrees with respect to time.	
4.	Tilt sensor should have high sensitivity.	
5.	Tilt sensor should be water proof.	
6.	The tilt sensor should be able to reset and bring the initial value to zero at the point where we fix the sensor.	