

NATIONAL INSTITUTE OF TECHNOLOGY KARNATAKA, SURATHKAL

DEPARTMENT OF MECHANICAL ENGINEERING

POST SRINIVASNAGAR, MANGALORE – 575 025 (D K)
A DEEMED UNIVERSITY

Phone: (0824) 2474000.

E- mail: info@nitk.ac.in

Fax: (0824) 2474033

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



NOTICE INVITING QUOTATION

Notification. No: NITK/MECH/FIST2016/EQIOTS/1/2020-21/04

dated: 30/03/2021

Name of Goods	IOT SENSORS a) Pressure transducer with manifold and couplings b) Flow transducer with couplings c) Temperature sensor with manifolds and couplings d) Aqua sensor with manifolds and couplings
Estimated Amount: (In Rs)	2,45,000 (Including GST)
Time for Supply of item after release of Purchase order	14 (Days)
Last Date for submission of bids	07-04-2021 before 3.00 PM
Address for Submission of bids [Type Address of the Department and Contact Person Details with Phone Number]	The Head of the Department Department of Mechanical Engineering National Institute of Technology Karnataka Surathkal, Post Srinivasnagar, Dakshina Kannada Mangalore – 575 025 Contact Persons: Prof. Vijay Desai, (Ph: +919449332960) Dr. Navin Karanth P, (Ph: +919449058052)



NATIONAL INSTITUTE OF TECHNOLOGY KARNATAKA, SURATHKAL
DEPARTMENT OF MECHANICAL ENGINEERING
POST SRINIVASNAGAR, MANGALORE – 575 025
A DEEMED UNIVERSITY

Phone: (0824) 2474000
E- mail: info@nitk.ac.in

Fax: (0824) 2474033
Website: http://www.nitk.ac.in

Notification No: **NITK/MECH/FIST2016/EQIOTS/1/2020-21/04**

Date: 30/03/2021

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	IOT SENSORS a) Pressure transducer with manifold and couplings b) Flow transducer with couplings c) Temperature sensor with manifolds and couplings d) Aqua sensor with manifolds and couplings
Estimated Amount: (In Rs)	2,45,000 (Including GST)
Time for Supply of item after release of Purchase order	14 (Days)
Last Date for submission of bids	07-04-2021 before 3.00 PM
Address for Submission of bids [Type Address of the Department and Contact Person Details with Phone Number]	The Head of the Department Department of Mechanical Engineering National Institute of Technology Karnataka Surathkal, Post Srinivasnagar, Dakshina Kannada Mangalore – 575 025 Contact Persons: Prof. Vijay Desai, (Ph: +919449332960) Dr. Navin Karanth P, (Ph: +919449058052)

**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.
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	: IOT SENSORS a) Pressure transducer with manifold and couplings b) Flow transducer with couplings c) Temperature sensor with manifolds and couplings d) Aqua sensor with manifolds and couplings
Brief Specifications of the Item(s) (Attach Additional Sheet if necessary)	: Enclosed
Quantity	: 1
Any other details / requirement	:
Warranty Period required	: 01 year
Delivery Schedule expected after placement of Purchase order (in Weeks)	: 2

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 :

Seal of the Bidder's Firm

Date :

Specifications:

IOT SENSORS

a) Pressure transducer with manifold and couplings

1. Pressure transducer for monitoring pressure hydraulic oil, measuring range from 0 to 100 bar.
2. Analog output 0 to 10VDC / 4 to 20mA or automatic sensor recognition.
3. Should be compatible to be interfaced with IOT controller kit.
4. Should be compatible to be mounted onto the existing hydraulic training system.
5. The arrangement to be done in such a way that the sensor should be incorporated at any point of the circuit.
6. Connection cable to be provided for connecting to the IOT Controller kit.

b) Flow transducer with couplings

1. Flow rate transmitter for monitoring flow of hydraulic oil, measuring range from 2 to 15lpm,
2. Analog output 0 to 10VDC / 4 to 20mA or automatic sensor recognition,
3. Should be compatible to be interfaced with IOT controller kit
4. Should be compatible to be mounted onto the existing hydraulic training system.
5. The arrangement to be done in such a way that the sensor should be incorporated at any point of the circuit
6. Connection cable to be provided for connecting to the IOT Controller kit.

c) Temperature sensor with manifolds and couplings

1. Temperature transducer for monitoring temperature of hydraulic oil, measuring range from 0 to 100°Celsius.
2. Analog output 0 to 10VDC / 4 to 20mA or automatic sensor recognition.
3. Should be compatible to be interfaced with IOT controller kit.
4. Should be compatible to be mounted onto the existing hydraulic training system.
5. The arrangement to be done in such a way that the sensor should be incorporated at any point of the circuit.
6. Connection cable to be provided for IOT Controller kit.

d) Aqua sensor with manifolds and couplings

1. Water saturation transducer for monitoring water saturation in hydraulic oil,
2. Measuring ranges from 0 to 100 bar.
3. Analog output 0 to 10VDC / 4 to 20mA or automatic sensor recognition.
4. Should be compatible to be interfaced with IOT controller kit.
5. Should be compatible to be mounted onto the existing hydraulic training system.
6. The arrangement to be done in such a way that the sensor should be incorporated at any point of the circuit, connection cable to be provided for IOT Controller kit