

**NATIONAL INSTITUTE OF TECHNOLOGY KARNATAKA, SURATHKAL**

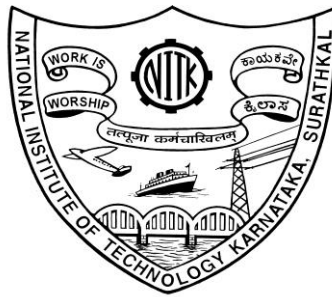
(Established under NIT Act, Govt. of India)

**DEPARTMENT OF APPLIED MECHANICS AND HYDRAULICS**

POST SRINIVASNAGAR, MANGALORE – 575 025 (D K)

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**NOTICE INVITING QUOTATION**

Quotation Notification No.: **NITK/AMD/SERB-DST/DK/2019-2020/04**

Dated **19.09.2019**

Name of Goods: **Hydrodynamic Force Sensor-Unidirectional**

Time for Supply of item after  
release of Purchase order : **4 – 5 Weeks**

Last Date for submission of Quotation : **19.10.2019 before 3:00 PM**

Address for Submission of Quotation:

**Dr. Debabrata Karmakar**  
**Assistant Professor**  
**Department of Applied Mechanics and Hydraulics**  
**NITK Surathkal 575025**  
**Mobile: +91-9449063749**  
**Email: [dkarmakar@nitk.edu.in](mailto:dkarmakar@nitk.edu.in)**



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**NOTICE INVITING QUOTATION (NIQ)**

The National Institute of Technology Karnataka, Surathkal (in short – NITK, Surathkal) is an autonomous body under Ministry of HRD Govt of India , a Deemed University , 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.

1. Name of Goods: **Hydrodynamic Force Sensor-Unidirectional**  
**(Specifications are annexed to this NIQ)**
2. Time for completion of Supply after Placing Purchase Order: **4 – 5 Weeks**
3. Last date at time for submission of Quotation : **19.10.2019 before 03:00 PM**
4. Quotation to be submitted at the following address:

**Dr. Debabrata Karmakar**  
**Assistant Professor**  
**Department of Applied Mechanics and Hydraulics**  
**NITK Surathkal 575025, Ph: +91-9449063749**  
**Email: dkarmakar@nitk.edu.in**

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

**[Signature of HOD With Seal]**

### **Terms and Conditions**

1. The rates should be quoted for preferably FOR destination from supply within India.
2. **In case, Goods are to be Imported, the Indian agent should furnish authorisation certificate by the principles abroad for submission of the bid in response to this Notice Inviting Tender.** In case of import both CIF and/ or FOB rate should be quoted. All components of expenditure to arrive at Bangalore need to be explicitly specified.
- 3 The bidder shall indicate the excise duty exemption for the goods if applicable.
- 3 The institute is eligible for customs duty exemption, excise duty exemption, issuance of form D.
4. The rate quoted should be on unit basis. Taxes and other charges should be quoted separately, considering exemptions if any.
5. Rate quoted should be inclusive of Testing, commissioning and Installation of equipment and Training.
6. 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.  
**In case of Imports, the payment will be made through LC / Sight Draft / After Installation, and performance security need to be submitted at the time of LC commitment / issue of sight draft.**
7. Guarantee and Warrantee period should be specified for the complete period conforming to the section 3 of this tender document.
8. Period requirement for the supply and installation of item should be specified conforming to the section 3 of this tender document.
9. In case of dispute, the matter will be subject to Mangalore Jurisdiction only.

## **SCHEDULE OF REQUIREMENTS, SPECIFICATIONS AND ALLIED DETAILS**

[ To be filled up by the Department / Center of NITK, Surathkal ]

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Item(s) Name to be procured : **Hydrodynamic Force Sensor-Unidirectional**

Type (Equipment/Software/Furniture/Others): **Equipment**

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

Quantity : **Three**

Any other details / requirement : **Nil**

Warranty Period required : **One Years**

Delivery Schedule expected  
after release of Purchase order  
(in Weeks) : **4 – 5 Weeks**

## PRICE SCHEDULE

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

- 
- |     |  |   |
|-----|--|---|
| 1.  | Item Name  | : |
| 2.  | Specifications<br>(Conforming to Schedule of requirements<br>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<br>(i) Specify the type of taxes and duties<br>in percentages and also in figures.<br>(ii) Specify Other Charges in figures. | : |
| 7.  | <b>Warranty Period</b><br>(Conforming to the Schedule of<br>requirements)  | : |
| 8.  | Delivery Schedule<br>(Conforming to the Schedule of requirements)  | : |
| 9.  | Name and address of the Firm for<br>placing purchase order   | : |
| 10. | Name and address of Indian authorized<br>agent ( in case of imports only)  | : |

**Signature of the Bidder :** \_\_\_\_\_

**Name and Designation :** \_\_\_\_\_

**Business Address :** \_\_\_\_\_

\_\_\_\_\_

**Place :**

**Date :**

**Seal of the Bidder's Firm**

## CONTRACT FORM

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

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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 and Designation :** \_\_\_\_\_

**Business Address :** \_\_\_\_\_  
\_\_\_\_\_

**Place :**  
**Date :**

**Seal of the Bidder's Firm**

## **Specification of Hydrodynamic Force Sensor-Unidirectional**

**Range selectable:** 0 to 0.2 bar. +/- 1.2%

**Output:** 0 to 5 volt with low impedance circuitry for noise free operation and compatibility to long cables for display at distant points.

**Principle of measurement:** Inductive sensor with 4 cms. diaphragm to sense the force on it and provide the output in force/cms.sq.r. The horizontal force caused to lateral movement of water is sensed on the diaphragm acting in both the directions giving both positive and negative force component.

**Cable length:** 35 meters with provision to extend further (cat 5 cable)