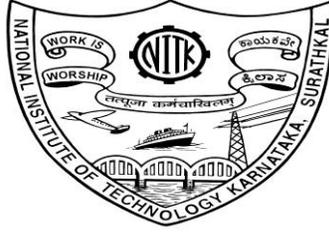


NATIONAL INSTITUTE OF TECHNOLOGY KARNATAKA, SURATHKAL

DEPARTMENT OF MECHANICAL 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/ME/OH35/23/MG/04

Dated: 22/08/2023

Name of Goods	Computerized Motorized Gyroscope
Estimated Amount:	Rs 1,98,000/-
Time for Supply of item after release of Purchase order	30 (Days)
Document Download / Sale Start Date	23/08/2023 @5PM
Clarification Start Date	23/08/2023 @5PM
Clarification End Date	07/09/2023 @5PM
Bid Submission Start Date	23/08/2023 @5PM
Last Date for submission of bids	15/09/2023 before 3.00 PM
Bid Opening Date	18/09/2023 before 3.00 PM
Address for Submission of bids	Dr. Poornesh Kumar Koorata, Assistant Professor, Department of Mechanical Engineering, NITK, Srinivasnagar, Mangaluru - 575025 Contact No. : +91-824-247-3650 Email ID : kpkoorata@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.

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 : Computerized Motorized Gyroscope

Brief Specifications of the Item(s)
(Attach Additional Sheet if necessary) : As Per Annexure 'A'

Quantity : 01

Any other details / requirement :

Warranty Period required : 03 Years

Delivery Schedule expected
after placement of Purchase order
(in Weeks) : 04 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

<u>Specifications of Computerised Gyroscope Apparatus</u>	
Base Frame	Strong M.S. Round Base plate (Plate -12 - 15 mm thickness)
Drive unit	PMDC motor min (1/4 H.P @ 5000 RPM)
Regulator	Drive unit for Speed control with fine adjustment
Transmission	Direct Flexible Coupling
Disc rotor	Disc rotor – 30 cm diameter, 10 or 12mm thick, Chromium plated
Weights	Suitable weights in rage of 10N, 20N, 30N, 40N and 50 N Calibrated weights
Speed Measurement	Digital speed Indicator with Proximity Sensor.
Angular displacement	<ul style="list-style-type: none"> • Angular displacement sensor with the display unit • Suitable timer will be provided to measure the angle of precision.
DAQ	<ul style="list-style-type: none"> • Inbuilt DAQ with display units for various parameters (Speed. 100 samples/sec) with USB Communication
Software:	<ul style="list-style-type: none"> • Suitable Lab View based software with USB interface & provision for controlling speed through software panel. • Data tabulation: Observation & Result tabulation • Print and Export options for further analysis. • (Pc / Laptop of suitable configuration must be provided by the vendor)
Experimentation	<ul style="list-style-type: none"> • Determination of Theoretical & Practical gyroscopic couple • Verification of Theoretical & Practical gyroscopic couple • Mass v/s gyroscopic Couple (Concerning precession and rotor spin velocities)
Computer Required	Intel i3/8 GB DDR5/500 GB SSD/15.6" (39.62cm) screen with USB keyboard and mouse.
Space Required	Table Experiment 4'x3' with 230V AC Supply, 5Amps
Warranty and conditions	Warranty 3 years with a prompt response from the supplier within 72 hours in case of malfunctioning.