

# NATIONAL INSTITUTE OF TECHNOLOGY KARNATAKA, SURATHKAL

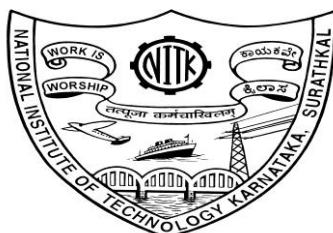
DEPARTMENT OF CHEMICAL ENGINEERING  
POST SRINIVASNAGAR, MANGALORE – 575 025 (D K)

Phone: (0824) 2474000.

Fax: (0824) 2474033

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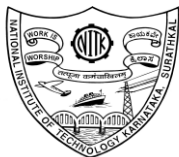


## NOTICE INVITING QUOTATION

Notification. No: NITK/CH/Froth Floatation Cell/22-23/1620

dated:16-02-2023

<b>Name of Goods</b>	<b>Froth Floatation Cell</b>
<b>Estimated Amount:</b>	Rs 1,35,000/- (Including GST)
<b>Time for Supply of item after release of Purchase order</b>	<b>30 (Days)</b>
<b>Document Download / Sale Start Date</b>	16-02-2023 at 4.00 PM
<b>Clarification Start Date</b>	Not Applicable
<b>Clarification End Date</b>	Not Applicable
<b>Bid Submission Start Date</b>	16-02-2023 at 4.00 PM
<b>Last Date for submission of bids</b>	<b>27-02-2023 before 3.00 PM</b>
<b>Bid Opening Date</b>	28-02-2023 at 4.00 PM
<b>Address for Submission of bids</b>	<b>Dr. Hari Prasad Dasari</b> Associate Professor Department of Chemical Engineering NITK Surathkal, POST SRINIVASNAGAR, MANGALORE – 575 025 (D K), Email: energyhari@nitk.edu.in / Ph: +91-9177304950



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**Notification No NITK/CH/Froth Floatation Cell/22-23/1620**

dated: 16-02-2023

**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.

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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]

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Item(s) Name to be Procured : Froth Floatation Cell

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

Quantity : 1

Any other details / requirement : Not Applicable

Warranty Period required : 1 year

Delivery Schedule expected  
after placement of Purchase order  
(in Weeks) : 4 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]

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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** : \_\_\_\_\_

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

\_\_\_\_\_

**Place :**

**Date :**

**Seal of the Bidder's Firm**

## FROTH FLOATATION CELL

### DETAILED TECHNICAL SPECIFICATION

- Flotation Chamber of Compatible capacity should be made of Stainless Steel 304 Grade and fitted with Agitator having Stainless Steel Impeller 304 grade with Stainless Steel shaft 304 grade coupled to FHP motor.
- Diffuser holding the impeller and Froth Collecting Tank of Capacity 15 Ltrs, should be made of Stainless Steel 304 Grade.
- Air Supply should be done by Air pump of Compatible capacity.
- Control panel should be comprised of Standard make on off switch, Mains Indicator etc.
- The whole set-up should be well designed and arranged on a rigid structure painted with industrial PU Paint.
- Operating/instruction manual consisting of experimental procedure, block diagram etc. and sample calculations should to be provided along with the tender documents.
- Equipments has to be demonstrated at college site, results should be repeatable within  $\pm 5\%$  of the sample calculations provided.
- Warranty one year.

### Equipment should be capable of performing following experiment :

- To study the performance of Froth Flotation Cell.
- To find % recovery of mineral in froth from a standard mixture.

**Sd/-  
Buyer**

**Sd/-  
HOD**