



**NATIONAL INSTITUTE OF TECHNOLOGY  
ROURKELA – 769 008, ORISSA**

**Advertised/Open Tender Enquiry**

**Enquiry No:** NITR/PW/2017/L/1593

**Date:** 11-10-2017

**Important Dates**

Event	Date	Time
Pre-bid Conference	16.10.17	3.30 PM
Last Date of submission of quotation	31.10.17	3.30 PM
Quotation Opening date	01.11.17	3.40 PM

To

Dear Sir,

We intend to purchase the commodities specified below and invite quotations in accordance with the terms and conditions detailed in the bid document. If you are interested, kindly send your offer with prices and complete terms within the time mentioned above.

Please send your quotation to:

**HEAD**

DEPARTMENT OF LIFE SCIENCE  
Attn.: Dr. Bibekanand Mallick  
NATIONAL INSTITUTE OF TECHNOLOGY  
ROURKELA – 769 008, ORISSA

Yours sincerely,

**Dr. Md. Saleem**  
Principle Investigator  
Department of Life Science  
NIT Rourkela

Encl :

- 1) Schedule of requirement, specifications, dates etc.
- 2) Bid document with terms and conditions.

1. **Schedule of requirements**

Sl. No.	Description of Goods/Service	Quantity
1	<b>Double Barrier Langmuir-Blodgett Trough with System Control Unit</b>	1

2. **Specifications and allied Technical Details**

- Should have a Double Barrier System
- Trough & Barrier Fully made of High Purity PTFE
- Equipped with symmetric Compression
- Inner Working Area in range of 300-310 mm (L) X 100-105 mm (W) X 3-6 mm
- Outer Trough Dimension: 360-370 mm (L) X 160-170 mm (W) X 25-35 mm (H)
- Deposition Well Dimension: 100-110 mm (L) X 35-45(W) X 10-20 mm (H)
- Trough Volume: 140 to 160 ml
- An aspirator pump for impurity removal
- Transparent environmental chamber with chamber illumination and exhaust provision.
- Environmental chamber must have N<sub>2</sub> and other inert gas purging ports.
- Should be fully automated and PC controlled.
- Surface pressure range up to 80 mN/m
- Accuracy for measurement:  $\pm 0.1$  mN/m
- Sensor resolution in range of 0.01 mg.
- Sensitivity for surface pressure should be better than 0.005 mN/m
- There should be facility of dipping, lifting and compression.
- Speed for dipping, lifting and compression 0.5 to 300 mm/min
- Dipping, lifting and compression resolution 0.01 mm/min
- Power Input should be universal.

3. It is a single bid; please give all technical specifications and price bid in one envelope

4. The bid envelope should be super-scribed with

Bid for **Double Barrier Langmuir-Blodgett Trough with System Control Unit** vide Enquiry No. \_\_\_\_\_ dated \_\_\_\_\_

5. Quotations should be valid for a period of 90 days from the closing date of the bid

6. **Warranty** of 1 years must be provided.

7. **GST:** May be charged according to applicable rates.
8. **Bid Security: NIL** of gross bid value.
9. **Performance Security: NIL** of gross order value.
10. Please send your quotations by Registered/Speed Post or Courier Service to:

**HEAD, DEPARTMENT OF LIFE SCIENCE**  
Attn.: Dr. Bibekanand Mallick  
National Institute of Technology, Rourkela – 769 008

11. For technical details, you may contact

Prof. /Mr. Mohammed Saleem  
Department of Life Science  
National Institute of Technology, Rourkela – 769 008  
Phone: 0661 – 2462781  
E-mail: saleemm@nitrkl.ac.in





**NATIONAL INSTITUTE OF TECHNOLOGY  
ROURKELA – 769 008, ORISSA**

**BID DOCUMENT**

**1. Instructions to the bidders**

1.1 Sealed bids are invited on behalf of the Head, Department of Life Sciences, National Institute of Technology (NIT), Rourkela – 769 008, Odisha, from the intending bidders for supply of the Double Barrier Langmuir Blodgett Trough with System Control Unit for the Institute as detailed in the enquiry letter.

**1.2. Eligibility of Bidders:**

**(a) Bidder / OEM Presence in India:**

The bidder must be a leading player in the field of manufacturing and support for the inquired instrumentation. Minimum 5 years presence in Eastern India with local sales and support office.

**(b) Satisfactory delivery of similar goods/items of similar value**

The OEM/Bidder must have supplied 2-3 similar equipment for which reference /order copies need to be provided of similar project size or bigger of which at least one should be currently under maintenance in Eastern India. Certificate/ document in this regard have to be enclosed with the quotation.

**(c)** The OEM should have their office sales/service support in Eastern or any other place and should be able to provide the service in 24 hours. Evidence to this effect to be enclosed.

**(d)** The product series quoted/ or with similar specifications should have been supplied to several leading institutes of national importance such as CSIR-National Laboratories, IITs, NITs, various DST/DBT-Institutes and Central Universities in the last five years.

**1.3.** Firms are advised to study all technical and commercial aspects, instructions, forms, terms and specifications carefully in the tender document. Failure to furnish all information required in the tender document in every respect will be at the firm's risk and may result in the rejection of the bid. The bidder should enclose a signature copy of bid document (each page to be signed).

**1.4.** The bidders should quote their offer/rates in clear terms without ambiguity.

**1.5.** All damaged or unapproved goods shall be returned at the firm's risk and the cost of incidental expenditure there upon shall be recovered from the concerned party.

**1.6.** Printed conditions of the firm sent along with the quotation, if any, shall not be binding on

us.

1.7. The rates should be quoted both in figures and words and legibly written without any overwriting. In case of any correction, the bidder with full signature must attest the same. However, no over-writing is permissible. Manufacture's price-list, where applicable, should be submitted along with the bid.

Any discrepancy between quoted prices in figures and that in words, if noted, will be sorted out in the following manner: -

- a. If there is a discrepancy between the unit price and the total price, the unit price shall prevail and the total price will be corrected accordingly.
- b. If there is an error in a total corresponding to the addition or subtraction of subtotals, the subtotals shall prevail and the total shall be corrected.
- c. If there is a discrepancy between words and figures, the amount in words shall prevail, unless the amount expressed in words is related to an arithmetic error, in which case the amount in figures shall prevail subject to above.

1.8. The bidder may modify the bid before the last date & time fixed for receipt of the bids by sending an amendment to the bid. No bid shall be modified after the deadline for receipt of the bids.

1.9. Bids received after the deadline in tender enquiry, shall not be taken in to consideration.

**1.10. Submission of Quotation:** All quotations must be forwarded in sealed cover by mail only (Ordinary post/Regd. Post/Speed Post/Courier) addressed to Head, Department of Life Science, National Institute of Technology, Rourkeal, Odisha, 769008., so as to reach within the specified period. In justifiable cases, quotation by fax can be accepted. The reference to the enquiry no and the last date for submission must be clearly be superscribed on the sealed envelope.

**1.11. Opening of Quotation:** Every quotation will be opened at the office of concerned department in the presence of head of the department, members of the purchase committee and principle investigator at the time and date of the tender form.

**1.12. Payment:** Payment will be processed as per the institute norms normally within 30 days from the date of receipt of the bill or of the stores in good order and condition, whichever is later.