



**SPONSORED RESEARCH, INDUSTRIAL CONSULTANCY AND  
CONSULTANCY EDUCATION CELL  
NATIONAL INSTITUTE OF TECHNOLOGY, ROURKELA**

**Advertised / Open Tender Enquiry**

**Department: Chemistry**

**Tender Notice No: NITR/PW/CY/2018/22**

**Date: 19/04/2018**

Through

**Important Dates**

**CPP Portal  
(E-procurement)**

<b>Event</b>	<b>Date</b>	<b>Time</b>
Pre-bid Conference	<b>NA</b>	<b>NA</b>
Last Date of submission of Bid	<b>16/05/2018</b>	<b>11:00 AM</b>
Date of Opening of Technical and Financial Bid	<b>17/05/2018</b>	<b>11:00 AM</b>

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.

For any clarification:

**Attention: - Prof. N. Panda  
Department of Chemistry  
NATIONAL INSTITUTE OF TECHNOLOGY  
ROURKELA – 769 008, ODISHA  
Phone: - 0661- 2462653  
Mobile no- +91 8895092946  
Email: [npanda@nitrkl.ac.in](mailto:npanda@nitrkl.ac.in)**

Yours sincerely,

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Name: Prof. N. Panda  
Professor-In Charge: Organic Synthesis  
Laboratory

**Encl:**

- 1. Schedule of requirement, specifications, dates etc.**
- 2. Bid document containing detail terms and conditions.**

## 1. Schedule of requirements

Sl.No	Description of Goods/Service	Quantity
1.	<p><b>A. Rotary evaporator with motorized auto Jack-up function</b></p> <ul style="list-style-type: none"><li>• Driving Unit: Encased induction motor with electronic speed control</li><li>• Condenser: Vertical Double spiral glass coil(condensate surface 1400 <b>cm<sup>2</sup></b> or more)</li><li>• Drive unit: Motorized drive unit with height adjustment provision for evaporating flask</li><li>• Rotation Speed: 20-280 RPM or better with microprocessor control</li><li>• Designed vapor tube with sleeve to add more strength and easily removes from drive</li><li>• Display: digital display of rotation speed, heating bath and vacuum</li><li>• Vacuum controller : Digital display (compatible to existing diaphragm with ultimate vacuum &lt;10mbar) with Measurement range: 0-760 mmHg/Torr 0-1065hPa/mbar</li><li>• Vacuum seal : PTFE seal (seal should also be covered in standard warranty period of three years)</li><li>• Liquid Contact parts : Glass &amp; PTFE</li><li>• Voltage frequency 220-240V/50 Hz</li><li>• Protection Class – IP 20</li><li>• Certificates: Instrument should have ISO 9001 : 2008, CE certification</li></ul> <p><b>B. Digital Water Bath (optional)</b></p> <ul style="list-style-type: none"><li>• Universal Heating bath temperature ambient to 200°C</li><li>• Secondary over temperature cut-off at 250 °C</li><li>• Bath Capacity: 4-5 L</li><li>• Temperature Controller: Microprocessor based PID Control</li><li>• Safety features: Overheating protector, auto cut off</li><li>• Certificates: Instrument should have ISO 9001 : 2008, CE certification</li></ul> <p><b>Note: The supplied rotary evaporator should be compatible to our existing two stage oil free diaphragm pump (NVC 1000, eyela made) of ultimate vacuum of &lt; 10 mbar or better.</b></p>	01

## 2. Specifications and allied Technical Details: As per Annexure-I

### 3. Format of Quotation (tick appropriate box)

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

OR

It is a two-part bid with separate techno-commercial and price bids.

4. The Bid should be submitted through e-procurement: <https://eprocure.gov.in/eprocure/app>

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

**6. Some important dates:**

i.	<b>Pre- bid Conference:</b>	Date: <b>NA</b>	Date: <b>NA</b>
ii.	Last date for receipt of quotation:	Date: <b>16/05/2018</b>	Time: <b>11:00 AM</b>
iii.	Opening of technical and financial Bid:	Date: <b>17/05/2018</b>	Time: <b>11:00 AM</b>

**7. Warranty** of **03** years must be provided.

**8. Excise Duty:** The Institute is exempt from Excise Duty. Please state applicable excise duty as a separate item.

**9. GST:** GST should be charge according to applicable rates (if applicable).

**10. Bid Security: Not Applicable**

**11. Performance Security: Not Applicable**

**12.** Please go through the enclosed "bid document" carefully for other bidding instruction

**13.** Please send your quotations through <https://eprocure.gov.in/eprocure/app>

**14.** For Technical Details you may contact to

<p><b>Prof. N Panda</b> <b>Department of Chemistry</b> <b>National Institute of Technology, Rourkela – 769 008</b> <b>Phone:- 0661- 2462653, Mobile no- +91 8895092946</b> <b>Email: <a href="mailto:npanda@nitrkl.ac.in">npanda@nitrkl.ac.in</a></b></p>
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**NB: Please furnish your Dealership Certificate (must) and Proprietary Nature Certificate (If applicable).**



**BID DOCUMENT**

**1. Instructions to the bidders:**

- 1.1 Bids are invited on behalf of the Director, National Institute of Technology (NIT), Rourkela – 769008, Orissa, from the intending bidders for supply of the goods/stores/equipments for the Institute as detailed in the enquiry letter.
- 1.2 The bidders should quote their offer/rates in **BOQ** in clear terms without ambiguity.
- 1.3 In case of any discrepancy between the rates in figures and that in words, the rate in words will be accepted as correct.
- 1.4 The last date for receipt of the bid is marked in the enquiry. In case the above date is declared a holiday for NIT, Rourkela, and the bids will be received up to the appointed time on the next working day.
- 1.5 The bids should be uploaded in <https://eprocure.gov.in/eprocure/app> Please follow the guidelines of the site.
- 1.6 If a prospective bidder requires any clarification in regard to the bidding documents, he may make a request the concerned officer or faculty member at least 14 days before the deadline for receipt of bids.
- 1.7 Bids received after the deadline of receipt indicated in para 1.4 above, shall not be taken in to consideration.
- 1.8 Each bidder shall submit only one bid. A bidder, who submits more than one bid, shall be disqualified and considered non-responsive.
- 1.9 The bids may be submitted in two parts, viz., technical bid and financial bid.
- 1.10 The bidder has to sign in full at all pages of the scanned part of the bidding document. No over-writing in those pages is acceptable.
- 1.11 The bidder should quote for the rotary evaporator which be compatible to our existing two stage oil free diaphragm pump (NVC 1000, eyela made) of ultimate vacuum of < 10 mbar or better. The selection will be made on the based on configuration as well as price.

**2. Terms and Conditions of the bid:**

- 2.1 The rates quoted should preferably be net, inclusive of packing, forwarding, freight, Insurance and all other incidental charges excluding taxes. In case these charges are quoted extra in addition to the quoted rates, the amount thereof or Ad Valorem rate must be specified. Packing, forwarding, freight etc., when quotes separately are reimbursable at actual. If external agencies are employed, their receipts must be enclosed with the invoice.

- 2.2 Duties and Taxes are to be quoted separately. Ad Valorem rates thereof should be clearly indicated with reference to the relevant Acts and Rules.

**It may be noted that the Institute is exempt from paying Excise Duty vide Government Notification No. 10/97 dated 01.03.1997 [Registration No.: TU/V/RG-CD (227)/2011, dated 10.10.2011]. GST may be charged at applicable rates.**

- 2.3 The goods are required to be delivered at the indenting Department of NIT, Rourkela, and must be installed within **60 days** from the date of placement of the supply of order under the risk and arrangement of the bidder and offers with delivery beyond the above period shall be treated as unresponsive. In case the delivery time is higher, the same must be mentioned clearly in the quotation.
- 2.4 The bid should remain valid for a period of **90 days** from the date of opening. In case your offer has a different validity period that should be clearly mentioned in the quotation.
- 2.5 Conditional discount, if any, offered by the bidder shall not be considered at the time of evaluation.
- 2.6 The goods offered should strictly conform to the specification and technical details mentioned in Annexure – I.
- 2.7 The Institute may like to conduct pre-dispatch inspection of goods, where applicable.
- 2.8 Period of guarantee/warranty, where applicable, should be specified in the bid.
- 2.9 If the successful bidder, on receipt of the supply order, fails to execute the order within the stipulated period, in full or part, it will be open to the Director, NIT, Rourkela to recover liquidated damage from the firm at the rate of 1 percent of the value of undelivered goods per month or part thereof, subject to a maximum of 5 percent of the value of undelivered goods. Alternatively, it will also be opened to the Director, to arrange procurement of the required goods from any other source at the risk and expenses of the bidder.
- 2.10 The successful bidder may be required to execute a contract, where applicable.
- 2.11 The bidder has to furnish up to date GST and Income Tax Clearance Certificate along with the bid.
- 2.12 Payment (100 percent) will be made by Account Payee Cheque /Bank Draft, within 30 days from the date of receipt of the goods in good condition or receipt of the bill, commissioning of the equipment, and after successful installation and demonstration where ever applicable, whichever is later/latest.
- 2.13 In the event of any dispute arising out of the bid or from the resultant contract, the decision of the Director, NIT Rourkela shall be final.
- 2.14 The bid document/resultant contract will be interpreted under Indian Laws.

**Technical Specification for Rotary evaporator with digital water bath.**

**A. Rotary evaporator with motorized auto Jack-up function**

- Driving Unit: Encased induction motor with electronic speed control
- Condenser : Vertical Double spiral glass coil(condensate surface 1400 **cm<sup>2</sup>** or more)
- Drive unit : Motorized drive unit with height adjustment provision for evaporating flask
- Rotation Speed: 20-280 RPM or better with microprocessor control
- Designed vapor tube with sleeve to add more strength and easily removes from drive
- Display: digital display of rotation speed, heating bath and vacuum
- Vacuum controller : Digital display (compatible to existing diaphragm with ultimate vacuum <10mbar) with Measurement range : 0-760 mmHg/Torr 0-1065hPa/mbar
- Vacuum seal: PTFE seal (seal should also be covered in standard warranty period of three years)
- Liquid Contact parts: Glass & PTFE
- Voltage frequency 220-240V/50 Hz
- Protection Class – IP 20
- Certificates: Instrument should have ISO 9001: 2008, CE certification

**B. Digital Water Bath**

- Universal Heating bath temperature ambient to 200°C
- Secondary over temperature cut-off at 250 °C
- Bath Capacity: 4-5 L
- Temperature Controller: Microprocessor based PID Control
- Safety features: Overheating protector, auto cut off
- Certificates: Instrument should have ISO 9001 : 2008, CE certification

***Note: The supplied rotary evaporator should be compatible to our existing two stage oil free diaphragm pump (NVC 1000, eyela made) of ultimate vacuum of < 10 mbar or better.***

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