



**SPONSORED RESEARCH, INDUSTRIAL CONSULTANCY AND
CONSULTANCY EDUCATION CELL
NATIONAL INSTITUTE OF TECHNOLOGY, ROURKELA-769008**

Limited Tender Enquiry

Department: Chemistry

Tender Notice No: NITR/PW-SR/CY/2019/140

Date: 22/08/2019

To

Important Dates

1. INKARP INSTRUMENTS PVT LTD
1-2-45/1 Street No. 2, Kakatiya Nagar Colony
Habsiguda, Hyderabad-500007
Login Id:- sales@inkarp.co.in

2. Omega Instruments (I) PVT Ltd
4-Ripon Street, Kolkata-700 016
Login Id:- tuhin1@sify.com

3. Sayan International
BF 36, Sector I
Salt Lake City, Kolkata 700064
Login Id: - sayanintinst@gmail.com

4. BUCHI India Private Limited
201, Magnum opus, Shantinagar Industrial Area
Vakola, Sanatacruz east Mumbai- 400055 India
Mobile :+91 8971290321
Login Id :- india@buchi.com

5. M/S BIO-TECHNIKA
PLOT NO-848/FLAT NO-103
SUDARSHAN PALACE-II MADHUSUDAN NAGAR
UNIT-IV, DIST. KHURDA-751001
Login Id: - biotechnika.odisha@gmail.com

6. IKA® India Private Limited
814/475, Survey No.129/1 Mysuru Road,
Kengeri, Bengaluru 560060,
Karnataka, India
Login Id: - info@ika.in

Event	Date	Time
Pre-bid Conference	NA	NA
Last Date of submission of bid	12/09/2019	11:00 AM
Date of opening of techno-commercial bid	13/09/2019	11:00 AM

**Through
CPP Portal
(E-procurement)**

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 8249872151
Email: npanda@nitrkl.ac.in

Yours sincerely,

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

NB: Depending on the budget, the purchaser may go for 2 units of rotary evaporator and its accessories.

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><u>Vertical Rotary Evaporator with its accessories:-</u></p> <p>A. Rotary evaporator with motorized auto Jack-up function</p> <ul style="list-style-type: none"> i. Driving Unit: Encased induction motor with electronic speed control ii. Condense: Vertical Double spiral glass coil with condensate area 1400 cm² or more iii. Drive unit: Motorized drive unit with height adjustment provision for evaporating flask iv. Rotation Speed: 20-280 RPM or better with microprocessor control v. Display: digital display of rotation speed, heating bath and vacuum vi. In build Vacuum controller : Digital display vii. Vacuum seal : PTFE seal (seal should also be covered in standard warranty period of three year viii. Liquid Contact parts : Glass & PTFE ix. Voltage frequency 220-240V/50 Hz x. Protection Class – IP 20 xi. Certificates: Instrument should have ISO 9001 : 2008, CE certification <p>B. Digital Water Bath</p> <ul style="list-style-type: none"> i. Universal Heating bath temperature ambient to 200°C ii. Bath Capacity: 4-5 L iii. Temperature Controller: Microprocessor based PID Control iv. Safety features: Overheating protector, auto cut off v. Certificates: Instrument should have ISO 9001 : 2008, CE certification <p>C. Diaphragm Vacuum Pump:</p> <ul style="list-style-type: none"> i. Displacement method: Diaphragm ii. Suction Volume : 40L/min. ~ 2.4m³/hr. iii. Ultimate Vacuum : 1.0kPa ~ < 10mbar with Measurement range: 0-760 mmHg/Torr 0-1065hPa/mbar iv. Rotation speed : 1370rpm v. Safety function : Thermal Protector vi. Motor Output : 100W vii. Power source : 220VAC, 50Hz., 1Ø <p>D. LOW TEMPERATURE CIRCULATOR</p> <ul style="list-style-type: none"> i. Compact table top water circulator taking up not more than 18" x 11" x 20" of space ii. Cooling range -10- Ambient iii. Circulation method: Closed loop iv. Temp. control: Compressor ON-OFF control v. Display: Digital vi. Bath capacity: 4 – 7 L vii. Refrigeration unit: Air cooled, Output 350w viii. Circulating pump: Flow 14L/min or better ix. Bath material: stainless steel 	01 Unit

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

3. Format of Quotation (tick appropriate box)

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 date of opening of techno-commercial bid.

6. Some important dates:

i.	Pre- bid Conference:	Date: NA	Date: NA
ii.	Last date for submission of bid:	Date: 12/09/2019	Time: 11:00 AM
iii.	Date of opening of techno-commercial bid	Date: 13/09/2019	Time: 11:00 AM

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

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

9. Terms and Conditions/Evaluation Criteria:-

- i. The vendor should be the original manufacturer, authorized distributor or dealer.
- ii. The vendor should have proven ability of supply of listed equipment to reputed organizations including government departments, copies of purchase order should be included as a proof.
- iii. The firm must submit an Undertaking on its letter head that they have not been blacklisted by any State Government/Central Govt./PSU Department in India.
- iv. Original printed brochures and original specification sheets (from equipment manuals) directly obtained from manufacturer must be enclosed along with supporting data.
- v. The brochures must indicate all the parts with technical details mentioned in the technical bids.
- vi. List of the users must be enclosed and a separate list of users may also be provided.
- vii. Minimum **Three Years** Warranty.
- viii. Hard copy of printed original catalogues must be submitted along with the quotation.

10. Bid Security and Tender Cost: Bid Security in shape of DD (Demand Draft) for **INR 10,000/- (Rupees Ten Thousand Only)** and Tender Cost (Non- refundable) in the form of DD for **INR 500/- (Rupees Five Hundred Only)** in favor of **Director, NIT Rourkela** Payable at Rourkela from any Scheduled Commercial Bank except Co-operative and Gramin bank. Demand Draft for the Bid-Security should remain valid for a period of **45 days** beyond the bid validity period from the date of opening of bids. Bid security of unsuccessful bidders should be return to them at the earliest and latest on or before the **30th days** after the award of the contract. **EMD (Earnest Money deposit) and Tender Cost** should reach physically through speed post/ register post/courier, containing in an envelope & superscripted with subject, tender reference number addressing to **Registrar, NIT Rourkela- 769008, Odisha;** Attention: HOD(CY) **on or before 13/09/2019 at 11:00 AM.**

- 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>Prof. N Panda Department of Chemistry National Institute of Technology, Rourkela – 769 008 Phone:- 0661- 2462653, Mobile no- +91 8249872151 Email: npanda@nitrkl.ac.in</p>

NB: Please furnish your Dealership Certificate (must) and Proprietary Nature Certificate (If applicable).



NATIONAL INSTITUTE OF TECHNOLOGY ROURKELA – 769008, ODISHA

BID DOCUMENT

1. Instructions to the bidders:

- 1.1 Bids are invited on behalf of the Director, National Institute of Technology (NIT), Rourkela – 769008, Odisha, 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.
- 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., techno-commercial 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 Depending on the budget, the purchaser may go for 2 units of rotary evaporator and its accessories. It will be finalized at the time of placement of purchase order.
- 1.12 Prices should be for the NIT Rourkela includes all taxes, delivery and installation.
- 1.13 Guarantee or warranty condition must be clearly specified.
- 1.14 Validity of quotation must be at least 90 days from the date of submission.
- 1.15 Mode of payment must be specified.
- 1.16 The Department reserves the right to accept or reject any or all the quotations without assigning reasons thereof.

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 availing custom duty exemption in terms of notification no 51/96- Customs dt. 23.07.1996, Notification no. - 47/2017- Integrated Tax (Rate) dt. 14.11.2017 and Notification No- 45/2017- Central tax (Rate) dt. 14.11.2017[vid Registration No.: TU/V/RG-CDE (227)/2016, dated: 13.11.2018]

- 2.3 The goods are required to be delivered at the indenting Department of NIT, Rourkela, and must be reached within **30 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 vertical Rotary evaporator and its accessories:-

A. Rotary evaporator with motorized auto Jack-up function

- i. Driving Unit: Encased induction motor with electronic speed control
- ii. Condense: Vertical Double spiral glass coil with condensate area 1400 cm² or more
- iii. Drive unit: Motorized drive unit with height adjustment provision for evaporating flask
- iv. Rotation Speed: 20-280 RPM or better with microprocessor control
- v. Display: digital display of rotation speed, heating bath and vacuum
- vi. In build Vacuum controller : Digital display
- vii. Vacuum seal : PTFE seal (seal should also be covered in standard warranty period of three years)
- viii. Liquid Contact parts : Glass & PTFE
- ix. Voltage frequency 220-240V/50 Hz
- x. Protection Class – IP 20
- xi. Certificates: Instrument should have ISO 9001 : 2008, CE certification

B. Digital Water Bath

- i. Universal Heating bath temperature ambient to 200°C
- ii. Bath Capacity: 4-5 L
- iii. Temperature Controller: Microprocessor based PID Control
- iv. Safety features: Overheating protector, auto cut off
- v. Certificates: Instrument should have ISO 9001 : 2008, CE certification

C. Diaphragm Vacuum Pump:

- i. Displacement method: Diaphragm
- ii. Suction Volume : 40L/min. ~ 2.4m³/hr.
- iii. Ultimate Vacuum : 1.0kPa ~ < 10mbar with Measurement range: 0-760 mmHg/Torr
0-1065hPa/mbar
- iv. Rotation speed : 1370rpm
- v. Safety function : Thermal Protector
- vi. Motor Output : 100W
- vii. Power source : 220VAC, 50Hz., 1Ø

D. LOW TEMPERATURE CIRCULATOR

- i. Compact table top water circulator taking up not more than 18" x 11" x 20" of space
- ii. Cooling range -10- Ambient
- iii. Circulation method: Closed loop
- iv. Temp. control: Compressor ON-OFF control
- v. Display: Digital
- vi. Bath capacity: 4 – 7 L
- vii. Refrigeration unit: Air cooled, Output 350w
- viii. Circulating pump: Flow 14L/min or better
- ix. Bath material: stainless steel

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