



**SPONSORED RESEARCH, INDUSTRIAL CONSULTANCY &  
CONTINUING EDUCATION CELL  
NATIONAL INSTITUTE OF TECHNOLOGY  
ROURKELA – 769 008, ORISSA**

**Advertised/Tender Enquiry**

**Department: Ceramic Engineering**

**Tender Notification No: NITR/PW/CR/2018/34**

**Date: 25/06/2018**

**Important Dates**

To,  
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>23/07/2018</b>	<b>11:00 AM</b>
Date of opening of technical bid	<b>24/07/2018</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:  
Principal Investigator: Prof. R.Mazumder  
Department of Ceramic Engineering  
NATIONAL INSTITUTE OF TECHNOLOGY  
ROURKELA – 769 008, ORISSA

Yours sincerely,

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Name: Prof. R.Mazumder  
Principal Investigator:  
Project Code: SR/18/CR/004

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
01.	Benchtop Freeze Dryer (-110°C) <b>(Detailed specification as per attached Annexure – I)</b>	01 unit
02	One number 5 KVa SERVO controlled stabiliser 130Volt to 300 Volt	01 unit
03	Separate medium compartment at least -20°C to prefreezing of samples	01 Unit

**2. Specifications and allied Technical Details**

\* Attach User list along with the quotation

**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 <https://eprocure.gov.in/eprocure/app>

5. Quotations should be valid for a period of **120** days from the closing date of the bid.

**6. Some important dates:**

i.	Pre-bid Conference:	Date: ___NA___	Time: ___NA__
ii.	Last date for submission of bid:	Date: 23/07/2018	Time: 11:00 AM
iii.	Date of opening of technical bid:	Date: 24/07/2018	Time: 11:00 AM

7. **Warranty** of minimum **01** years must be provided.

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

9. **Bid Security and Tender Cost:** Bid Security in shape of Bank Guarantee/DD (Demand Draft) for **INR 30,000/-** (Rupees Three 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. And Bank Guarantee/DD 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(CR) on or before 24/07/2018 at 11:00 AM.

10. **Performance Security: Not Applicable**
11. Please go through the enclosed "bid document" carefully for other bidding instructions.
12. Please send your quotations through <https://eprocure.gov.in/eprocure/app>
13. For technical details, you may contact

**Prof. R.Mazumder**  
Principal Investigator:  
Project Code: SR/18/CR/004  
Department of Ceramic Engineering.,  
National Institute of Technology,  
Rourkela - 769 008  
Phone: 0661 - 2462208,  
Mobile No. +919438391787  
Fax: 0661 - 2462999  
E-mail: [ranabrata@nitrkl.ac.in](mailto:ranabrata@nitrkl.ac.in)

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



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**BID DOCUMENT**

**1. Instructions to the bidders**

- 1.1 Bids are invited on behalf of the Director, National Institute of Technology (NIT), Rourkela – 769 008, 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 15 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 (In respect of high value plant, machinery etc. of a complex and technical nature). 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 If any bidder does not fulfill technical specification, his/her eligibility will be cancelled even if his/her price got L1 status.

**2. 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, entry tax 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. The Institute is not authorized to issue C or D forms. 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 reached 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 **120 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, where applicable, whichever is later/latest.
- 2.13 In case of Advance payment, the payment will be made on either in Foreign Demand Draft or Wire Transfer only. The proforma invoice copy need to be sent for advance payment.
- 2.14 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.
- 2.15 The bid document/resultant contract will be interpreted under Indian Laws.

**Specification for Benchtop Freeze Dryer (-110°C) and its accessories**

1. Compact Table Top model. preferably chamber outer dimension within 50x50x50cm which may be placed on table (Dimension and weight of the equipment must be provided)
2. Operated on 220Volt/50 Hz power supply.
3. Surface condenser temperature -110°C or lower to trap both of water and organic solvents
4. Faster drying process (Drying rate must be provided).
5. Condenser material Stainless Steel preferably AISI316 grade
6. The instrument must be with seamless surface condenser with external cooling coil, heavily insulated at-least 9cm. Cooling coil exposed in condenser chamber will not be entertained to prevent mechanical damage and difficult defrosting.
7. Simple microprocessor controlled with temp led display without any complicated programming/display
8. Condenser capacity minimum 2.5Kg per day or better.
9. Condenser minimum dia 160mm or higher.
10. Start delay for the compressors safety
11. Provision for connecting vacuum concentrator for future up gradation.
12. Compact two stage small size high vacuum pump, vacuum pump size preferably not more than 12"x8"x6" (dimension must be mentioned) with sound as less as possible 44dBA (sound level must be mentioned) to keep the laboratory environment disturbance free.
13. Ultimate partial vacuum 0.0004 mbar
14. The pump should be fitted with safety anti suck back device to prevent back flow of vacuum oil during power failure.
15. Oil mist filter to trap part of oil fumes.
16. Manifold arrangement for freeze drying in flask and petri dish etc. should be quoted along with the system.
17. Flask drying manifold of stainless steel
18. Acrylic/Polycarbonate chamber for drying in trays (Dimension of acrylic/ Polycarbonate chamber must be provided)
19. One Liter vacuum oil
20. Four nos. stainless steel adapters
21. At least 2 numbers wide mouth flask
22. 4nos. RB flasks
23. Two nos bent neck glass adapters
24. Two years AMC after warranty

**Others**

1. Scanned copy of the technical brochure of the equipment given in the quotation must be included in the bid
2. Atleast five user name and contact from NIT/IIT/reputed indian institute/Govt. research organization must be provided where the same equipment has been supplied in last three years along with copy of purchase order.

**Accessories to be provided and required for smooth running of equipment**

1. One number 5 KVa SERVO controlled stabiliser 130Volt to 300 Volt to be quoted in INR if manufactured in India and must be compatible with the system.
2. Separate medium compartment at least -20oC to prefreeze samples to be quoted in INR if manufactured in India and must be compatible with the system.

**In addition**

- Efficient service facility may be available in Rourkela/Bhubaneswar/Kolkata.(preference will be given to those bidder who have service facilities available in above mentioned cities)
- Freeze dryer system should be completed with all required vacuum tubing, flanges, connectors, adapters etc.
- The bidder should have complete knowledge of freeze drying process, installation, demonstration, application etc.

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