



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

**Advertised Tender Enquiry**

**Department: Electrical Engineering**

**Tender Notice No: NITR/PW-SR/EE/2019/173**

**Date: 27/11/2019**

**To**

**Important Dates**

<b>Event</b>	<b>Date</b>	<b>Time</b>
<b>Pre-bid Conference</b>	<b>-NA-</b>	<b>-NA-</b>
<b>Last Date of submission of bid</b>	<b>19/12/2019</b>	<b>11:00 AM</b>
<b>Date of opening of techno-commercial bid</b>	<b>20/12/2019</b>	<b>11:00 AM</b>

**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 technical query contact to

Attention: Prof. Paresh G. Kale  
Department of Electrical Engineering  
National Institute of Technology  
Rourkela – 769 008, Odisha  
Phone: 0661 – 2462447  
Email: [pareshkale@nitrkl.ac.in](mailto:pareshkale@nitrkl.ac.in)

Yours sincerely,

\_\_\_\_\_  
Name: Prof. Paresh G. Kale  
(PIC)

**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	<b>Thermal Evaporation System</b>	1

2. **Specifications and allied Technical Details**

For detailed specification see **Annexure I**  
Please submit list of users along with the quotation.

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

It is a two-part bid with separate technical 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 **60 days** from the closing date of the bid.

6. **Some important dates:**

<b>i.</b>	<b>Pre-bid Conference:</b>	<b>Date: NA</b>	<b>Time: NA</b>
<b>ii.</b>	<b>Last date for submission of bid</b>	<b>Date: 19/12/2019</b>	<b>Time: 11:00 AM</b>
<b>iii.</b>	<b>Opening date of techno-commercial bid</b>	<b>Date: 20/12/2019</b>	<b>Time: 11:00 AM</b>

7. **Warranty:** Warranty must be **2 years** onsite which should be clearly mentioned along with the quotation.

8. **Technical Evaluation Criteria:** As per the detail equipment technical specifications given in Annexure –I. If required, the bidder may be asked to provide clarification regarding the technical aspects.

9. The comparison will be made for award of contract on the overall price basis.

10. **GST** should be charge as per the applicable rates.

11. **Bid Security and Tender Cost:-** Bid security in shape of DD (Demand Draft) for **INR 17,000 /-(Rupees Seventeen Thousand Only)** and Tender Cost (Non- refundable) in the form of DD for **INR 1000/- (Rupees One Thousand Only)** in favour of **Director, NIT Rourkela Payable at Rourkela** from any Scheduled Commercial Bank except Co-operative and Gramin bank. And 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. Bid security 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; on or before 20/12/2019 at 11:00 AM.**

12. **Performance Security: INR 42,000 /- (Rupees Forty Two thousand Only)** in shape of Bank Guarantee/Demand Draft (DD) in favor of **Director, NIT Rourkela payable at Rourkela** from any Scheduled Commercial Bank except Co-operative and Gramin bank. Performance security should remain valid for a period of 60 days beyond the date of completion of all contractual obligations of the supplier including warranty obligation. And EMD (Earnest Money deposit) amount of successful bidder will be returned after the receipt of performance security in case of award of contract to successful bidder.

13. Please go through the enclosed "bid document" carefully for other bidding instructions. Please send your quotations through <https://eprocure.gov.in/eprocure/app>
14. For technical details, you may contact

Prof. Paresh G. Kale  
Department of Electrical Engineering  
National Institute of Technology, Rourkela – 769 008  
Phone:0661-246-2447  
E-mail: [pareshkale@nitrkl.ac.in](mailto:pareshkale@nitrkl.ac.in)

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



# NATIONAL INSTITUTE OF TECHNOLOGY ROURKELA – 769 008, ODISHA

## **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, Odisha, from the intending bidders for supply of the goods/stores/ equipment 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 tender document.
- 1.5 The Bid should be uploaded in <https://eprocure.gov.in/eprocure/app>. Please follow the guideline 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 Para1.4 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 nonresponsive.
- 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 fulfil technical specification, his/her eligibility will be cancelled even if his/her price got L1 status.
- 1.12 Bidders registered with any of the following agencies/ bodies as per Public procurement policy for Micro & Small Enterprises (MSE) order 2012 are exempted categories from payment of EMD provided that the registration Certificate issued by any one of these below mentioned agencies must be valid as on close date of tender. Micro small or medium enterprises who have applied for registration or renewal of registration with any of these agencies/bodies but have not obtained the valid Certificate as on close date of tender are not eligible for exemption.
  - i) Khadi and Village Industries Commission (KVIC)
  - ii) National Small Industries Corporation (NSIC)
  - iii) Any other body specified by Ministry of MSME/GOI

### **2. Conditions of the bid**

- 2.1 The rates quoted should preferably be net, inclusive of all taxes and duties, packing, forwarding, freight, Insurance and all other incidental charges. 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 actuals. 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 – Integrated tax (Rate) dt. 14/11/2017 & Notification No. - 45/2017- Central tax (Rate) dt. 14.11.2017, Notification No. - 45/2017- Union Territory Tax (Rate) dt. 14/11/2017 [Vide DSIR, Ministry of Science and Technology, Government of India, 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 **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 **60 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 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.

**Specifications of Thermal Evaporation system**

A thermal Evaporation system is required to versatile and compact thin film coating which meet the demand of material characterization or anodization. The system must be compatible with glass chamber and metal chamber. The system must offer a wide range of techniques like thermal evaporation, sputtering, and electron beam deposition With range of full size vacuum systems, chambers and modular process accessories. A complete and versatile Thermal Evaporation System suitable for multi-user environment with all accessories to be quoted as per the following specifications.

1. Vacuum Chamber: high vacuum D shaped water cooled chamber and having dimension 400mm diameter x 500mm high.
2. Chamber Gadgetries: Thermal evaporation source with power supply (200 A at 10 V or 100 A at 20V, thyristor controlled), digital panel, shutter, Static substrate holder platform to accommodate 4 “substrate, deposition monitor (rate and thickness display)
3. Vacuum pumping system – Rotary vacuum pump (at least 12m<sup>3</sup>/hr) , Pil diffusion pump for nitrogen (at least 600 ltrs/sec), liquid nitrogen trap, vacuum gauges, lines, and valves
4. Ultimate vacuum of at least  $5 \times 10^{-7}$  mbar range
5. Housing Cabinet with essential monitoring and display systems, doors, and mounts
6. Safety and interlocks for operator’s safety