



Advertised Tender Enquiry

Tender Notice No: NITR/PW/MM/2018/62

Date: 26.09.2018

Department: Metallurgical and Materials Engineering

Through,

**CPP Portal
(E-procurement)**

Important Dates

Event	Date	Time
Pre-bid Conference	NA	NA
Last date of submission of bid	25/10/2018	03:00 PM
Date of Opening of Technical Bid	26/10/2018	03:00 PM

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

Principal Investigator: Dr. Swapan Kumar Karak
Department of Metallurgical Engineering
National Institute of Technology Rourkela
Rourkela– 769 008, Orissa, India.
Phone No. : +919437745296,
FAX No.0661-2462926

Yours sincerely,

Name: Prof. S. K. Karak
Principal Investigator:
Project Code: NITR/SR/MM-CNS

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.	Sputter Coating Machine (Detailed specification as per attached Annexure – I)	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 single bid; please give all technical specifications and price bid in one go.

OR

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 **90** days from the closing date of the bid.

6. **Some important dates:**

Event	Date	Time
Pre-bid Conference	NA	NA
Last date of submission of bid	25.10.2018	03:00 PM
Date of Opening of technical Bid	26.10.2018	03:00 PM

7. **Warranty** of **02** years must be provided from the date of installation.

8. **GST:** GST should be charge as per applicable rates.

9. Tender Cost:- **Tender Cost:** Tender Cost (Non- refundable) in the shape of Demand Draft 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. 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(MM) **on or before 26/10/2018 at 03:00 PM**

10. **Bid Security** : **Not Applicable**

11. **Performance Security** : **Not Applicable**

12. **Eligibility: I) Copy of at least five purchase orders for the supply of same equipment and specification has to be attached.**

ii) Detailed brochure of equipment has to be attached.

13. Please go through the enclosed "bid document" carefully for other bidding instructions.

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

15. For technical details, you may contact

Prof. Swapan Kumar Karak

Principal Investigator:

Project Code: NITR/SR/MM-CNS

Department of Metallurgical and Materials Engineering Engineering

National Institute of Technology,

Rourkela – 769 008

Phone: 0661 – 2462570, Mobile No: +919437745296

Fax: 0661-2462926 E-mail: dsarkar@nitrrkl.ac.in

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 – 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.
- 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. 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 **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, 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.

Technical Specification of Sputter Coating Machine

Sputter Coating Machine:

Product Details: Compact Spin Coater (Max. 8000 rpm, 4" wafer Maximum) with 3 Sets of Vacuum Chucks & Complete Accessories

Structure

- Aluminum casting case to keep spinning stable
- Liquid disk made of Polypropylene (PP) to resist most of the corrosive solutions
- Drainage outlet and vacuum pump connector are on back panel
- One filter is included in standard package. It is used to connect the pump and coater for preventing waste water from flowing into the pump

Chamber and Vacuum Chuck

- Chamber Diameter: 200 x 200mm (Minimum)
- 3 sets of PP anti-corrosive vacuum chucks with chuck o-ring come in different sizes (1", 2" and 4")
- 1 piece of adhesive tape (6" W x 24" L) is included for coating irregularly shaped substrates.
- Mini suction cups are available for the small wafer with less 1" Dia. or substrate with regular (5x5, or 10x10mm) or irregular shape

Vacuum Pump

- Vacuum pump is included.
- For 220V version, a Single Step Rotary Vane Vacuum Pump with advanced exhaust filter is included.
- Vacuum Level – 0.001 Milli Bar

Spin Speed

- Digital control panel with two programmable segments of different spin times (1-60s) and speeds
- 500 - 8000 RPM adjustable spinning speed

Liquid Injecting

- 20ml syringe is used to contain the coating material
- The syringe holder height can be adjusted and rotated freely along the support rod

Motor Power

- 150w

Target

- Ag – Cu (28% Cu)
- Ag – Ti (45% Ti)

Others

- Warranty: 2 years standard warranty from the date of installation.
- *Bidders must provide user details of at least 5 national level premier institution of repute where similar instruments were supplied in last 2 years
- Scanned copy of technical brochure and website reference of the same must be included in the bid.