



NATIONAL INSTITUTE OF TECHNOLOGY

ROURKELA-769008 (ODISHA)

An Institute of National Importance under Ministry of HRD, GOI

NOTICE INVITING TENDER

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

Dated: 26.09.2018

The National Institute of Technology, Rourkela invites bids from the eligible bidders for procurement of **Sputter Coating Machine** at NIT Rourkela.

Last date of Submission of Bid : 25/10/2018 at 03:00 PM

Date of Opening of Technical Bid : 26/10/2018 at 03:00 PM

For Details: http://nitrkl.ac.in/OldWebsite/Jobs_Tenders/9Equipment/Default.aspx

Contact: Prof. S.K. Karak , MM; Ph: 0661-2462570

Email: skkarak@nitrkl.ac.in

Bidding through: <https://eprocure.gov.in/eprocure/app>

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REGISTRAR



NATIONAL INSTITUTE OF TECHNOLOGY ROURKELA-769008, ODISHA

(Open TENDER NOTICE NO: NITR/PW/MM/2018/62

dated: 26.09.2018)

(Purchase of Sputter Coating Machine at NIT Rourkela)

Sl. No.	Description of Goods/Service	Quantity
1.	Sputter Coating Machine (Detailed specification as per attached Annexure – I)	01

1. **Quantity required: as mentioned above (All information provided in technical specification in Annexure I)**
2. **Delivery:** Within **60 days** from the date of purchase order
3. **Last date of Submission of Bid** : **25/10/2018 at 03:00 PM**
4. **Date of Opening of Technical Bid** : **26/10/2018 at 03:00 PM**
5. The firm should not have been black listed at any time.
6. The submission of following bids by the tenderer should be through <https://eprocure.gov.in/eprocure/app>. Please follow the guidelines as per the portal.

Purchase of Sputter Coating Machine

(Tender Notice No: NITR/PW/MM/2018/62, dated 26.09.2018) Due on 25.10.2018 at 03:00 PM

7. Liquidated damage clause will be charged for any delay in supply of goods.
8. The validity of the tender shall be **90 days** from the date of opening of the bids.
9. Detailed advertisement including all tender documents is also available in our website at http://nitrkl.ac.in/OldWebsite/Jobs_Tenders/9Equipment/Default.aspx
10. NIT reserves the right to qualify or deny prequalification of any or all applicants without assigning any reasons.

(REGISTRAR)
NIT, Rourkela
Fax No- 0661-2462022
Ph. No -0661-247202

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.