



NATIONAL INSTITUTE OF TECHNOLOGY
ROURKELA-769008 (ODISHA)
(An Institute of National Importance under Ministry of HRD, GOI)

e-NOTICE INVITING TENDER (e-NIT)

Tender Notification No: NITR/PW-SR/PH/2020/65

Dated: 05/06/2020

The National Institute of Technology, Rourkela invites bids from the eligible bidders for procurement of **Electromagnet with accessories and Bipolar power supply** at NIT Rourkela.

Last date of Submission of Bid : **26/06/2020 by 03:00 PM**

Opening date of Techno-commercial Bid: **29/06/2020 at 03:00 PM**

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

Contact: Dr. Suryanarayan Dash, (Assistant Professor)

Department of PH;

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Bidding through: e-Procurement Portal of Ministry of HRD, Govt. of India

<https://mhrd.euniwizarde.com/>

**Sd/-
REGISTRAR**



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

(OPEN TENDER NOTICE NO.: NITR/PW-SR/PH/2020/65

Dated: 05/06/2020)

(Procurement of Electromagnet with accessories and Bipolar power supply at NIT Rourkela)

SL. No.	ITEM NAME	TECHNICAL DESCRIPTION	QUANTITY
1	Electromagnet with Accessories	<p>1. The system should consists of:</p> <ul style="list-style-type: none">i. Field Intensity : At an air-gap of one cm. with Tapered Pole pieces: 22,000 Gauss with Flat Pole pieces : 17,000 Gaussii. Air-gap variation : 0-90 mmiii. Pole Pieces : 110 mm dia.iv. Energizing Coils: Twov. Coil Separation: 125 mmvi. Energizing current: 0-30 ampsvii. Complaine Voltage: 65 Voltsviii. Insulation: 1000 volts <p>Accessories</p> <ul style="list-style-type: none">1. TAPERED POLE PIECES (Pole Pieces tapered to 50mm from 150mm)2. TROLLEY (Rolling Trolley for easy movement of magnet, can be locked against rolling)3. SAMPLE HOLDER : Sample Holder for the above magnet with horizontal and vertical movement	1 1 1 1
2	Bipolar Power Supply	<p>OUTPUT CURRENT: -30Amps to +30 Amps continuously variable with ten turn control. POWER OUTPUT: 1800 Watts. STABILITY: 0.05% at a set value (8 hrs with constant External effects. PROTECTION: MCB and HRC fuses in the input. Output should be protected against overload and short circuit. Output Over voltage trip protection should be there.. METERING: one voltmeter and one ammeter to monitor output voltage and current. REMOTE MONITORING: 0 to 5 VDC Voltage signal at rear panel corresponds to output voltage of 0 to full value. EXTERNAL PROGRAMMING External programming of current by voltage signal. (- 5VDC through zero (0) to + 5 VDC external voltage signal controls current from –full value to +full value.) INPUT REQUIREMENT: 230 VAC, 50 Hz, single phase.</p>	1

1. **Quantity required : As mentioned above (All information provided in technical specification)**
2. **Delivery: Within 60 days from the date of purchase order.**
3. **Last Date of submission of bid : 26/06/2020 by 03:00 PM**
4. **Date of opening of Techno-commercial bid: 27/06/2020 at 03:00 PM**
5. The firm should not have been black listed at any time.
6. The submission of following bids by the tender should be through **e-Procurement Portal of Ministry of HRD, Govt. of India** <https://mhrd.euniwizarde.com/> . Please follow the guidelines as per the portal.

Procurement of Electromagnet with accessories and Bipolar power supply at NIT Rourkela

(Open Tender Notice No.: NITR/PW-SR/PH/2020/65; Dated- 05/06/2020)

Due on 26/06/2020 by 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 pre-qualification of any or all applicants without assigning any reasons.

REGISTRAR
NIT, Rourkela
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