



**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/CR/2018/13**

**Dated: 02/04/2018**

The National Institute of Technology, Rourkela invites bids from the eligible bidders for procurement of **High Temperature Table Top furnaces (1200 degree Celsius continuous operation) with accessories** at NIT Rourkela.

**Last date of Submission of Bid : 01/05/2018 at 11:00 AM**

**Opening date of Technical and Financial Bid : 02/05/2018 at 11:00 AM**

**For Details:** [http://nitrkl.ac.in/OldWebsite/Jobs\\_Tenders/9Equipment/Default.aspx](http://nitrkl.ac.in/OldWebsite/Jobs_Tenders/9Equipment/Default.aspx)

**Contact:** Prof. S.K.Pal dept. (Ceramic Eng.); Ph. No: 0661-2462210; Email: [skpal@nitrkl.ac.in](mailto:skpal@nitrkl.ac.in)

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

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**REGISTRAR**



# NATIONAL INSTITUTE OF TECHNOLOGY ROURKELA- 769008, ODISHA

(TENDER NOTICE NO: NITR/PW/CR/2018/13 dated 02/04/2018)

(Purchase of High Temperature Table Top furnaces (1200 degree Celsius continuous operation) with accessories)

Sl. No.	Description of Goods/Service	Quantity
1.	High Temperature Table Top furnaces (1200oC continuous operation) (Detailed specification as per attached Annexure – I)	01
2.	Over temperature limit controller	01
3.	Voltage stabilizer suitable for furnace	01
4.	One data acquisition Unit suitable for furnace	01

**Quantity required** : as mentioned above (All information provided in technical specification in Annexure I)

**Delivery** : Within **60 days** from the date of purchase order

**Last Date of submission of Bid** : **01/05/2018** at **11:00 AM**

**Date of opening of Technical and Financial bid** : **02/05/2018** at **11:00 AM**

The firm should not have been black listed at any time.

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 High Temperature Table Top furnaces (1200 degree Celsius continuous operation)**  
**(Tender Notice No: NITR/PW/CR/2018/13, dated 02/04/2018) Due on 01/05/2018 at 11:00 AM**

Liquidated damage clause will be charged for any delay in supply of goods.

The validity of the tender shall be 90 days from the date of opening of the bids.

Detailed advertisement including all tender documents is also available in our website at [http://nitrkl.ac.in/OldWebsite/Jobs\\_Tenders/9Equipment/Default.aspx](http://nitrkl.ac.in/OldWebsite/Jobs_Tenders/9Equipment/Default.aspx)

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

## Annexure –I

### **Specification for High Temperature Table Top furnaces (1200 degree Celsius continuous operation)**

#### **Specification:**

1. It should be GLP & GMP compliant Non-rust Textured Stainless steel casing box furnace of with Continuous Operation temperature: 1200 °C (continuous Operation)
2. PID based Microprocessor temperature controller with LCD display with data input by numeric pad.
3. Should have facility for at-least 5 Programs with 4 Steps each; Temperature & time value entry in steps of 1°C & 1minute respectively;
4. Status messages not as codes but as clear texts. With start time configurable; Operating hour counter; auto tune function;
5. Temperature variable as °C & °F; kWh meter;
6. Real time clock;
7. Skip-button for segment jump.
8. Heating elements on support tubes ensure free heat radiation & long life and easy replacement &
9. High-quality robust light weight refractory bricks for furnace Chamber for the high working temperature.
10. Double-walled casing for low external temperatures and high stability.
11. Solid state replay to provide low noise.
12. Adjustable air inlet integrated in the door, exhaust air outlet in rear wall of furnace.
13. Should meet applied harmonized standards or better EN 61010-1, EN 60519-1, EN 60519-2, EN 61000-6-2, EN 61000-6-4.
14. Chamber volume of 9 litres
15. Over Temperature Limit Controller with adjustable cutout temperature for thermal protection Class 2, in accordance with EN 60519-2 as temperature limited to protect the furnace & load.
16. Heating capacity 3.0 kW or better & 220 V AC / 50 Hz /Single- phase machine.
17. Preferred make: Nabertherm
18. Proprietary Certificate need to be provided

#### **Accessories**

1. Voltage stabilizer suitable for furnace to be quoted in INR if manufactured in India and must be compatible with the system.
2. One data acquisition Unit to be quoted in INR if manufactured in India and must be compatible with the system.

#### **Others**

- Warranty: 3 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.