



**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/BM/2018/10

Dated: 09.03.2018

The National Institute of Technology, Rourkela invites bids from the eligible bidders for procurement of **Compact versatile refrigerated Micro centrifuge with accessories for Mixing of PCR setups** at NIT Rourkela.

Last date of Submission of Bid: **06/04/2018 at 03:00 PM**
Opening date of Technical Bid and Financial Bid: **09/04/2018 at 11:00 AM**

For Details:

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

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

Contact: Prof. Angana Sarkar, BM; Ph: 0661-2462295; Email: sarkara@nitrkl.ac.in

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

**SD/-
REGISTRAR**



NATIONAL INSTITUTE OF TECHNOLOGY ROURKELA – 769 008, ORISSA

(OPEN TENDER NOTICE NO: NITR/PW/BM/2018/10

Date: 09-03-2018)

(Purchase of Compact Versatile Refrigerated Micro centrifuge With Accessories for Mixing of PCR Setups at NIT Rourkela)

Sl.No.	Description of Goods/Service	Quantity
1.	<p>Compact versatile refrigerated Micro centrifuge with accessories for Mixing of PCR setups</p> <p><i>Specifications:</i></p> <ul style="list-style-type: none">• Maximum Speed of at least 30,000xg /17000 rpm, with a brushless motor• Temperature range should be from -10°C to 40°C, should be able to maintain 4°C at maximum speed• It should be possible to use aerosol tight rotor, aerosol tightness of rotor should be certified by a third party agency• Instrument should be able to accommodate 48 number of 1.5/2ml tubes• Instrument should have an in-built condensate drain to prevent water accumulation• It should be possible to perform a fast pre-cooling of the instrument using a dedicated Fast Temp function• It should be possible to program fast cooling with preset date and time• It should be possible to store 50 programs with 5 quick access program keys• Speed setting should be possible in both rpm and rcf• Should possess a separate short spin key for brief spin• It should be possible to program compressor shut off after 8 hrs. of non-usage of the centrifuge• Should have the flexibility to accommodate rotors for different formats of tubes starting from 0.2ml PCR tubes up to spin column tubes• Instrument should have a dedicated rotor for 5 ml tubes to accommodate 5ml conical tubes.• Instrument should have dedicated rotors for 15/50ml Conical tubes and Micro titer plates• Instrument should have automatic rotor recognition facility to automatically recognize and set maximum speeds upon rotor change• Rotor lids should have a Quick Lock-system for secure lid closing and opening• It should be possible to perform gentle acceleration and deceleration using dedicated key• Noise levels should be <54 dB(A)• It should be possible to operate the centrifuge at set rpm, for short spin protocols• Instrument should be CE Certified and also have a IVD Conformity• Aluminum made rotors is required for high structural safety & high thermal	1

	<p>conductivity for fast temperature adjustments.</p> <ul style="list-style-type: none"> • Rotors under scope of supply: <ul style="list-style-type: none"> - 30 x 1.5/2.0 ml micro centrifuge tube rotor with at least Speed:17,000 rpm.& at least RCF: 30,000xg - 6 x 15 ml / 50 ml Falcon / Conical tube rotor with maximum Speed 7,500 rpm. • As an accessory of the system a Peltier driven thermal device with excellent temperature control with user controllable mixing function for complete, dependable and reproducible sample preparation should be offered. This unit should have heating, mixing and cooling for tubes and plate formats with choice of blocks for 5 mL to 50 mL (0.2ml tubes or strips, 0.5, 1.5, 2, 5, 15, 50 mL tubes, 96, 384 well plates) and should have both vortex and mixing functions with radius of 1.5 mm and mixing speed ranging 300 to 3000 rpm. • System should be programmable for temperature and time with capability to store 20 programs and should have a temperature control range from 15 °C below RT to 100°C with temperature settings ranging from 1°C to 100°C with accuracy of ±0.5°C at 20 – 45°C • System should possess automatic block recognition and set to its maximum speed limit • The quotation should be inclusive of fully Autoclavable of variable volume - 0.5-10 µL, 10-100 µL & 100-1000 µL • Warranty – at least 2 years. 	
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Quantity required Delivery: as mentioned above (All information provided in technical specification)

Delivery: Within 30 days from the date of purchase order,

Last Date of submission of Tender: 06-04-2018, 03:00 PM

Date of opening of technical bid and financial Bid: 09-04-2018, 11:00 AM

1. The firm should not have been black listed at any time.
2. The submission of following bids by the tenderer should be through <https://eprocure.gov.in/eprocure/app>
3. Please follow the guidelines as per the portal.

**Purchase Of Compact Versatile Refrigerated Micro centrifuge With Accessories
For Mixing Of PCR Setups At Nit Rourkela, Odisha**

**(Tender Notice No.: - NITR/PW/BM/2018/10, dated :09/03/2018) Due on 06/04/2018 at
03:00 PM)**

4. Liquidated damage clause will be charged for any delay in supply of goods.
5. The validity of the tender shall be **60 days** from the date of opening of the bids.
6. Detailed advertisement including all tender documents is also available in our website at http://nitrkl.ac.in/OldWebsite/Jobs_Tenders/9Equipment/Default.aspx.
7. 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 -0661-2472021**