



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/2018/26

Dated: 16.05.2018

The National Institute of Technology, Rourkela invites bids from the eligible bidders for procurement of **Planetary Micro Mill (WC Grinding Bowl and 0.6mm WC Ball Assembly)** at NIT Rourkela.

Last date of Submission of Bid : 12/06/2018 at 11:00 AM

Opening date of Technical Bid: 13/06/2018 at 11:00 AM

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

Contact: Prof. Debasish Sarkar , CR; Ph: 0661-2462207

Email: dsarkar@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/2018/26

dated: 16.05.2018)

(Purchase of Planetary Micro Mill with Tungsten Carbide Grinding Bowl and Ball Accessories)

Sl. No.	Description of Goods/Service	Quantity
1.	Planetary Micro Mill (WC Grinding Bowl and 0.6mm WC Ball Assembly) (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 **70 days** from the date of purchase order
3. **Last date of Submission of Bid** : **12/06/2018 at 11:00 AM**
4. **Opening date of Technical Bid:** **13/06/2018 at 11:00 AM**
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 Planetary Micro Mill (WC Grinding Bowl and 0.6mm WC Ball Assembly)

(Tender Notice No: NITR/PW/CR/2018/26, dated 16.05.2018) Due on 12.06.2018 at 11:00 AM

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

1. Specification for Planetary Micro Mill (WC Grinding Bowl and 0.6mm WC Ball Assembly)

Technical Specifications - Planetary Micro Mill

- Maximum feed particle size - upto 5 mm
- Final fineness < 0.1 µm
- Minimum Sample Quantity: 0.5 ml
- Maximum Sample Quantity: 70 ml
- No. of bowls - 2 bowls of 80 ml volume
- Grinding balls – 600 grams of 0.6 mm dia.
- Bowls and balls of Hard metal tungsten carbide

Other specifications and required features:

- The offered micro mill should be bench top model.
 - **Rotational Speed of Main disk upto 1100 rpm**
 - **Maximum speed of grinding bowls should be 2200 rpm**
 - **High energy milling up to 95 g.**
 - Short milling times
 - Dry and wet grinding possible.
 - Bench top model with high grinding performance
 - No-Loss grinding, even in suspension
 - The mill should have facility of continually monitoring and recording the data of gas pressure and temperature during the grinding process.
 - The Mill should have USB interface – logging results should be easier.
 - The grinding bowls 80 ml volume made of Hard metal tungsten carbide should be supplied with steel casing.
 - The grinding balls 0.6 mm dia made of Hard metal tungsten carbide should be supplied.
 - Possibility to add special lid for grinding in inert atmosphere
 - Grinding chamber cooled by built-in to permit longer grinding times
 - Programmable interval and break times and rotation direction (clock wise & anti clock wise)
 - Absolutely reproducible grinding parameters with use synchronous belts for transmission.
 - Simple cleaning of grinding elements
 - **Effective diameter of main disk should be 140 mm**
 - **Transmission ratio should be 1: -2**
 - Emptying device to separate grinding balls from samples to be offered
 - Suitable seal rings to be offered.
 - Preferred Make - Fritsch Laboratory Instruments, Germany.
 - Proprietary Certificate Need to be provided.
- 2. Others**
- Warranty: 2 years standard warranty from the date of installation.
 - Scanned copy of technical brochure and website reference of the same must be included in the bid.