



**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-SR/LS/2019/137**

**Dated: 06/08/2019**

The National Institute of Technology, Rourkela invites bids from the eligible bidders for procurement of **Ultramicrotome to Section Sample for Electron Microscopy** at NIT Rourkela.

**Last date of Submission of Bid : 03/09/2019 at 11:00 AM**

**Date of opening of techno-commercial bid : 04/09/2019 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:** Dr. Monalisa Mishra, LS; Ph: 0661-2462784

Email: [mishramo@nitrkl.ac.in](mailto:mishramo@nitrkl.ac.in)

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

**sd/-  
REGISTRAR**



# NATIONAL INSTITUTE OF TECHNOLOGY ROURKELA-769008, ODISHA

(OPEN TENDER NOTICE NO: NITR/PW-SR/LS/2019/137

Dated: 06/08/2019)

(Procurement of **Ultramicrotome to section sample for Electron Microscopy**)

Sl. No.	Description of Goods/Service	Quantity
1.	<b>Ultramicrotome to section sample for Electron Microscopy</b> (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** : **03/09/2019 at 11:00 AM**
4. **Opening date of techno-commercial bid** : **04/09/2019 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.

**Procurement of Ultramicrotome to section sample for Electron Microscopy**  
(Open Tender Notice No.: NITR/PW-SR/LS/2019/137, dated: 06/08/2019) Due on 03/09/2019 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](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 -0661-2462021

**Specification for Ultramicrotome to section sample for Electron Microscopy**

**Technical Specifications**

Ultra-microtome supplied complete with Control unit for controlling the Ultra microtome.

❖ **Ultramicrotome**

- Ultramicrotome with 180° swivelling microscope carrier
- Built in ant vibration system with gravity stroke
- Knife block 360° rotatable, dual sided self-locking precision drive with  $\pm 30^\circ$  graduation, clearance angle drive with  $1^\circ$  scale from  $-2^\circ$  to over  $15^\circ$ .
- Automatic advance system with stepping motor for 200 $\mu$ m specimen advance
- 4 x LED approach for spot light, Top-light, Back-light & Specimen-illumination trans light
- Electronic stepping control for automatic specimen advance/return
- Memory channels to store frequently used cutting and trimming parameters
- Segment arc with specimen Trans illumination, self-locking precision drives for  $\pm 22^\circ$ , transferable stem for longitudinal and cross sectioning
- Cutting window adjustment from 0.3-14mm
- Cutting speed control from 0.2 to 90mm/sec
- RT Key-Pad-Control unit
- N-S Motorised knife stage movement
- Advance control from 0nm to 5 $\mu$ m with display. Memory for 4 combinations of advance and cutting speed. Push-button for cutting window
- Larger working distance

❖ **Glass Knife Maker:**

- Glass knife maker with balance break method having auto reset function and drawer system
- Two pre-set score marks for making the knives
- 100% balanced break method
- Breaks glass from 6.4 to 10mm
- Variable scoring lengths with Accurate glass strip positioning
- Drawer system with convenient and safe knife removal
- Auto reset of breaking and scoring mechanism
- Push action score for even scoring and Adjustable scoring pressure
- Breaking wheel with scale for defined and reproducible glass break

❖ **Essential Accessories**

- Knife box for 6.4 and 8 mm glass knives 2 pcs
- Glass strips 6.4 mm, 10 pcs; Glass strips 8.0 mm, 10 pcs.
- Trufs for 6.4 mm glass, 500 pcs;
- Hot Plate

❖ **Optional Accessories**

- Diamond knife ultra  $35^\circ$  3.0mm

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