



## 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/LS/2018/73**

**Dated: 29.10.2018**

The National Institute of Technology, Rourkela invites bids from the eligible bidders for procurement of **Micromanipulator for Patch clamp and electrophysiology application** at NIT Rourkela.

**Last date of Submission of Bid : 27/11/2018 at 11:00 AM**

**Opening date of Technical Bid: 28/11/2018 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:** 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>

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REGISTRAR



# NATIONAL INSTITUTE OF TECHNOLOGY ROURKELA-769008, ODISHA

(OPEN TENDER NOTICE NO: NITR/PW/LS/2018/73

dated: 29.10.2018)

(Procurement of **Micromanipulator for Patch clamp and electrophysiology application**)

Sl. No.	Description of Goods/Service	Quantity
1.	<b>Micromanipulator for Patch clamp and electrophysiology application</b> (Detailed specification as per attached Annexure – I)	01

- Quantity required** : as mentioned above (All information provided in technical specification in Annexure I)
- Delivery** : Within **70 days** from the date of purchase order
- Last date of Submission of Bid** : **27/11/2018** at **11:00 AM**
- Opening date of Technical Bid** : **28/11/2018** 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.

## **Micromanipulator for Patch clamp and electrophysiology application**

**(Tender Notice No: NITR/PW/CR/2018/73, dated 29.10.2018) Due on 27.11.2018 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 -0661-2462021

**Specification for Micromanipulator for Patch clamp and electrophysiology application**

**Technical Specifications**

**Application:**

The system would primarily be used for Patch clamp method in electrophysiology application.

**System:**

The system should be with the following features:

1. Virtually drift-free work over hours (should be supported by printed literature).
2. Extra-fine movement for highly precise positioning (< 20 nm motor step size)
3. Intuitive movement control with a single joystick
4. Advanced functions (e.g., axial movement, position memory, Z-limit)
5. Home function and swivel-out movement for easy access to sample and electrode
6. No electrical noise for optimal measurements
7. Adaptable to all conventional microscopes

Appropriate adapter for microscope should be offered by the vendor, for which make & model of the microscope would be provided at the time of ordering.

8. PC interface for remote control
9. Adjustable angle head to allow angle settings from 0 ° to 90 °.
10. Head stage holder is required to be offered & should be compatible with most frequently used pre-amplifier models.