



**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/CH/2019/175

Dated: 02/12/2019

The National Institute of Technology, Rourkela invites bids from the eligible bidders for procurement of **Electrical Properties Analyzer: Current - Voltage measurement unit**, at NIT Rourkela.

Last date of Submission of Bid : 23/12/2019 by 03:00 PM

Opening date of Techno-commercial Bid: 24/12/2019 at 03:00 PM

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

Contact: Prof. Biswajit Saha, CH; Ph: 0661-2462252

Email: sahab@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/CH/2019/175

Dated: 02/12/2019)

Procurement of Electrical Properties Analyzer: Current - Voltage measurement unit, at NIT Rourkela.

Sl. No.	Description of Goods/Service	Quantity
1.	Electrical properties analyzer: Current - Voltage measurement unit	01

- Quantity required** : As mentioned above (All information provided in technical specification in Annexure I)
- Delivery** : Within **90 days** from the date of purchase order
- Last date of Submission of Bid** : **23/12/2019 by 03:00 PM**
- Opening date of Techno-commercial Bid:** **24/12/2019 at 03:00 PM**
- 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.

**Procurement of Electrical properties analyzer: Current - Voltage measurement unit
(Open Tender Notice No: NITR/PW-SR/CH/2019/175 Dated: 02/12/2019) due on 23/12/2019 by 03:00 PM**

- Liquidated damage clause will be charged for any delay in supply of goods.
- The validity of the tender shall be **120 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
- 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**

SI No.	Parameter	Specification
1.	No of channel	01 or higher
2.	Source Voltage	200mV to 200V or higher
3.	Min Resolution(source Voltage)	1 μ Volt (min.) or better
4.	Source Current	\pm 100 nA to \pm 3 A or better
5.	Current Pulsed Output	\pm 10 A or higher
6.	Min Programmable Pulse Width	50 μ s (Resolution : 1 μ s)
7.	Max. Digit at Source	5 1/2 Digit or better
8.	Voltage Measurement	\pm 200 mV - \pm 200V or wider including mentioned range
9.	Resolution	100 nV(min) or better
10.	Current Measurement	\pm 10 nA – \pm 10 A max. (DC/Pulse) or better
11.	Current Resolution(Source/Measure)	1 pA & 100 fA respectively or better
12.	Max. Digit at Measurement	6 1/2 Digit or better
13.	Resistance Measurement range	2 ohm to 200 Mohm (1 microOhm resolution) or wider including mentioned range
14.	Minimum Trigger Interval	20 microsec or better
15.	Min programmable value to create list sweep waveform	Min 20 μ s with 1 μ s resolution
16.	Sweep Modes	Linear, Logarithmic or List
17.	Sweep Direction	Double
18.	Maximum Buffer size	100,000 points/channel or higher
19.	The PC control software should support operating systems from Windows 7 or higher preferably upto Windows10	
20.	Warranty	12 months from the date of installation/supply or longer
21.	After Sales Service	The OEM should have NABL accredited calibration lab in India The OEM should have their own service center in India

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