



**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/2019/176**

**Dated- 03.12.2019**

The National Institute of Technology, Rourkela invites bids from the eligible bidders for procurement of **Inductance Capacitance and Resistance Measurement Equipment**, at NIT Rourkela.

**Last date of Submission of Bid : 26/12/2019 by 11:00 AM**

**Opening date of Techno-commercial Bid : 27/12/2019 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: Prof. Biswajit Saha, CH;**

Ph: 0661-2462252

Email: [sahab@nitrkl.ac.in](mailto: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/2019/176**

**dated: 03.12.2019 )**

**Procurement of Inductance Capacitance and Resistance Measurement Equipment.**

<b>Sl. No.</b>	<b>Description of Goods/Service</b>	<b>Quantity</b>
1. .	Inductance Capacitance and Resistance Measurement Equipment	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** : **26/12/2019 by 11:00 AM**
- Opening date of Techno-commercial Bid** : **27/12/2019 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.

**Inductance Capacitance and Resistance Measurement Equipment  
(OPEN TENDER NOTICE NO: NITR/PW-SR/CH/2019/176 dated: 03/12/2019) due on  
27/12/2019 at 11:00 AM**

- 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](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**

**Detail specification of Inductance Capacitance and Resistance Measurement Equipment**

**Technical Specification:**

Test Frequency: 20Hz to 1MHz or better

Resolution: 100Hz or better

Measurement accuracy:  $\pm 0.01\%$  or better

Test Signal Voltage and Current: 0Vrms to 2Vrms and 0Arms to 2mArms with resolution of 100 $\mu$ Vrms and 1 $\mu$ Arms respectively

Measurement display range:

Capacitance:  $\pm 1.000000$  aF to 999.9999 EF or better

Inductance:  $\pm 1.000000$  aH to 999.9999 EH or better

Resistance:  $\pm 1.000000$  a $\Omega$  to 999.9999 E $\Omega$  or better

Impedance:  $\pm 1.000000$  a $\Omega$  to 999.9999 E $\Omega$  or better

Dissipation Factor:  $\pm 0.000001$  to 9.999999 or better

Quality factor:  $\pm 0.01$  to 99999.99 or better

Phase angle of impedance/admittance:  $\pm 0.0001$  deg to 180.0000 deg or better

Display Range: Test Mode: R/Q, C/D, C/R, L/Q, Z/ $\theta$ , L/R

Equivalent Circuit: Parallel or series selectable

Test Speed Mode: SLOW, MEDIUM and FAST

Parameter display: Value, Deviation, % Deviation

Display: LCD

Operating Temperature Range: 0 to 50°C

Power Supply: 220V, 50Hz  $\pm 10\%$

Interface: LAN/USB/GPIB

Accessories: The instrument shall be supplied with Text fixture for axial or radial lead device

Software: LCR Meter will be supplied with necessary software for automation and control

After Sales Service: The Manufacturer should have Own service center in India and NABL accredited calibration Centre in India

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