



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/MM/2019/110

Dated: 05.04.2019

The National Institute of Technology, Rourkela invites bids from the eligible bidders for procurement of **PC Controlled Electrochemical Workstation (Potentiostat / Galvanostat)** for NIT Rourkela.

Last date of Submission of Bid : 26/04/2019 at 05:00 PM

Opening date of Techno-commercial Bid : 29/04/2019 at 11:00 AM

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

Contact: Prof. Archana Mallik , MM; Ph: 0661-2462558

Email: archanam@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/MM/2019/110

Dated: 05.04.2019)

(Purchase of **PC Controlled Electrochemical Workstation (Potentiostat / Galvanostat)** for NIT Rourkela)

Sl. No.	Description of Goods/Service	Quantity
1.	PC Controlled Electrochemical Workstation (Potentiostat / Galvanostat for NIT Rourkela) (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** : **26/04/2019 at 05:00 PM**
- Opening date of Techno-commercial Bid** : **29/04/2019 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.

Purchase of PC Controlled Electrochemical Workstation (Potentiostat / Galvanostat)

(Open Tender Notice No: NITR/PW/MM/2019/110, dated 05.04.2019) Due on 26/04/2019 at 05:00 PM

- 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
- 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

1. **Instrument:PC controlled Electrochemical workstation (Potentiostat/Galvanostat)**
2. **Special note – Please float two quotes, with and without electrochemical impedance spectroscopy (EIS)**

Sl.No.	Description	Specification*
1.	<i>Hardware requirement</i>	
(i)	Electrode configuration	2, 3, 4 and 5 terminals
(ii)	Control voltage	± 10 V
(iii)	Compliance voltage	± 20 V
(iv)	Current output	2 A (min)
(v)	Current resolution	1 nA
(vi)	Scan rate	0.1 mV/s (Min)
(vii)	EIS frequency range	10 µHz –1MHz
(viii)	External current booster option	Yes
2.	<i>Software requirement along with analysis tool</i>	
(i)	Fundamental electrochemistry	CV, LSV, ASV, CA, CP, Pulse deposition, SV etc.
(ii)	Corrosion	EVT, LP, GC, CPP,CPT, PR etc
(iii)	Electrochemical noise analysis	SD, PSD etc.
(iv)	Energy storage applications	Dynamic capacitance, Solar cell efficiency
3.	<i>Accessories</i>	<i>Quantity</i>
(i)	Saturated calomel electrode	2
(ii)	Ag/AgClreference electrode	2
(iii)	Corrosion cell (500 ml)	2
(iv)	Platinum counter electrode	2

Other Qualification Criteria:

1. At least five user names and contacts from NIT/IIT/reputed Indian institute/Govt. R&D organizations must be provided where the above equipment and accessories (**Annexure-I**) have been supplied in last five years. Scan copies of the minimum five purchase orders of the above equipment and accessories (**Annexure-I**) must be enclosed along with the technical bid.
2. There must be a local maintenance center with availability of the spares in India.
3. Scanned copies of the technical brochure of the above equipment and accessories (**Annexure-I**) given in the quotation must be included in the technical bid.
4. Web references must be provided along with the technical bid.
5. Pointwise technical compliance along with any deviation of the mentioned specifications (**Annexure-I**) must be indicated along with technical documents.
6. Customized equipment and accessories (as per **Annexure-I**) will not be accepted. The standard equipment and accessories (as per **Annexure-I**) will only be accepted.
7. Make and model no. should be mentioned in the technical bid.
8. **Warranty** : 2 years standard warranty from the date of installation