



**NATIONAL INSTITUTE OF TECHNOLOGY  
ROURKELA – 769 008, ODISHA**

**Advertised Tender Enquiry**

**Department: Metallurgical and Materials Engg**

**Tender notification no: - NITR/PW/MM/2019/110**

**Date: 05/04/2019**

To,

**Important Dates**

**Through  
CPP Portal  
(e-procurement)**

<b>Event</b>	<b>Date</b>	<b>Time</b>
Pre-bid Conference	<b>NA</b>	<b>NA</b>
Last Date of submission of bid	<b>26/04/2019</b>	<b>05:00 PM</b>
Date of opening of techno-commercial bid	<b>29/04/2019</b>	<b>11:00 AM</b>

Dear Sir,

We intend to purchase the commodities specified below and invite quotations in accordance with the terms and conditions detailed in the bid document. If you are interested, kindly send your offer with prices and complete terms within the time mentioned above.

For any clarification:

**ATTENTION:**  
Principal Investigator: **Prof. Archana Mallik**  
Department of Metallurgical and Materials Engg  
NATIONAL INSTITUTE OF TECHNOLOGY  
ROURKELA – 769 008, ORISSA

Yours sincerely,

\_\_\_\_\_  
Name: Prof. Archana Mallik  
Principal Investigator  
Project Code : NITR/SR/18/MM/057

**Encl:**

- (1) Schedule of requirement, specifications, dates etc.**
- (2) Bid document containing detail terms and conditions.**

1. **Schedule of requirements**

Item No	DESCRIPTION	Quantity
1	PC controlled Electrochemical workstation (Potentiostat / Galvanostat) <b>(Detailed specification as per attached Annexure – I)</b>	01 Unit

2. **Specifications and allied Technical Details**

\* Attach User list along with the quotation

3. **Format of Quotation** (tick appropriate box)

It is a two part bid with separate techno-commercial and price bids

4. The bid should be submitted through <https://eprocure.gov.in/eprocure/app>

5. Quotations should be valid for a period of **90 days** from the date of opening of techno-commercial bid.

6. **Some important dates:**

i. Pre-bid Conference	Date: NA	Time: NA
ii. Last date for submission of Bid:	Date: <b>26/04/2019</b>	Time: <b>05:00 PM</b>
iii. Date of opening of techno-commercial bid:	Date: <b>29/04/2019</b>	Time: <b>11:00 AM</b>

7. **Warranty** of minimum **02** years must be provided.

8. **GST:** GST should be charge according to applicable rates.

9. **Bid Security and Tender Cost:** Bid Security in shape of DD (Demand Draft) for **INR 16,000/- (Rupees Sixteen Thousand Only)** and Tender Cost (Non- refundable) in the form of DD for **INR 500/- (Rupees Five Hundred Only)** in favor of **Director, NIT Rourkela** Payable at Rourkela from any Scheduled Commercial Bank except Co-operative and Gramin bank. Demand Draft for the Bid-Security should remain valid for a period of **45 days** beyond the bid validity period. Bid security amount of unsuccessful bidders should be return to them at the earliest and latest on or before the **30<sup>th</sup> days** after the award of the contract. **EMD (Earnest Money deposit) and Tender Cost** should reach physically through speed post/ register post/courier, containing in an envelope & superscripted with subject, tender reference number addressing to **Registrar, NIT Rourkela- 769008, Odisha on or before 29/04/2019 at 11:00 AM**

10. **Performance Security:** Not applicable

11. Please go through the enclosed "bid document" carefully for other bidding instructions.

12. Please send your quotations through <https://eprocure.gov.in/eprocure/app>

13. For technical details, you may contact

**Prof. Archana Mallik**

Asst. Professor

Department of Metallurgical and Materials Engg.,

National Institute of Technology, Rourkela - 769 008

Phone: 0661 - 2462558

Fax: +91 - 661 -2462501

E-mail: [archanam@nitrkl.ac.in](mailto:archanam@nitrkl.ac.in)

NB: *Please furnish your Dealership Certificate (must) and Proprietary Nature Certificate (If applicable)*



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ROURKELA – 769 008, ODISHA**

**BID DOCUMENT**

**1. Instructions to the bidders**

- 1.1 Bids are invited on behalf of the Director, National Institute of Technology (NIT), Rourkela – 769 008, Odisha, from the intending bidders for supply of the goods/stores/ equipment for the Institute as detailed in the enquiry letter.
- 1.2 The bidders should quote their offer/rates in **BOQ** in clear terms without ambiguity.
- 1.3 In case of any discrepancy between the rates in figures and that in words, the rate in words will be accepted as correct.
- 1.4 The last date for receipt of the bid is marked in the enquiry.
- 1.5 The bids should be uploaded in <https://eprocure.gov.in/eprocure/app> Please follow the guidelines of the site.
- 1.6 If a prospective bidder requires any clarification in regard to the bidding documents, he may make a request the concerned officer or faculty member at least 15 days before the deadline for receipt of bids.
- 1.7 Each bidder shall submit only one bid. A bidder, who submits more than one bid, shall be disqualified and considered non-responsive.
- 1.8 (In respect of high value plant, machinery etc. of a complex and technical nature). The bids may be submitted in two parts, viz., technical bid and financial bid.
- 1.9 The bidder has to sign in full at all pages of the scanned part of the bidding document. No over-writing in those pages is acceptable.

**2. Conditions of the bid**

- 2.1 The rates quoted should preferably be net, inclusive of packing, forwarding, freight, Insurance and all other incidental charges excluding taxes. In case these charges are quoted extra in addition to the quoted rates, the amount thereof or Ad Valorem rate must be specified. Packing, forwarding, freight, entry tax etc., when quotes separately are reimbursable at actual. If external agencies are employed, their receipts must be enclosed with the invoice.
- 2.2 Duties and Taxes are to be quoted separately. Ad Valorem rates thereof should be clearly indicated with reference to the relevant Acts and Rules.

**It may be noted that the Institute is availing custom duty exemption in terms of notification no 51/96- Customs dt.23.07.1996, Notification no. - 47/2017- Integrated Tax (Rate) dt. 14.11.2017 and Notification No- 45/2017- Central tax (Rate) dt. 14.11.2017[vid Registration No.: TU/V/RG-CDE (227)/2016, dated: 13.11.2018]**

- 2.3 The goods are required to be delivered at the indenting Department of NIT, Rourkela, and must be reached within **70 days** from the date of placement of the supply of order under the risk and arrangement of the bidder and offers with delivery beyond the above period shall be treated as unresponsive. In case the delivery time is higher, the same must be mentioned clearly in the quotation.
- 2.4 The bid should remain valid for a period of **90 days** from the date of opening of techno-commercial bid. In case your offer has a different validity period that should be clearly mentioned in the quotation.
- 2.5 Conditional discount, if any, offered by the bidder shall not be considered at the time of evaluation.
- 2.6 The goods offered should strictly conform to the specification and technical details mentioned in **Annexure-I**.
- 2.7 The Institute may like to conduct pre-dispatch inspection of goods, where applicable.
- 2.8 Period of guarantee/warranty, where applicable, should be specified in the bid.
- 2.9 If the successful bidder, on receipt of the supply order, fails to execute the order within the stipulated period, in full or part, it will be open to the Director, NIT, Rourkela to recover liquidated damage from the firm at the rate of 1 percent of the value of undelivered goods per month or part thereof, subject to a maximum of 5 percent of the value of undelivered goods. Alternatively, it will also be opened to the Director, to arrange procurement of the required goods from any other source at the risk and expenses of the bidder.
- 2.10 The successful bidder may be required to execute a contract, where applicable.
- 2.11 **The bidder has to furnish up to date GST and Income Tax Clearance Certificate along with the bid.**
- 2.12 Payment (100 percent) will be made by Account Payee Cheque/Bank Draft/NEFT/RTGS, within 30 days from the date of receipt of the goods in good condition or receipt of the bill, commissioning of the equipment, and after successful installation and demonstration where ever applicable, whichever is later/latest.
- 2.13 In case of Advance payment, the payment will be made on either in Foreign Demand Draft or Wire Transfer only. The proforma invoice copy need to be sent for advance payment.
- 2.14 In the event of any dispute arising out of the bid or from the resultant contract, the decision of the Director, NIT, Rourkela shall be final.
- 2.15 The bid document/resultant contract will be interpreted under Indian Laws

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

<b>Sl. No.</b>	<b>Description</b>	<b>Specification*</b>
1.	<b><i>Hardware requirement</i></b>	
(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.	<b><i>Software requirement along with analysis tool</i></b>	
(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.	<b><i>Accessories</i></b>	<b><i>Quantity</i></b>
(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.

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