



## Central Purchase unit

### National Institute of Technology Srinagar (J&K) -190006

Fax:- 0194-2420475 email: CPU@nitsri.ac.in

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### Document for Tender Notice No. 28 of 2018 Dated 06 .11.2018.

## **"Tender Notice for Invitation of bids for the supply of Potentiostat for Chemical Engg. Department.**

**-0-0-0-**

1. Sealed Bids are invited for the lab equipment having detailed Specifications as given in Annexure -A. in two bid format on the terms & conditions given at para-2 and onwards:-
2. **Envelope- A (Techno-Commercial Bid) Containing the following documents:-**
  - (a) Proof of original equipment manufacturer/Distributor/ Authorized dealer in the shape of copy of agreement and registration under law as applicable.
  - (c) PAN card of the firm.
  - (d) Tax registration
  - (e) Proof of annual turnover of the firm for last three years which shall not be less than Rs.50.00 lacs to be proved by way of copy of audited accounts and income tax returns of 3 years.
  - (f) Proof of availability of after sale support/service.
  - (g) Bid security for Rs. 70,000/= in the form of CDR/TDR in favour of Officer In-charge, Central Purchase Unit NIT Srinagar (J&K) and tender document fee Rs.1,000/- in the form of DD, in favour of Director, NIT Srinagar. Tender without CDR/document fee shall be rejected.
  - (h) Proof of legal status.
  - (i) Bid format as per Annexure-B, & Technical specifications Schedule as per Annexure-C duly filled by the bidder.
  - (h) List of buyer of the said equipment.
3. **Envelope-B (Price Bid), Containing the following:-**
  - (a) Bid prices must be quoted both in words & figures in Indian Rupees only as per annexure D. The rates quoted should be covered with transparent tape.
  - (b) The rate quoted should be FOR NIT Srinagar (J&K) and firm. No escalation / rate variation requests shall be entertained.
  - (c) Bid price should be without any over writing. However minor over writing should be clearly signed by the bidder. In case of any discrepancy between price quoted in figures and words, the price quoted in words will prevail. Bid price should be firm for the bid validity period.
  - (d) **All duties, taxes and levies ( GST or other charges) payable, must be quoted separately.**
  - (e) **The institute is Exempted from state entry tax and also from Custom/Excise duty. The Institute will provide exemption certificates for this purpose to successful bidder with supply order and also exempted from Custom/Excise duty.**
4. **Validity of Bids**

Bids shall remain valid at least for 120 days from the date of opening of the bids.
5. **Evaluation of Bids.**
  - (a) The purchaser shall evaluate and compare the bids which are found Responsive. i.e
    - (i) Properly signed.
    - (ii) Conform to terms and conditions and technical specifications.
    - (iii) Accompanied with Bid security and all other documents.
  - (b) Bids shall be evaluated separately for each item.
6. **Award of contract**
  - (a) Contract shall be awarded to the bidder whose bid is commercially, technically responsive and offered at lowest evaluated price.
  - (b) Successful bidder shall be notified about the award of the contract through a supply order where in

terms and conditions of supply shall be incorporated.

**7. Payment.**

90% payment shall be released after receipt of equipment by the Indenter at NIT Srinagar in good condition as per prescribed specifications and successful installation/commissioning and training of the staff. 10% of the bill shall be retained as performance security for warranty period.

**8. Warranty and after sale service:**

- (a) All items shall carry comprehensive standard warranty of two years from the date of commissioning and service support after expiry of warranty.

**9. Performance security.**

- (a) Performance security shall be retained for the warranty period.

**10. Settlement of disputes.**

Settlement of disputes if any shall be subject to the jurisdiction of Srinagar Courts only.

**11. Liquidated Damages.**

If the bidder after accepting the purchase order of goods/equipments or services, fails to deliver any or all of the goods/equipments or to perform the services within the specified period, a penalty of 0.50% (half percent) of the price value of the item per week or part thereof shall be imposed. The maximum penalty shall be limited to 10% of the cost. Once maximum is reached NIT Srinagar shall proceed on its own to consider the termination of the supply order, on the risk & responsibility of the defaulting bidder.

**12. Submission of Bids.**

- (a) ***The last date for submission of bids is 28.11.2018 upto 16.00 hours.***

- (b) Bids should be properly sealed.

- (c) The two envelopes A & B should be separately sealed and superscripted as Techno-Commercial Bid & Price Bid, due date of submission, Name of equipment. These two sealed envelopes should be sealed in a bigger Envelope with the address of the Tender receiving Officer & Tender No.

- (d) Bids should be addressed to Officer In-charge, Central Purchase Unit NIT Srinagar (J&K)190006

- (e) Bids not from Srinagar shall be dispatched sufficiently well in advance so as to reach the destination as per scheduled time & date. NIT Srinagar shall not be responsible for any delay by posts Deptt. or Courier agency.

**13. Bid opening.**

- (a) The Technical Bid (Envelope- A) will be opened first on **22.11.2018 at 3.00 P.M** and Price Bid (Envelope-B) of the qualified bidders will be opened subsequently. Interested bidders can attend the Bid opening.

**14. Notwithstanding above, the purchaser reserves the right to reject any or all the bids received in response to this N.I.T. or withdraw it without assigning any reasons thereof.**

Officer In-charge  
Central Purchase unit, NIT Srinagar

N.B.

1. Before preparing your valuable bid kindly go through the document fully and take care of all the requirements.
2. Bidders from outside Srinagar may please send their Bids well in advance so that these are received in time.

**No. NIT/CPU/ /18/ 4402-08**

**Dated 06.11.2018**

**Annexure-A**  
**Technical Specification of workstation**

S.No	Items	Description/ Specifications	Quantity	Delivery period
1	<b>Potentiostat</b>	<p>Compliance voltage: <math>\pm 20</math> V or better at <math>\pm 400</math> mA  Maximum Output Current: <math>\pm 400</math> mA expandable up to 8A  Output Voltage Range: <math>\pm 10</math> V  Current Ranges: smallest current range: <math>\pm 10</math> nA to current range 100 mA in different ranges  Measured current resolution: 40 fA on 10 nA full scale range  Potentiostat Rise/fall Time: 350 ns or lower  Interface: USB interface for connection with PC  Input bias current: <math>&lt; 1</math> pA  Input Impedance of electrometer: <math>&gt;100G\Omega</math></p> <p><b>EIS module:</b>  Hardware and software for EIS measurements in potentiostatic and galvanostatic control, over frequency range of 10 <math>\mu</math>Hz to 1 MHz upto 8 A with booster. Signal generator frequency range 10 <math>\mu</math>Hz - 30 MHz.  Frequency range in 10 <math>\mu</math>Hz - 1 MHz combination with potentiostatgalvanostat.  Frequency resolution-0.003%,  Input range- <math>\pm 10</math> V.  Data presentation: Nyquist, Bode, Admittance, Dielectric, Mott-Schottky, Data analysis: Fit and Simulation, Find circle, Element subtraction.</p> <p><b>Electrochemistry Cell &amp; Electrodes:</b>  50 mL Glass cell-1no.  disc working electrodes with active area diameter 2 mm of GC-1no.  Pt wire Counter electrode.  Ag/AgCl reference electrode double junction type for use in Aqueous and Non-Aqueous media.</p>	1 No.	60 days After date of issue of supply order

		<p>Suitable Lid for the cell and purge tube with valve.</p> <p><b>Electrochemical Software:</b>  Software should have facility to record additional signal viz EQCM, bi-potentiostat etc. Import/export ASCII. Ready-to-use Vis &amp; Generic interface for .Net applications should be included. It should have facility to display up to 4 plots simultaneously. The software should support following basic electrochemical measurements: Cyclic Voltammetry, Sampled DC Voltammetry. Taffel Plots, Differential Pulse Voltammetry, Square Wave Voltammetry. Electrochemical methods like Chrono-Amperometry, Chrono-Coulometry &amp; Chrono-Potentiometry.</p> <p><b>Current Booster:</b>  Current booster to enhance the maximum current of the system. Specifications: Max Compliance Voltage: <math>\pm 20</math> Volts, Maximum Output Potential: <math>\pm 10</math> Volts, Maximum Current: <math>\pm 8</math> Amp, Accuracy: <math>\pm 0.5\%</math>, Operation Mode: Potentiostatic and Galvanostatic.</p> <p><b>Computer &amp; Printer:</b>  Compatible branded PC, Printer , 2KVA Online UPS with one hour back up</p>		
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**(Tender opening format)**  
**(To be filled-in by the Bidder)**

Name of the firm:- \_\_\_\_\_

Tender for supply of \_\_\_\_\_

NIT No. &Date:- \_\_\_\_\_

Technical specification/ literature attached:- Yes/No

Valid tax clearance certificate attached:- Yes/ No

Registration/ Authorization Dealership/  
manufacturer certificate attached:- Yes/ No

Revenue stamp affixed. Yes/ No

Rates covered with transparent tape:- Yes/ No

Bid document fee deposited:- Yes/ No

Call Deposit Receipt enclosed:- Yes/ No.

Bid price in Indian Rupees:- Yes/ No

FOR Srinagar:- Yes/No

Bid without correction/overwriting:- Yes/ No

Seal & Signature of the Supplier.

**Annexure-B**  
**BID FORM**  
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From M/S.....

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To,

Officer In-charge,  
Central Purchase unit, NIT Srinagar.

Ref: NIT No.: NITS/CPU/ 2018-19/..... Dated ..... goods/Equipment for  
.....Department

Sir,

With reference to above invitation for bids we would like to say that we have gone through your bid document thoroughly and hence offer our competitive Technical/Price Bid in sealed envelope for the supply of various goods/equipment listed in your document.

The following documents constitute our Bid.

- (a) Bid form
- (b) Price Bid schedule in the requisite format
- (c) Authorization dealer ship certificate from the manufacturer
- (d) Valid sales tax certificate
- (e) Technical literature for the goods/equipment
- (f) Names of organization where this equipment has been supplied. (Applicable for equipment whose unit price exceeds Rs.2.00 lacks
- (g) Bid security as mentioned in the schedule of requirements in the form of CDR drawn in favour of the Officer In-charge Central Purchase Unit NIT Srinagar.
- (h) Telephone No.....

Kindly feel free for any enquiries and clarifications.

Yours Sincerely

(.....)

From M/S.....

Place.....

Date.....

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**Annexure-C**  
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**Technical specification.**  
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*Name of Equipment /Goods : e.g.,*

*Make /Model/ Country of origin: e.g.....*

S. No.	Technical Specifications (as per. NIT/CPU/Advertised)	Technical Specifications of the Make /Model	Complies	Higher/Better (with detail quantification)	
				Higher/Better	Quantification
1			Yes	----	
2					
3					
4					
5					





