

INVITATION FOR QUOTATION

TEQIP-II/2017/ntst/Shopping/1

30-Oct-2017

To,

Sub: Invitation for Quotations for supply of Goods

Dear Sir,

1. You are invited to submit your most competitive quotation for the following goods with item wise detailed specifications given at Annexure I,

Sr. No	Brief Description	Quantity	Delivery Period(In days)	Place of Delivery	Installation Requirement (if any)
1	Electro-chemical Work-station	1	30	Ravangla	NA

2. Government of India has received a credit from the International Development Association (IDA) towards the cost of the **Technical Education Quality Improvement Programme[TEQIP]-Phase II** Project and intends to apply part of the proceeds of this credit to eligible payments under the contract for which this invitation for quotations is issued.
3. Quotation,
 - 3.1 The contract shall be for the full quantity as described above.
 - 3.2 Corrections, if any, shall be made by crossing out, initialing, dating and re writing.
 - 3.3 All duties and other levies payable by the supplier under the contract shall be included in the unit price.
 - 3.4 Applicable taxes shall be quoted separately for all items.

3.5 The prices quoted by the bidder shall be fixed for the duration of the contract and shall not be subject to adjustment on any account.

3.6 The Prices should be quoted in Indian Rupees only.

4. Each bidder shall submit only one quotation.

5. Quotation shall remain valid for a period not less than **30** days after the last date of quotation submission.

6. Evaluation of Quotations,

The Purchaser will evaluate and compare the quotations determined to be substantially responsive i.e. which

6.1 are properly signed ; and

6.2 confirm to the terms and conditions, and specifications.

7. The Quotations would be evaluated for all items together.

8. Award of contract:

The Purchaser will award the contract to the bidder whose quotation has been determined to be substantially responsive and who has offered the lowest evaluated quotation price.

8.1 Notwithstanding the above, the Purchaser reserves the right to accept or reject any quotations and to cancel the bidding process and reject all quotations at any time prior to the award of contract.

8.2 The bidder whose bid is accepted will be notified of the award of contract by the Purchaser prior to expiration of the quotation validity period. The terms of the accepted offer shall be incorporated in the purchase order.

9. Payment shall be made in Indian Rupees as follows:

Delivery and Installation - 90% of total cost

Satisfactory Acceptance - 10% of total cost

10. All supplied items are under warranty of **24** months from the date of successful acceptance of items.

11. You are requested to provide your offer latest by **17:00** hours on **21-Nov-2017** .

12. Detailed specifications of the items are at Annexure I.

13. Training Clause (if any) **NA**
14. Testing/Installation Clause (if any) **Installation Required**
15. Information brochures/ Product catalogue, if any must be accompanied with the quotation clearly indicating the model quoted for.
16. Sealed quotation to be submitted/ delivered at the address mentioned below,

17. We look forward to receiving your quotation and thank you for your interest in this project.



Dr. Achintesh Narayan Biswas
Nodal Officer (Procurement), TEQIP-III, NIT Sikkim

Annexure I

Sr. No	Item Name	Specifications
1	Electro-chemical Work-station	<p>Electrochemical Workstation with Electrochemistry</p> <p>Potentiostat</p> <ul style="list-style-type: none"> • 2- or 3 or 4 electrode configuration • Maximum potential: ± 10 V or better • Maximum current: ± 250 mA continuous (sum of two current channels) or better • Compliance Voltage: ± 12 V or better • Potentiostat rise time: < 2 μs or better • Applied potential resolution: 0.015% of potential range or better • Applied potential accuracy: ± 2 mV • Measured current resolution: minimum 0.5 fA • Current measurement accuracy: 0.2% • Input bias current: < 20 pA CV and LSV scan rate: up to 10,000 V/s, two channels simultaneously or better <p>Features</p> <ul style="list-style-type: none"> • Automatic and manual iR compensation • Current measurement bias: full range with 16-bit resolution, 0.003% accuracy • External potential input • Potential and current analog output • Digital input/output lines programmable through macro command • Flash memory for quick software • Serial port or USB able for data communication • CV simulation and fitting program, user-defined mechanisms <p>Techniques</p> <ul style="list-style-type: none"> • Cyclic Voltammetry (CV) • Linear Sweep Voltammetry (LSV) • Chrono Amperometry (CA) • Chrono Coulometry (CC) • Bulk Electrolysis with Coulometry (BE) • Open Circuit Potential – Time (OCPT) • Limited version of CV simulator • IR Compensation • External Potential Input • Auxiliary Signal Measurement Channel <p>Software for data collection</p> <p>Licensed & Full version of software for Electrochemistry & all the techniques mentioned above. Up gradation of software should be made as and whenever</p>

required. Software provision for measurement of I-V measurements, I max, Pmax, Fill factor etc are needed.

Electrochemical cells

Four glass cells with a cell stand and cell top

- Pt Working Electrode-1No
- Ag/AgCl reference (aq)-1No
- Pt wire counter electrode-1No

Coulometry Cell

Cell assembly includes Teflon cell cap:

- Voltammetry, spectral cum coulometry cell
- Pt.flag counter electrode
- Pt.wire guage WE for coulometry

RDE/RRDE

System should be Operable as RDE and RRDE when required. Remote- and manual-controlled rotation and gas purge. Small sample volume (up to 10 - 15 mL). Gas line connector should be available. Cell lead connects to all Potentiostat should be available. Open architecture for easy access to cell, Compact design & easy operation

Specifications

- Rotational range: 100 to 8,000 rpm
- Setting resolution: 1 rpm
- Accuracy: <0.1%
- Rotation control type: PLL (Phase-locked loop)
- Band width: 60 Hz at 3,500 rpm base and 1,000 rpm peak-to-peak modulation or better
- Power: 100-240 VAC, 50/60 Hz
- Operating temperature: 10 to 50°C

Accessories

- Sample vial (100 mL)
- Spin coating adaptor
- Male connector for gas purge (PP)
- TYGON tubing, OD1/4 x ID1/8
- RRDE-Silicon sheet 100 x 180 mm
- O-ring for RRDE-3A shaft assembly - 3pcs
- O-ring for RRDE-3A Bearing assembly - 3pcs
- RDE GCE Glassy carbon Disk Electrode(Disk: ID:3.mm , Length: 25mm) – 1 No
- RRDE Pt Ring/GC Disk Electrode(Ring: OD:7mm,ID:5.mm,Disk: ID:4.mm , Length: 25mm) – 1 No
- Power supply cable
- Instruction manual

		PC Core- i5 Processor, 4GB RAM, 1TB Hard Drive, 19'' LED Monitor, DVD Writer, Keyboard, Mouse.
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FORMAT FOR QUOTATION SUBMISSION

(In letterhead of the supplier with seal)

Date: _____

To:

Sl. No.	Description of goods (with full Specifications)	Qty.	Unit	Quoted Unit rate in Rs. (Including Ex Factory price, excise duty, packing and forwarding, transportation, insurance, other local costs incidental to delivery and warranty/ guaranty commitments)	Total Price (A)	Sales tax and other taxes payable	
						In %	In figures (B)
Total Cost							

Gross Total Cost (A+B): Rs. _____

We agree to supply the above goods in accordance with the technical specifications for a total contract price of Rs. _____ (Amount in figures) (Rupees _____ amount in words) within the period specified in the Invitation for Quotations.

We confirm that the normal commercial warranty/ guarantee of ————— months shall apply to the offered items and we also confirm to agree with terms and conditions as mentioned in the Invitation Letter.

We hereby certify that we have taken steps to ensure that no person acting for us or on our behalf will engage in bribery.

Signature of Supplier

Name: _____

Address: _____

Contact No: _____