

**OFFICE OF THE REGISTRAR :: DIBRUGARH UNIVERSITY  
DIBRUGARH :: ASSAM  
PIN: 786 004**



**BID DOCUMENT**

**FOR**

**NAME OF THE WORK: Supply, Installation and Commissioning of Equipment (Amott Cell and Multiparameter Electrochemistry Meter) at Department of Petroleum Engineering, DUIET, Dibrugarh University for SERB SURE Project.**

**TENDER No: DU/NIT-2024/File-VII/213 dated 13/02/2024**

# CUT-OUT SLIP

**NAME OF THE WORK:** Supply, Installation and Commissioning of Equipments (Amott Cell and Multiparameter Electrochemistry Meter) at Department of Petroleum Engineering, DUIET, Dibrugarh University for SERB SURE Project.

**TENDER No:** DU/NIT-2024/File-VII/213 dated 13/02/2024

**SUBMISSION DUE DATE & TIME** :15/03/2024up-to 11.30 A.M.

**FROM:**

NAME:  
ADDRESS

**TO:**

THE REGISTRAR  
DIBRUGARH UNIVERSIITY  
DIBRUGARH, ASSAM

(To be pasted on the outer envelope containing "Technical"& "Commercial" bids



**OFFICE OF THE REGISTRAR :: DIBRUGARH UNIVERSITY :: DIBRUGARH**

No. DU/NIT-2024/File-VII/213

Date:13/02/2024

**Tender Notice**

Sealed Tenders are invited from reputed manufactures/authorized dealers/suppliers for **Supply of Equipments at Department of Petroleum Engineering, DUIET, Dibrugarh University for SERB SURE Project.**Detailed specification of the items, terms & conditions etc are given at Part-B. Last date of submission of Tender with all relevant papers is **15/03/2024 up-to 11:30 A.M.**to be submitted at the Office of the Registrar, Dibrugarh University, Dibrugarh, Assam.

Availability of Bid papers	From 13/02/2024
Last date for receipt of Bid	15/03/2024 upto 11.30A.M.
Time & Date of opening of Bid	15/03/2024 at 02:30 P.M.
Place of opening of Bid	Office of the Registrar, DU
Cost of Tender Document	1000/-(Non refundable) + 18% GST
EMD	Rs. 25,000.00

The tender should be submitted in two separate sealed envelopes *i.e.* **Part - I TECHNICAL BID** and **Part – II FINANCIAL BID**. The technical bid shall be opened on above mentioned date and time and the financial bid of only those bidders who qualify in technical bid shall be opened on the same date or at a later date which shall be intimated to the tenderer whose technical bid are found to be valid. Dibrugarh University reserves all the rights to reject any or all the tenders without assigning any reason thereof.

Sd/-  
**Registrar**  
Dibrugarh University

**Copy to:**

1. The Chairperson, Tender Opening Committee, D.U. for information.
2. The Deputy Registrar (F&A) i/c, D.U. for information.
3. The Programmer, D.U., with a request to upload the NIT at D.U. website.
4. Office File

Sd/-  
**Registrar**  
Dibrugarh University

## **PART A - TERMS AND CONDITIONS**

### **GENERAL INFORMATION**

The tender bids duly complete in all respects, along with the necessary documents should be submitted to the Registrar, Dibrugarh University, Assam. The Technical Bids so received, shall be opened on **15/03/2024 at 02:30 P.M.** in the Office of the Registrar, Dibrugarh University in the presence of the representatives of the bidders. The Financial Bids of the tenderers shall be opened on the same date or at a later date to be intimated to the tenderers whose Technical Bids are found to be valid. Right to reject any or all Tenders, without assigning any reason thereof is reserved by Dibrugarh University.

### **Terms and Conditions of Supply:**

#### **Qualifying Criteria:**

- i. The bidder should be a manufacturer of nationally / internationally reputed brand or its authorized dealer / distributor. Either the bidder or the manufacturer shall have experience in dealing with the similar kind of supply and installation at central govt./ state govt. / institute of national importance / educational & research institutes for last three years. A copy of the purchase orders received from any of the institutes during the last three years along with satisfactory completion certificate from the user (s) should be submitted.
  - ii. All the quotations must be supported by technical leaflet/ literature and the specifications mentioned in the quotation must be reflected / supported by such technical leaflet / literature.
  - iii. Dealers or agents quoting on behalf of manufacturer must submit valid authorization certificate.
2. The last date and time for the submission of the bids is **15/03/2024 up-to 11:30 A.M.**
3. Suppliers shall submit the following documents along with their quotations:
- i) VAT/TIN/GST Registration No.
  - ii) Technical specifications offered by the Supplier.
  - iii) The bidder must submit a detailed compliance statement clearly mentioning compliance with the specifications mentioned in the NIT document and deviation if any.
  - iv) Technical literature regarding the offered products including pictures/sketch/diagrams etc.
4. The rates should be mentioned in the **FINANCIAL BID** attached with the Tender Document as **ANNEXURE-II**. Each page of the tender shall be signed in full and stamped with the seal by the supplier. The supplier must clearly state in what capacity he/she is signing the Tender.
5. The supplier shall submit the tender in 02 (two) envelopes. The first envelope (Technical Bid) shall contain all the following documents and be sealed.
- Filled in Format Technical Specifications/Literature
  - Valid copy of Trade License or Certificate of Incorporation or Partnership Deed.
  - PAN Card,
  - Registration certificate of GST,
  - Dealership/Manufacturing/Small Scale Industry (SSI) Certificate (if any)
  - The cost of tender of Rs. 1000.00 (Non refundable) + 18% GST, along with the Earnest Money of Rs. 25,000.00 (Rupees Twenty Five thousand) only in the form of Demand Draft/Bankers Cheque in favour of the Registrar, Dibrugarh University, Assam payable at Dibrugarh University.
  - The Firm(s) who are registered with MSME, National Small Industries Corporation (NSIC) /OR Small Scale Industries (SSI) are exempted to submit the Tender Cost/EMD. However, a copy of registration must be provided along with Technical Bid.
6. Supplier should read carefully all the instructions and terms and conditions, etc before registering

rates in prescribed schedule of the tender. Taxes and duties etc. should be shown separately.

7. The Technical Documents shall be opened, at **02:30 P.M. on 15/03/2024** or on the next working day if the offices of the University remain closed due to any reason.

8. Technical specifications of the instruments/equipments are given in **Annexure I** to these papers (Part B).

9. The delivery and installation should be completed within 1 month or as specified from placing of the order. No extension shall be granted to the contractors/suppliers for the period of delivery, under any circumstances.

10. If the supplier fails to deliver the article as per the delivery schedule, the University shall be free to procure the balance/undelivered supply, at the risk and cost of the supplier, from other such suppliers.

11. The goods, articles, materials supplied by the supplier shall be accepted after inspection by an officer authorized by the competent authority. No articles/materials which do not conform to the specifications laid down in the terms and conditions or damaged in transit shall be accepted.

12. The bills of the suppliers shall be paid by the University after all the materials/articles/equipments have been received and installed, inspected as above.

13. Vendor must submit Compliance statement in tabular form comparing each specification of the quoted item with that given in the Tender Document **Annexure III**

14. The tendering firm must provide proof of documents for executing similar works earlier.

15. In the event of any breach of the terms and conditions of the supply, the University may terminate the contract placed with the supplier and forfeit the security deposit of the supplier.

16. Whether OEM or Authorized Distributor/ Dealer a letter or a valid certificate of authorization of manufacturer shall be enclosed.

17. Copy of product literature and catalogue, testing report, BEE rating, ISO etc.

18. The quantity as mentioned at Part-B (Specifications) may be increased or decreased at the time of placing Order as per requirement.

19. Tenderers are advised to study all technical and commercial aspects, instructions, forms, terms and specifications carefully in the tender document. Failure to furnish all information required in the Tender Document or submission of a bid not substantially responsive to the Tender document in every respect will be at the tenderer's risk and may result in the rejection of the bid.

20. The Bidder should not have been blacklisted in anywhere in India or abroad. A self –declaration letter by the Bidder on the company's letter head should be submitted along with technical bid.

21. This tender document is not transferable.

**Note:**

- (a) Tenderers are advised to read carefully the Terms and Conditions of supply before recording the rates in this Schedule.
- (b) No erasures or overwriting shall be allowed, unless they are authenticated under the full signature and the seal of the tenderer.
- (c) The University reserves the right to:
  - (i) Accept/reject any/all tenders without assigning any reason thereof.
  - (ii) Revise the quantities at the time of placing the order without change in the rate quoted by the bidder.
  - (iii) Add/modify/relax or waive any of the conditions stipulated in the tender document whenever deemed necessary
  - (iv) Award the contract to one or more tenderers for the items covered by the tender.

<b>ITEM No</b>	<b>DESCRIPTION OF GOODS WITH DETAILS OF SPECIFICATIONS</b>	<b>Unit Price</b>	<b>Taxes</b>	<b>Qty.</b>	<b>Total Amount</b>
1					
2					
3					

**Signature of the Tenderer**  
**Seal of the Firm**

**Part-B (Specification)****Supply, Installation and Commissioning of Equipments (Amott Cell and Multiparameter Electrochemistry Meter) at Department of Petroleum Engineering, DUIET, Dibrugarh University for SERB SURE Project.**

SL No.	Description
1	<p><b><u>AMOTT CELLS</u></b>  Thread Bottom,  14/20Joint on Top of Neck.  20ml Graduations in 0.1mlincrements.  External Thermo well, for 3.81cm (dia) x7cm (length) Core Samples.  Amott Cell ADAP PTFE#50  14/20mediumLGStopper  Temperature Controller, JKEM 310: J-Srange: 1 to 8000C  Sensor Wire, J, JKEM, 72 inch</p>
2	<p><b><u>DIGITAL ELECTROCHEMISTRY METER WITH ION SELECTIVE ELECTRODES</u></b></p> <ul style="list-style-type: none"> <li>• Must be able to measure pH/ORP/Ion/Conductivity/Resistivity/TDS/Salinity/Temp (°C/°F) in one machine.</li> <li>• 5" Digital, custom LCD display with backlight</li> <li>• 01 pieces refillable dual junction electrode dome shaped tip made of toupH glass with built-in auto temperature compensation probe (ATC), BNC phono jack.</li> <li>• Plastic body titanium-platinum black K=1, conductivity cell with integrated automatic temperature compensation sensor probe.</li> <li>• 360 degree rotational arm with electrode stand which must accommodate 2 electrodes at a time with breaks to adjust height smoothly so as to avoid any damage of electrode accidentally.</li> <li>• All the integral parts of instrument like electrodes, buffer solutions, and attachments are from the same manufacturer.</li> <li>• -2.000 to 20.000 pH range.</li> <li>• 0.1, 0.01, &amp; 0.001 pH resolutions.</li> <li>• USA, NIST, NIST2, DIN, and Custom pH buffer groups.</li> <li>• Up to 6 pH calibration points.</li> <li>• Offset, segment and average slopes data after pH calibration.</li> <li>• Adjustable calibration alarm up to 90 days.</li> <li>• -2000.0 to +2000.0 mV range with ORP calibration option must be available for future up gradation.</li> <li>• Up to 5 user-defined ion calibration points.</li> <li>• Segment and average slopes data after ion calibration.</li> <li>• Up to 2.000 S/cm conductivity range.</li> <li>• Adjustable reference temperature: 15 to 30 °C.</li> <li>• Adjustable temperature coefficient: 0.00 to 10.00 % per °C.</li> <li>• Accepts 0.0700 to 13.000 cell constant.</li> <li>• Allows auto and manual conductivity calibrations.</li> <li>• Up to 5 conductivity calibration points.</li> <li>• Auto ranging S/cm and S/m conductivity units.</li> <li>• mg/L to 100 g/L TDS range.</li> <li>• Pre-programmed TDS curves: Linear (0.40 to 1.00 TDS factor), EN27888, 442, &amp; NaCl.</li> <li>• 0 to 20.0 MΩ.cm resistivity range.</li> <li>• Upto 100.0 ppt and 0.00 to 10.00 % salinity ranges.</li> <li>• Pre-programmed salinity curves: NaCl and seawater.</li> <li>• -30.0 to 130.0°C / -22.0 to 266.0°F temperature range with calibration option.</li> <li>• Auto stable, auto hold, and real time measurement modes.</li> </ul>

- Electrode status, temperature, and reading stability indicators should be viewable .
- Large memory accepting up to 2000 data sets with date/time stamp.
- Auto data log function with adjustable time interval.
- Real time clock facilitating time-dependent functions.
- Adjustable auto shut-off time up to 30 mins.
- Password protected set-up mode for security, Software upgrade capability.
- Must contain 200ml or more each of buffer solution USA: 4.01, 7.00, 10.01 & KCL 3.33M solutions.
- Must contain 200ml or more each of EC buffer solution (84 uS/cm; 1413 uS/cm; 12.88 uS/cm; 111.8 uS/cm solutions for calibration).

**Must be supplied with 3 (three) ion selective electrodes with specifications as follows:**

- Overall Ion range: 0.000 µg/L to 9999 g/L in meter with 3 selectable units of measurement.
- Overall Ion units: µg/L,mg/L, g/L, ppm,ppt, mmol/L,mol/L
- Overall Resolution: ± 0.3% full scale or ± 0.2 mV, whichever is higher.

Calcium ion (Ca<sup>2+</sup>) electrode set should include

- Temperature range: 0-50 degree C.
- Measurement range: 0.5 - 40,000mg/L Calcium (10<sup>-5</sup> to 1 mol/L Ca<sup>2+</sup>)
- calcium electrode tip, 2pcs
- 1000mg/L calcium ion standard solution, 50ml-100ml
- 100mg/L calcium ion standard solution, 50ml-100ml
- calcium electrode filling solution, 50ml-100ml
- calcium ionic strength adjustor, 50ml-100ml
- syringe, dropper, protective pipe, manual

Chloride ion (Cl<sup>-</sup>) electrode set should include

- Temperature range: 0-50 degree C.
- Measurement range: 0.40 - 35,000mg/L Chloride (10<sup>-5</sup> to 1 mol/L Cl<sup>-</sup>)
- Chloride electrode tip.
- 1000mg/L chloride ion standard solution, 50ml-100ml
- 100mg/L chloride ion standard solution, 50ml-100ml
- Chloride electrode filling solution, 50ml-100ml
- Chloride ionic strength adjustor, 50ml-100ml
- syringe, dropper, protective pipe, manual

Potassium ion (K<sup>+</sup>) electrode set should include

- Temperature range: 0-50 degree C.
- Measurement range: 0.40 - 35,000mg/L potassium (10<sup>-5</sup> to 1 mol/L K<sup>+</sup>)
- Potassium electrode tip.
- 1000mg/L Potassium ion standard solution, 50ml-100ml
- 100mg/L Potassium ion standard solution, 50ml-100ml
- Potassium electrode filling solution, 50ml-100ml
- Potassium ionic strength adjustor, 50ml-100ml
- syringe, dropper, protective pipe, manual

Signature: .....

Date.....

Name :.....

Address :.....

.....

.....

Mobile No.....

**ANNEXURE-II**

To

The Registrar  
Dibrugarh University  
Dibrugarh

Ref: NIT no. ....dated.....

Sub: Financial Bid

Sir,

In reference to the NIT cited above, the undersigned would like to submit the Financial Bid as per the unit price, taxes, quantity *etc.*

<b>Item No.</b>	<b>DESCRIPTION OF GOODS WITH DETAILS OF SPECIFICATIONS</b>	<b>Qty.</b>	<b>Per Unit Price (INR)</b>	<b>GST (INR)</b>	<b>Total Amount (INR)</b>
01					
02					
03					

This is for your kind perusal and acceptance please.

Signature

Seal

Date:

Place:

**COMPLIANCE SHEET**

**Supply, Installation and Commissioning of Equipments (Amott Cell and Multiparameter Electrochemistry Meter) at Department of Petroleum Engineering, DUIET, Dibrugarh University for SERB SURE Project.**

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1	<p><b><u>AMOTT CELLS</u></b>            Thread Bottom,            14/20Joint on Top of Neck.            20ml Graduations in 0.1mlincrements.            External Thermowell, for 3.81cm (dia) x7cm (length) CoreSamples.            Amott Cell ADAP PTFE#50            14/20mediumLGStopper            Temperature Controller, JKEM 310: J-Srange: 1 to 8000C            Sensor Wire, J, JKEM, 72 inch</p>	
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- 0 to 20.0 MΩ.cm resistivity range.
- Upto 100.0 ppt and 0.00 to 10.00 % salinity ranges.
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- Password protected set-up mode for security, Software upgrade capability.
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- Measurement range: 0.40 - 35,000mg/L Chloride (10<sup>-5</sup> to 1 mol/L Cl<sup>-</sup>)
- Chloride electrode tip.
- 1000mg/L chloride ion standard solution, 50ml-100ml
- 100mg/L chloride ion standard solution, 50ml-100ml
- Chloride electrode filling solution, 50ml-100ml
- Chloride ionic strength adjustor, 50ml-100ml
- syringe, dropper, protective pipe, manual

Potassium ion (K<sup>+</sup>) electrode set should include

- Temperature range: 0-50 degree C.
- Measurement range: 0.40 - 35,000mg/L potassium (10<sup>-5</sup> to 1 mol/L K<sup>+</sup>)
- Potassium electrode tip.
- 1000mg/L Potassium ion standard solution, 50ml-100ml
- 100mg/L Potassium ion standard solution, 50ml-100ml
- Potassium electrode filling solution, 50ml-100ml
- Potassium ionic strength adjustor, 50ml-100ml
- syringe, dropper, protective pipe, manual

**ANNEXURE-IV****TECHNICAL BID - CHECK LIST**

<b>Sl. No</b>	<b>Particulars</b>	<b>Mention 'Yes' / 'No'</b>
1.	Whether "Technical Bid" & "Financial Bids" submitted separately and the respective envelopes superscribed properly	
2.	Whether Tender Fee submitted? (if applicable).	
3.	Whether EMD submitted? (if applicable)	
4.	Whether MSME/NSIC/SSI certificate submitted? (in case of seeking Exemption)	
5.	Whether copy of PAN submitted?	
6.	Whether valid Trade License or Certificate of Incorporation or Partnership Deed submitted?	
7.	Whether GST regn. Certificate provided?	
8.	Whether dealership/OEM certificate provided?	
9.	Whether detailed compliance sheet submitted?	
10.	Whether technical specification/ Literature provided?	
11.	Whether declaration regarding Non-Blacklist of Bidder/OEM anywhere in India or abroad on Bidders Letterhead submitted?	

All above enclosures must be valid (wherever applicable)

Date:

Name & Signature of the tenderer with  
seal

Place:

Note: Tenders not accompanied with above information & documents in support of the same may be summarily rejected.