

**Department of Physics,  
University of Mumbai,  
(UDPMU),**



Department of Physics, University of Mumbai, Lokmanya Tilak Bhavan, 3<sup>rd</sup> Floor,  
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Tender Document for

**Potentiostat/Galvanostat**

No: UDPMU / Tender / 03 / 2013 - 2014

Date: **November 11<sup>th</sup>, 2013**

Part A - Terms and Conditions

Part B – Specifications

Deposit: Rs. **500/-** (non refundable)

Important Dates:

Period of Sale of Tender Document	<b>November 11<sup>th</sup>, 2013 to November 26<sup>th</sup>, 2013 between 10:30 am to 5:30 pm</b>
Last Date of Receiving sealed Bids/Tenders:	<b>November 27<sup>th</sup>, 2013 at 4.00 pm</b>



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# Terms and Conditions

Department of Physics,  
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Kalina Campus, Vidyanagari,  
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Mobile: +91 - 9892854698

UDPMU / Tender / 03 / 2013 - 2014  
Date: November 11<sup>th</sup>, 2013

Sealed Tender bids for the purchase of **Potentiostat / Galvanostat** for Department of Physics, University of Mumbai are invited for and on behalf of University of Mumbai by the Head, Department of Physics, University of Mumbai.

Tender Documents containing terms and conditions and technical specifications of the equipment are available in the Office of The Head, Department of Physics, University of Mumbai, Vidyanagari, Santacruz (E), Mumbai 400 098, on all working days between 10.30 a.m. to 5.30 p.m. from November 11<sup>th</sup>, 2013 to November 26<sup>th</sup>, 2013 by paying Rs.500/- (Rs. Five Hundred Only) in Cash / Demand Draft from any Scheduled Bank/Nationalized Bank, drawn in favor of **“Finance and Accounts Officer, University of Mumbai”**. Terms & Conditions and Technical Specifications can also be downloaded. In case, the Tender document is downloaded from the website, the Tender Document Fee of Rs. 500 /- should be enclosed in the Technical Bid Envelope, in the form of a Demand Draft from any Nationalized Bank, drawn in favour of **“Finance and Accounts Officer, University of Mumbai”**. The Tender bids duly complete in all respects, along with the necessary documents and EMD of Rs 10,000/- (**Rs. Ten Thousand Only**) should be submitted to **The Head, Department of Physics University of Mumbai, Vidyanagari, Santacruz (E), Mumbai 400 098 On or Before November 27<sup>th</sup>, 2013 at 4.00 pm.**

The Tender bids so received shall be opened on a Schedule and Venue to be Arranged later in the presence of the Representatives of the Suppliers. The names of Shortlisted Tenders shall be announced on the website after Scrutinizing the Technical bids and Evaluating their Suitability to meet the University requirements. Right to Reject any or all Tenders without Assigning any Reason Whatsoever, is Reserved by the University of Mumbai.

Signed

Professor Dr. Vaishali A. Bambole,  
Professor of Physics,  
Department of Physics,  
University of Mumbai,  
Dynaneshwar Bhavan, 2<sup>nd</sup> Floor,  
Kalina Campus, Vidyanagari,  
Santacruz (E), Mumbai, 400 098, India.

## Terms and Conditions of Supply

The Tender Document along with Terms & Conditions are Available for Sale from November 11<sup>th</sup>, 2013 to November 26<sup>th</sup>, 2013 in the office of **The Head, Department of Physics, University of Mumbai, Kalina Campus, Vidyanagari, Santacruz (E), Mumbai 400098** during office hours from **10.30am To 5.30.pm** by paying the tender fee of **Rs 500/-** Either in Cash or by a Demand Draft by Any Scheduled Bank / Nationalized Bank Drawn in Favor of “Finance and Accounts Officer, University of Mumbai”. The Tender Fee is Non-Refundable. The Sealed Tender / Bid, Completed in all respects, will be Accepted **up to November 27<sup>th</sup>, 2013 at 4.00 pm** in the Office of The Head, Department of Physics, University of Mumbai, Lokmanya Tilak Bhavan, 3<sup>rd</sup> Floor, Kalina Campus, Vidyanagari, Santacruz (E), Mumbai 400 098, India.

1. Tenderer /Bidders shall Submit the following Documents along with their Tender in the Technical Bid Envelope (i.e. Envelope No: 1).

(a) Income-Tax Clearance Certificate from the Income-Tax Officer concerned, Certifying that the Tenderer has cleared all the Income-Tax Dues.

(b) Tenderers should Either be a Manufacturer or Authorized Dealer of the Said Equipment and should submit Proof for the Same. Also, the Tenderers should state Whether they are a Proprietary Firm, Partnership Firm or a Private / Public Limited Company and should Furnish Proof of the Same. If the Tenderer is a Partnership Firm, the Necessary Partnership Deed, Disclosing the Names of all Partners and their Interest in the firm shall be Enclosed.

(c) Tenderer should Enclose the List of the Names of the Organizations and Laboratories to which Similar Equipment has been Supplied and a Certificate to the Effect that the Performance of the Supplied Equipment was Satisfactory.

(d) The Tender Document must be Accompanied by Earnest Money Deposit (EMD) of Rs 10,000/- (Rs. Ten Thousand Only). Earnest Money Deposit should be in the form of a Demand Draft Drawn in the favor of “**Finance and Accounts Officer, University of Mumbai**” on any Scheduled / Nationalized Bank, Payable at Mumbai.

(e) In Case, the Tender Document is Downloaded from the Website, the Tender Document Fee of Rs. 500/- (Rs Five Hundred Only) should be Enclosed in the Form of a Demand Draft from any Scheduled / Nationalized Bank drawn in the favor of “**Finance and Accounts Officer, University of Mumbai**”.

(f) VAT Registration Number.

(g) Technical Specifications Offered by the Supplier.

(h) Technical Compliance Table.

(i) Proprietary Certificate.

(j) The Authority to Sign to Tender Document shall be Submitted Invariably by the Tenderer.

2. The Rates should be Mentioned in the Schedule Attached with the Tender Document. Each page of the Tender shall be Signed in Full and Stamped with the Seal by the Tenderer. The Tenderer must clearly State in what Capacity he or she is Signing the Tender (This should be placed in the Financial Bid Envelope i.e. Envelope No: 2)

3. The Tenderer shall Submit the Tender in Two Envelopes. The First Envelope (Technical Bid) should contain all the Documents Referred to in the Paragraph One Above and Sealed. The Second Envelope (Financial Bid) should contain the Schedule, in which the Tenderer shall Register the Rates of the Equipment. The Second Envelope should also be Sealed. Both the Envelopes should then be put Together, and should be Sealed in an Envelope, and should Prescribe The Date and the Time. The Technical Bid Envelope shall be Opened First to Ensure that the Tenderer has Submitted all the Requisite Documents. If the Technical Bids are found not in Order or are Deficient in some respect, the Financial Bids in respect of such Tenders shall not be Opened. The Date and the Time of Opening the Financial Bids shall be Announced immediately after Opening all the Technical Bids.

4. Tender Bids not Accompanied by the Requisite Amount of Earnest Money Deposit are Liable to be Rejected.

5. The Earnest Money Deposit paid by the Supplier shall be Forfeited, if the Supplier Fails to pay the Necessary Security Deposit in the Event of his Tender being Accepted.

6. Bidder should read carefully all the Instructions and the Terms and Conditions before Registering Rates in the Prescribed Schedule of the Tender. Price Registering in the Schedule of Price should be Inclusive of all Taxes and Duties. The Rate / Price quoted shall be C.I.P / C.I.F Mumbai and should reach the Office of The Department of Physics, University of Mumbai or as Directed in the Order.

7. The Offers made by the Tenderers should be valid for 120 days after the Last Date for the Submission of the Tender.

8. The Technical Documents shall be Opened for those Bids for which a Minimum of Three Bidders have participated. The Technical Documents shall be opened on a Schedule and at a Venue to be Arranged Later. The Tenderers or their Authorized Representatives shall be allowed to be Present at the Time of the Opening of the Tenders. Financial Bids of only the Qualified Tenderers shall be Opened. The Date and Time of Opening the Financial Bids shall be Announced after Opening and Evaluating all the Technical Bids.

9. In Case of Imported Items / Equipments, the Rates should be Quoted in the Light of the Exemptions Enjoyed by Educational Institutions. University is Exempted from the Payment of Octroi and the necessary Certificate / Form can be Issued by the University.

10. Technical Specifications of the Instruments / Equipments / Articles are given in the Annexure to these Papers (i.e. Part B).

11. The Delivery, Installation & Operational Training of the Instruments / Equipment should be Completed within 3 Months from the Placing of the Order in the case of the Imported Equipment and within 15 Days if the Instrument / Equipment is made in India. No Extension shall be Granted to the Contractors / Suppliers for the Period of Delivery, under any Circumstances.

12. If the Supplier fails to Deliver the Article as per the Delivery Schedule, the University of Mumbai shall be Free to Procure the Balance / Undelivered Supply, at the Risk and the Cost of the Supplier, from other such Suppliers

13. The Goods, Articles, Materials Equipment 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.

14. The Bills of the Suppliers shall be Paid by the University of Mumbai after all the Materials / Articles / Equipments have been Received and Inspected and found in Good Condition as Mentioned Above.

15. Vendor must submit Compliance Statement in Tabular Form comparing each Specification of the Quoted Item with that given in the Tender Document (Part B). The Vendor must also supply a Soft Copy of the Table only in Microsoft "Word" Format.

16. If the Equipment is Imported and Requires PC, Printer and other Peripherals, they can be Bought from India and should be of an International Brand such as HP. The Monitor should be LCD / TFT Screen. The Printer should be LaserJet Printer. The Processor should be the Latest Intel Processor. The Amount Quoted for the Items Bought in India, their Installation and Servicing can be Quoted in Indian Rupees and the Imported Items can be Quoted in Foreign Currency.

17. As the Suppliers shall be Responsible for the Supply and the Installation (Wherever Necessary) of the Equipment in Mumbai, the Cost towards Insurance until Destination in the University, shall be Borne by the Suppliers.

18. In the event of any Breach of the Terms and Conditions of the Supply, the University of Mumbai may Terminate the Contract placed with the Supplier, Forfeit the Security Deposit of the Supplier and make Alternative Arrangements for the Procurement of Supplies at the Risk and the Cost of the Supplier.

19. Proprietary Certificate, if any, should be Included in the Technical Bid.

20. The Conditional Offers are Liable to be Summarily Rejected.

21. Right to Reject Any or All the Tenders without Assigning any reason Thereof, are Reserved by the University of Mumbai.

22. The Payment shall be made after Successful Installation within a Reasonable Period as per the University of Mumbai Rules and Procedures.



**Envelope No.1**  
(Technical Bid)

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**Envelope No.2**  
(Financial/Price Bid)

**SCHEDULE TO TENDER**

**Note:**

1. Tenderers are Advised to Read carefully the Terms and Conditions of Supply and the Instructions to the Tenderers Before Recording the Rates in this Schedule.
2. No Erasures or Overwriting shall be Allowed, unless they are Authenticated under the Full Signature and the Seal of the Tenderer.
3. The Rates shall be FOR / CIF at Destinations / Godowns / Places Indicated in the Supply Order.

Item Number	Description of Goods With the Details of Specifications	Number / Quantity	Price / Rate per Unit	Taxes	Duties	Etcetra	Total

Total Price .....

In Words .....only

**DATE:**

**PLACE:**

**Signature of the Tenderer.**

**Name of the Signatory on the Tender.**

**Seal of the Firm / Company.**

# Specifications

## Potentiostat/Galvanostat

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### Specifications:

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Electrochemical Workstation with Potentiostat/Galvanostat with Corrosion, Impedance, Electrochemistry s/w , Latest Windows Based Acquisition s/w also includes power supply 220v/50Hz, Interface Cable for USB Port, Cell Cable , Manuals & Installation.

- Staricase Voltammetry(SCV) with stripping
- Differential Pulse Voltammetry(DPV) with stripping
- Normal Pulse Voltametry (NPV) with stripping
- Differential Normal Pulse Voltametry(DPNV) with stripping
- Square Wave Voltammtry(SWV) with stripping
- AC Voltammetry(ACV) with stripping
- Second Harmonic AC Voltammetry(SHACV) with stripping
- Amperometrici-t Curve(i-t)
- Differential Pulse Amperometry(DPA)
- Triple Pulse Amperometry(TPA)
- Integrated Pulse Amperometry Detection (IAPD)
- Hydrodynamic Modulation Voltammetry(HMV)
- Sweep –Step Functions(SSF)
- Multi-Potential Steps (STEP)
- RDE control (0-10Voutput)
- Full version of CV simulator
- Impedance Simulator
- IR Compensation
- External Potential Input

Auxiliary Signal Measurement Channel