

Global Tender Notification for the Procurement of a portable and compact size expandable Potentiostat / Galvanostat with Spectrophotometer and Electrode accessories.

(Last Date for Submission: March 1st, 2024)

Indian Institute of Science, Bangalore invites the best quotations from bonafide, resourceful, and eligible manufacturers/exclusive distributors/vendors for the procurement of a portable and compact size expandable potentiostat / galvanostat with spectrophotometer and Electrode accessories with the following technical specifications on C.I.P. Bangalore basis (by **Air Freight** only). The quotation should clearly mention the validity of the quote (minimum 90 days validity), terms of delivery, delivery schedule, estimated delivery date, and payment terms. The tender should be submitted in two separate sealed and distinctly marked envelopes: one containing the technical bid and the other containing the commercial bid, both of which should reach us duly signed on or before 17:00 hours, March 1st, 2024.

As per the OM No.F.4/1/2023-PPD dated 03-04-2023 on Relaxation on Procurement of Certain Items through GTE, potentiostat / galvanostat with spectrophotometer System (among 364 Medical devices) are exempted from the instructions related to GTE (for details, see the Annexure A of the OM, Sl. No. 292, 320, 321, 352).

The bids should be addressed to:

The Chairman

Solid State and Structural Chemistry Unit
Chemical Sciences Division
Indian Institute of Science (IISc)
Bengaluru, India - 560012
Kind attention: **Prof. Abhishake Mondal**
Email: mondal@iisc.ac.in

The sealed bids should be sent to the following address:

Prof. Abhishake Mondal

Solid State and Structural Chemistry Unit
Room F-213, F-Block, Second Floor
Chemical Sciences Division
Indian Institute of Science (IISc)
Bengaluru, India - 560012
Ph: +91-9932207177
Email: mondal@iisc.ac.in

Please enclose a compliance statement along with the technical bid.

Section 1: Bid Schedule

1.	Tender No	IISc/SSCU/2024/Spectroelectrochemistry
2.	Tender date	8 th February 2024
3.	Instrument	A portable and compact size expandable Potentiostat / Galvanostat with Spectrophotometer and Electrode accessories.
4.	Tender type	Global Tender
5.	Documents to be submitted	i) Technical bid (part A) ii) Commercial bid (part B)
6.	Place of tender submission	Prof. Dr. Abhishake Mondal Solid State and Structural Chemistry Unit Room F-213, F-Block, Second Floor Chemical Sciences Division Indian Institute of Science (IISc) Bengaluru, India – 560012
7.	Last date and time of tender submission	March 1 st , 2024, 17:00 hours
8.	For Further clarification	Prof. Dr. Abhishake Mondal Solid State and Structural Chemistry Unit Chemical Sciences Building Indian Institute of Science (IISc) Bengaluru- 560012, India Ph: +91-9932207177 Email: mondal@iisc.ac.in

Section 2 - Eligibility Criteria:

Prequalification criteria:

1. All documentation in the tender should be in English.
2. The tender should be submitted in two envelopes (two bid systems)
 - a) Technical Bid (Part-A) – Technical bid consists of all technical details and a checklist for conformance to technical specifications. The proposal should contain a compliance table with 4 columns in addition to the ones in the technical requirements table that has been included with this RFQ above. The compliance table should include all the items in the same order and format. The first column should describe your compliance in a “Yes” or “No” response. If “No” the second column should state the extent of deviation. The “third” column should state the reasons for the deviation, if any. The fourth column can be used to compare your tool with that of your competitors or provide details as requested in the technical requirements table below. (Suppliers who include any indication of prices in the technical bid will be automatically disqualified).
 - b) Commercial Bid (Part-B) – Indicating item-wise price for the items mentioned in the technical bid, as per the format of quotation provided in the tender, and other commercial terms and conditions.
3. The technical bid and price bid should be placed in separate sealed covers, superscripting the tender no. and the due date on both the envelopes. Both these sealed covers are to be placed

in a bigger cover, which should also be sealed and duly superscripted with the Tender No, Tender Description & Due Date.

4. The SEALED COVER superscripting tender number / due date & should reach the office of **Prof. Abhishake Mondal**, Solid State and Structural Chemistry Unit, Room F-213, F-Block, Second Floor Chemical Sciences Division, Indian Institute of Science, Bangalore – 560012, India, on or before the due date mentioned in the tender notice. In case the due date happens to be a holiday, the tender will be accepted and opened on the next working day. If the quotation cover is not sealed, it will be rejected.
5. Notwithstanding anything specified in this tender document, IISc Bangalore, in its sole discretion, unconditionally and without having to assign any reason, reserves the rights:
 - a) To accept OR reject the lowest tender or any other tender or all the tenders.
 - b) To accept any tender in full or in part.
 - c) To reject the tender, offer not confirming to the tender terms.
6. The Bidder should sign and submit the declaration of Acceptance of Terms and Conditions as per -Annexure 4.
7. The Bidder must not be blacklisted/banned/suspended or have a record of any service- related dispute with any organization in India or elsewhere. A declaration to this effect has to be given as per Annexure 3.

Section 3 - Technical Specifications for a portable and compact size expandable Potentiostat / Galvanostat with Spectrophotometer and Electrode accessories.

Broad System Requirements and Usage

We are seeking to procure a state of the art *portable and compact size expandable Potentiostat / Galvanostat with Spectrophotometer and Electrode accessories*, with computer controlled and user-friendly setup for our lab at the Solid State and Structural Chemistry Unit, Indian Institute of Science, Bangalore. Therefore, the following technical criteria are to be met by any *portable and compact size expandable Potentiostat / Galvanostat with Spectrophotometer and Electrode accessories* being quoted under this tender notice:

- 1) Access to the instrument being quoted should be multi-user friendly with an easy-to-use software interface, modular hardware design that allows for rapid user training. It should also be easy to change from one operational mode to another with relative ease so that our students can set up experiments and handle the instrument.
- 2) We are working in diverse areas of research at the intersection of fundamental chemistry, physics, biology, and new material synthesis and characterization. Therefore, the portable and compact size expandable potentiostat / galvanostat with spectrophotometer system and electrode accessories being quoted should be an advanced and most recent version that can go far beyond the basic instruments with the highest level of accuracy.
- 3) In addition, the system being quoted should have a modular design providing the flexibility to support upgradation for the possibility of integrating future updates and additional options for measurement either at the time of procurement or at a later date.

Principal: Supply and installation of a fully automated computer controlled and user-friendly portable and compact size expandable potentiostat / galvanostat with spectrophotometer and electrode accessories which is fully integrated & synchronized 'complete solution' spectro-electrochemical system which can be used independently as a Spectrophotometer or as a Potentiostat/Galvanostat. Complete Spectro Electrochemistry setup should be supplied by a single OEM and should be operated by **single software**. The package should include all cables, cell set-up, electrodes and accessories for fully integrated one click spectro-electrochemistry data generation using **single software**. The system will be used to measure a diverse range of physical properties and therefore, should be compatible with other physical property measurement probes like Electrochemical impedance spectroscopy, booster option *etc.* for future upgradation in next 10 years. The modular hardware design and software upgradation for the system is essential so that we can add new measurement capabilities in future. However, this modular design should be multi-user-friendly so that the user can change the measurement probes rapidly and with minimal training. The bid should also include necessary accessories for day-to-day uninterrupted routine operations. A compliance statement with all the specifications below must be attached with the bid. Printed literature and published papers in well recognized international peer reviewed journals in support of all compliance to the prescribed specifications should be provided.

Detailed specifications:

(A) Advanced Spectro-electrochemistry set-up

1. A fully integrated & synchronized 'complete solution' spectro-electrochemical system that can be used independently as a Spectrometer or as a Potentiostat/Galvanostat. Complete Spectro Electrochemistry setup should be supplied by single OEM and should be operated by **single software**. The package should include all cables, cell set-up, electrodes and accessories for fully integrated one click spectro-electrochemistry data generation using single software.

2. Compliance voltage: Standard ± 20 V or better at ± 400 mA current.

Note: Adjustable compliance voltage configurations will not be considered.

3. Maximum Output Current: ± 400 mA or better at ± 20 V.

4. Current boosting option: Expandable anytime to ± 10 A measured current or better with Current Booster without changing compliance voltage of ± 20 V.

5. Output Voltage Range: ± 10 V or better.

6. Current Ranges: ± 10 nA to current range ± 100 mA in eight ranges.

7. Measured current accuracy: 0.0003 % of current range (30 fA at 10 nA range), must be a default hardware configuration without any additional external accessories or current boosters.

8. Measured Potential Resolution: 3 μ V or better.

9. Potentiostat Rise/fall Time: < 300 ns or lower.

10. Interface: USB interface for connection with PC.

11. Input bias current: < 1 pA or lower.

12. Bandwidth of electrometer: > 4 MHz or higher.

13. Potentiostat Bandwidth: 1MHz to better.

14. Input impedance of electrometer: > 100 GOhm // 8 pF or better.

15. Cyclic Voltammetry with Scan Rate: 10 μ V/s to 5,000 V/s or better

Differential Pulse Voltammetry and Normal Pulse Voltammetry with Pulse width: 0.001 to 10 sec.

Should have the following techniques:

- a. Cyclic Voltammetry (CV)
- b. Linear Sweep Voltammetry (LSV)
- c. Chrono Amperometry (CA)
- d. Chrono Coulometry (CC)
- e. Differential Pulse Voltammetry (DPV)
- f. Normal Pulse Voltammetry (NPV)
- g. Square Wave Voltammetry (SWV)
- h. Bulk Electrolysis with Coulometry (BE)
- i. Open Circuit Potential – Time (OCPT)
- j. Full version of CV simulator

- k. IR Compensation
- l. External Potential Input
- m. Auxiliary Signal Measurement Channel
- n. Multi-Step Potential (MSP)
- o. Anodic (Cathodic) Stripping Voltammetry

(B) A spectrophotometer kit with UA grating that has following specifications

1. Detector: CCD linear array.
2. Pixels: 2048 or better.
3. Fiber optic connector: SMA.
4. Wavelength range: 200 - 1500 nm.
5. Signal to noise ratio: 300:1 (at full signal).
6. A/D resolution: 16 Bit, 2 MHz.
7. Dark noise: 20 counts RMS.
8. Integration time: 1.11 mS - 10 minutes.
9. Stray light: 0.04-0.1 %, depending on the grating.

(C) Light source required having these following specifications

1. Wavelength range: 200 - 400 nm (deuterium), 400 - 2500 nm (halogen).
2. Stability: < 1 mAU (Deuterium) < 1 mAU (Halogen).
3. Time to stable output: 8 min (Deuterium), 1 min (Halogen).
4. Bulb life for Deuterium: Minimum 1000 hours (or better).
5. Bulb life for Halogen: Minimum 2000 hours (or better).
6. The light should have a software-controlled shutter.
7. Fiber optic connector: SMA.
8. It should have the measurement facility in both transmittance, Absorbance and reflectance modes. The spectroanalytical set up should preferably be based on direct optics.

(D) Spectro-electrochemical accessories required

1. Spectroelectrochemistry Cell should include: Cell Top, Pt Gauze Electrode (Flag Type) & Pt Counter Electrode, 0.5 mm and 1 mm path quartz cuvette. (3* Fluorescence cuvettes, 3* Absorption cuvettes)
2. Platinum flag working electrode. (quantity 3)
3. Platinum wire counter electrode. (quantity 3)
4. Ag/AgCl reference electrode. (Aqueous: quantity 2; Non-aqueous: 1)
5. Glassy Carbon Electrode. (quantity 3)

6. Purge tube. (quantity 2)
7. Lamps (quantity 2)
8. Polishing set (quantity 1)
9. Cell stand for CV studies

The systems should be compatible with following accessories for anytime upgradation in future using 'single software' application:

1. Electro-catalysis measurements using fully automated RDE set-up
2. Photo-electrochemical Water-Splitting for HER, OER and Carbon Dioxide Reduction tests
3. Advanced Corrosion Analysis – SECM, Tafel, LPR etc.
4. Photo-modulated solar cell characterization with optical bench – HUMO-LUMO analysis, Photo-current measurements, Charge extraction, Chopping, IMPS-IMVS etc.

(E) Future upgrade

The system must be field upgradable to add measurement options including the following.

1. EIS Option

Hardware and software for EIS measurements should be available as future upgrades in potentiostatic and galvanostatic control, over frequency range of 10 μ Hz to 1 MHz. It should be possible to perform EIS measurements over entire frequency range from 10 μ Hz to 1 MHz upto ± 400 mA currents. The frequency range in combination with a commonly available external waveform generator should be 10 μ Hz - 32 MHz. The frequency range in combination with potentiostat / galvanostat should be 10 μ Hz - 1 MHz. The applied frequency resolution should be 0.003 % or better. Contour plot accuracy of 0.3, 0.3 % upto 50 KHz and 5, 2 % above 50 KHz. Also, a ± 10 A current booster option with compliance voltage of ± 20 V or better is required in very near future.

Measured EIS Data presentation:

Real-time fit and simulation analysis as well as 'live' data plotting option for the simulation plot must be available as default software protocol. Also, real-time measurement plots needed for – Lissajous curve, Nyquist, Bode, Admittance, Dielectric & Mott-Schottky. The fit and simulation software should include basic options such as find circle, element subtraction and an equivalent circuit library with all the modern EIS equivalent circuit models (Randle's, transmission line, etc.). Minimum visible

plots in real time should be 8 or more.

2. Booster Option: Necessary Future Add-on:

A ± 10 A current booster option with compliance voltage of ± 20 V or better is required in the very near future.

Measured current accuracy 0.0003 % of current range or better.

(F) A sophisticated spectro-electrochemical software control required

1. Shutter lamp control: Automatic dark and reference
2. Real Time panel that collects the generated spectra not only during the electrochemical measurement but continuously at any time.
3. Spectroscopic measurements shown in Counts, Absorbance, Transmittance or Reflectance during the electrochemical process.
4. Plot of Optical Spectra vs. Electrochemical Curves at a specified wavelength
5. Plot overlay, peak integration, smoothing, subtraction, derivative curve, baseline fitting.
6. 3D plotting of curves & export .csv of overlaid plots

(G) Electrochemical Software:

The Software to be provided with the Potentiostat / Galvanostat should be comprehensive, fully windows based with three-dimensional view of graphics and analysis software. Software should record current, voltage and time for cyclic and linear sweep voltammetric measurement. It should be possible to record current, voltage and time data in tabular format for each measuring point in voltammogram. Software should be capable of supporting a wide variety of electrochemical techniques as mentioned below.

1. Electrochemical Frequency Modulation
2. Cyclic & Linear Sweep Voltammetry – HER, OER, Kotecky –Levich plots for catalysis
3. Linear Polarization, ECV, Critical pitting, EIS, Hydrogen Permeation, EFM, SECM, etc. for corrosion analysis
4. HOMO-LUMO, I-V, IMPS, IMVS, PEC, IPCE, Mott-Schottky, EIS ---- Solar Cell Measurements
5. Chrono-amperometry, chrono-coulometry and chrono-potentiometry ($\Delta t > 1$ ms)
6. It should have facility to display up to 10 or more plots simultaneously
7. Sequential programming of different electrochemical methods and optional accessories
8. Comprehensive database structure & powerful data analysis tool
9. Inbuilt electrochemical spread sheet & User programmable formulae to new plots

10. Powerful graphic engine with useful features such as individual Axis scaling, overlays, multiple Y axes, plot addition, zooming and rotation
11. Each plot should be saved as a vector image file to use directly in paper or presentation
12. Software should have facility to record additional signal viz EQCM, bi-potentiostat etc.
13. Import/export ASCII, Ready-to-use Vis & Generic interface for .Net applications should be included.

(H) Computer Station

A suitable branded Computer or equivalent for system control & data acquisition should be offered with the system. It should have the following minimum specs: CPU Intel Core i7, 16 GB RAM, SSD 2 TB, GPU DirectX 9.0c compliant display adapter with 4 GB RAM, TFT Monitor 21 inch, 101 Keys Keyboard, Optical Mouse, 3 USB Ports. Software should be freely upgradable in future. The model and the software capability offered should be well documented in the brochure/catalogue and should be available at Principal website.

Warranty: All the spectro-electrochemical setup and accessories provided should have a minimum 3 years of warranty from the date of installation.

Note: Vendor should be an authorized provider of sophisticated high-precision potentiostat/galvanostat systems for past **15 Years** or more with a

- A proven track record in multiple countries and national institutes
- Standard quality certifications such (ISO 9001)
- 5+ past installations of similar systems in India in past two years.
- The vendor should have a service station within the state (preferably in Bangalore) for speedy service resolution.
- AMC should be available after the warranty period.
- Installation training & demo of the instrument (minimum three training courses with minimum three sessions each) to be provided during installation free of cost.

Section 4 - Terms and Conditions

- 1) Comprehensive 3 years minimum on-site warranty with additional 3 years on all parts from the date of successful installation.
- 2) The vendor must quote for a non-comprehensive Annual Maintenance Contract (AMC) price beyond the 3-year warranty, with a price lock in for 3 years beyond the standard 3-year warranty period, 2-3 services per year should be included in the AMC. AMC should be clearly mentioned after the warranty period.
- 3) The tender document should also indicate what kind of service/maintenance is required for the system. Also mention that whether the service has to be carried out by a company engineer or it can be carried by trained service personnel within India.
- 4) Power requirement: Indian standard power supply, 220/240 Volts AC with frequency 50 Hz.
- 5) Operation and service manual in English (electronic and hard copy) with complete circuit diagram and PCB layout for all equipment should be provided with the instrument.
- 6) Standard samples (if required) to be provided by the company for testing the instruments at the time of installation on site to the quoted accuracy in the given technical specification for the demonstration of the performance of equipment.
- 7) Pre-installation site preparation requirements to be indicated and specified along with the bid.
- 8) Installation and on-site training of our staff (minimum three training courses with minimum three sessions each) in operation and maintenance is essential by factory trained personal free of cost.
- 9) Please provide the segmented quotation for each optional measurement capabilities. Depending upon the budgetary provision and priority, the items to be purchased will be decided.
- 10) Bid should include all other essential auxiliary equipment and spares for its operation, even which are not explicitly specified above (please provide list with details).
- 11) All sample handling kits/consumables should also be provided.
- 12) The vendor is responsible for the complete and successful installation of the system at the institute.
- 13) The price quotation should include the cost of installation and training of potential users.
- 14) GST is applicable as per Govt. of India GST law and must be mentioned in the price bid. In case due to any error / oversight, the GST quoted by the bidder is less than the actual rate as per tariff, the bidder will not be permitted to rectify the error/oversight. The orders / contract will be placed for the total amount including the (lower) rate/s quoted by the bidder, with reduced basic amount to the extent of difference in tax/duty amount, so that the total amount (basic + actual rate as per tariff), remains same (quoted basic + quoted rate). The difference amount payable, if any, between the quoted rate and actual rate as per tariff shall be borne by the bidder.
- 15) The vendor should have a track record of having previously supplied at least five identical instruments in CFTIs such as JNCASR, IITs, IISERs, NITs with above mentioned specifications. **Details of such systems should be provided.** Vendor must provide the user list (with contact details including emails and phone numbers) of at least 5 customers from Indian

Institutes/Labs with contact person name, address, phone, fax and email Ids should be provided. The primary focus of these installed systems should have included spectroscopic and potentiometric measurements both independently and simultaneously.

- 16) (a) List of 20 publications (separately for each measurement option such as spectroscopic measurement and electrochemical measurements) in highly renowned international peer reviewed journals should be provided.
(b) Separately, at least 5 publications covering simultaneous measurement of spectroelectrochemical data.
- 17) The committee reserves the right to reject the technical bid if above condition is not satisfied.
- 18) The vendor should have qualified technical service personnel for the equipment based in India and should assure a response time of < 48 hours.
- 19) The lead-time for the delivery of the equipment should not be more than 3 months from the date of receipt of our purchase order.
- 20) If the supplier fails to Supply, Install and Commission the equipment as per the specifications mentioned in the PO within the due date, the Supplier is liable to pay a penalty of @0.5% of order value per week of delay subject to a maximum of 10% beyond the due date. IISc reserves the right to cancel the order in case of excessive delay.
- 21) The indenter reserves the right to withhold placement of final order. The right to reject all or any of the quotations and to split up the requirements or relax any or all of the above conditions without assigning any reason is reserved.
- 22) Wherever requested data must be supplied along with technical compliance documents. Technical bids without supporting data will be deemed technically non-compliant.
- 23) All guaranteed specifications may have to be demonstrated at the time of installation. Any necessary standard samples for that purpose should be brought by the service engineers.
- 24) The vendor must provide a compliance statement in a tabular form concerning each technical specification in the tender document duly supported by the manufacturer's literature and published papers. Any other claim will not be accepted and may lead to rejection of the bid.
- 25) Technical evaluation by the institute may include a demonstration to verify functionalities and capabilities of the system quoted. The institute reserves the right to provide samples after opening the technical bids for verification of promised specifications. Any discrepancy between the promised specifications and measurements will be deemed as technical non-compliance. Committee also reserves the right to modify the stipulated eligibility criteria at any time during the tenure of procurement.
- 26) The quote should also include additional spares sufficient for 3 years.
- 27) Any statutory increase in the taxes and duties subsequent to bidder's offer, if it takes place within the original contractual delivery date, will be borne by IISc, Bangalore subject to the claim being supported by documentary evidence. However, if any decrease takes place the advantage will have to be passed on to IISc, Bangalore.
- 28) Any information furnished by the bidder found to be incorrect, either immediately or at a later date, would render the bidder liable to be debarred from tendering/taking up of work in IISc, Bangalore.

- 29) All Imported items should be shipped on C.I.P. Bangalore basis (by **Air Freight** only).
- 30) All quotations must be valid for at least 90 days at the time of submission.
- 31) When a foreign vendor does not have a local agent in India, he can submit a demand draft equal to 2% or wire transfer the amount to our account as detailed in the attachment (Annexure II) and enclose the proof with the financial bid.
- 32) **Payment:** - No Advance payment will be made for Indigenous purchase. However, 90% Payment against Delivery and 10% after installation are agreed to wherever the installation is involved. In case of import supplies the payment will be made only through 100% Letter of Credit i.e., (90% payment will be released against shipping documents and 10% after successful installation wherever the installation is being done). Any loss due to fluctuation in foreign exchange rates will be at the beneficiary account.
- 33) **Performance Security:** -The successful bidder should submit Performance Security for an amount of 5% of the value of the contract/supply within 21 days from the issue of work/purchase order. The Performance Security should be furnished in the form of an Account Payee DD / FD Receipt from the commercial bank (or) Bank Guarantee from any nationalized bank in India.
- 34) **Accept /Reject:** IISc Bangalore reserves the full right to accept / reject any tender at stage without assigning any reason.
- 35) **Settlement of Disputes:** Any legal disputes arising out of any breach of contract pertaining to this tender shall be settled in the court of competent jurisdiction located within the city of Bangalore in Karnataka.
- 36) **Risk Purchase Clause:** - In the event of failure of supply of the item/equipment within the stipulated delivery schedule, the purchaser has all the right to purchase the item/equipment from other sources on the total risk of the supplier under risk purchase clause.

Annexure 1:

Details of the Bidder: The Bidder must provide the following mandatory information & attach supporting documents wherever mentioned:

Sr. No.	Type	Details
1.	Name of the Bidder	
2.	Nature of Bidder (Attach attested copy of Certificate of Incorporation/ Partnership Deed)	
3.	Registration No/ Trade License, (attach attested copy)	
4.	Registered Office Address	
5.	Address for communication	
6.	Contact person- Name and Designation	
7.	Telephone No	
8.	Email ID	
9.	Website	
10.	PAN No. (attach copy)	
11.	GST No. (attach copy)	

Signature of the Bidder

Name:
Designation, Seal

Date:

Annexure 2:

Declaration regarding experience

To,
Prof. Abhishake Mondal,
Solid State and Structural Chemistry Unit,
Chemical Sciences Division,
Indian Institute of Science,
Bangalore – 560012, India

Ref: Tender No: XXXXXXXXXX

Dated: XXXXX

Supply and installation of portable and compact size expandable potentiostat / galvanostat with spectrophotometer and accessories.

Sir,

I have carefully gone through the Terms & Conditions contained in the above referred tender. I hereby declare that my company / firm has years of experience in supplying and installing a *portable and compact size expandable potentiostat / galvanostat with spectrophotometer and Electrode accessories*.

(Signature of the Bidder)

Printed Name Designation, Seal

Date:

Annexure 3:

Declaration of track record

To,
Prof. Abhishake Mondal,
Solid State and Structural Chemistry Unit,
Chemical Sciences Division,
Indian Institute of Science,
Bangalore – 560012, India

Ref: Tender No: XXXXXXXXXX

Dated: XXXXX

Supply and installation of a *portable and compact size expandable potentiostat / galvanostat with spectrophotometer and Electrode accessories.*

Sir,

I have carefully gone through the Terms & Conditions contained in the above referred tender.

I hereby declare that my company / firm is not currently debarred / blacklisted by any Government / Semi-Government organizations / institutions in India or abroad. I further certify that I am competent officer in my company / firm to make this declaration.

OR

I declare the following:

Sr. No.	Country in which the company is debarred/ blacklisted / having pending case	Blacklisted / debarred by Government / Semi Government Organizations or Institutions / having pending case	Reason	Time Period

(Note: In case the company / firm was blacklisted previously, please provide the details regarding period for which the company / firm was blacklisted and the reason/s for the same).

(Signature of the Bidder)

Printed Name Designation, Seal

Date:

Annexure 4:

Declaration of acceptance of terms and conditions

To,

Prof. Abhishake Mondal,
Solid State and Structural Chemistry Unit,
Chemical Sciences Building,
Indian Institute of Science,
Bangalore – 560012, India

Ref: Tender No: XXXXXXXXXX

Dated: XXXXX

Supply and installation of a *portable and compact size expandable potentiostat / galvanostat with spectrophotometer and Electrode accessories..*

I have carefully gone through the Terms & Conditions contained in the above referred tender document. I declare that all the provisions of this tender document are acceptable to my company. I further certify that I am an authorized signatory of my company and am, therefore, competent to make this declaration.

Yours faithfully
(Signature of the
Bidder)

Printed Name Designation, Seal

Date:

Commercial Bid:

The commercial bid should be furnished with all requirements of the tender with supporting documents as mentioned:

Addressed to:

The Chairman

Solid State and Structural Chemistry Unit

Indian Institute of Science (IISc)

Bengaluru, India - 560012

Kind attention: Prof. Abhishake Mondal

Email: mondal@iisc.ac.in

The sealed bids should be sent to the following address:

Prof. Abhishake Mondal

Solid State and Structural Chemistry Unit

Room F-213, F-Block, Second Floor

Chemical Sciences Division

Indian Institute of Science (IISc)

Bengaluru, India - 560012.

Ph: +91-9932207177

Email: mondal@iisc.ac.in

S. No	Description	Cat. Number	Quantity	Unit Price	Sub Total
1.	Essential items noted in the technical specification				
1.a	(details of essential items)				
1.b					
2.	Optional items noted in the technical specification				
2.a	(details of essential items)				
2.b					
3.	Accessories for operation and installation				
4.	All consumables, spares and software to be supplied locally				
5.	Warranty (3 years)				
6.	AMC 3 years beyond warranty				

8.	CIP/CIF Bengaluru	IISc,				
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Any additional items, such as Spares and Hardware/PCBs Likely to go obsolete after the next 3 Years

Section V: Checklist

(This should be enclosed with a technical bid- Part A)

The following items must be checked before the bid is submitted:

1. Sealed Envelope "A": Technical Bid

Technical bid (each page signed by the authorized signatory and sealed) with the below annexures:

- a. Annexure 1: Bidders details
- b. Annexure 2: Declaration regarding experience
- c. Annexure 3: Declaration of track record
- d. Annexure 4: Declaration of acceptance of terms and conditions
- e. Annexure 5: Details of item quoted
- f. Declaration of Local Content by Local supplier

2. Copy of this tender document duly signed by the authorized signatory on every page and sealed.

3. Sealed Envelope "B": Commercial Bid

Your quotation must be submitted in two envelopes: Technical Bid (**Envelope A**) and Commercial Bid (**Envelope B**), superscribing on both the envelopes with, Tender description, Tender No. and due date and both of these in sealed covers and put in a bigger cover which should also be sealed and duly super scribed with Tender No., Tender description & Due Date.