

UNIVERSITY OF DELHI

DELHI-110007



e-TENDER DOCUMENT

for the procurement of

Equipment: Electrochemical Workstation / Potentiostat- Galvanostat

Ref. No: PHY/AMK/DST-SERB/ECW (1)

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Section 1
Department of Physics and Astrophysics
University of Delhi, Delhi-110007
E-PROCUREMENT TENDER NOTICE

Dr. Amarjeet Kaur, Department of Physics and Astrophysics, University of Delhi invites tenders under Two Bid System (Technical and Financial) from reputed and eligible vendors through e-procurement for '**Electrochemical Workstation / Potentiostat- Galvanostat**' in a DST-SERB sponsored project at the Department of Physics and Astrophysics, University of Delhi, Delhi-110007.

Items	Details/ Date
Equipment	Electrochemical Workstation / Potentiostat- Galvanostat'
EMD	Rs. 40,000/-
Tender Fee	Nil
Bid Validity Duration	150 days
Completion period	150 days
Bid Document Download Start Date	21 June 2017; 11 am
Bid Submission End Date	12 July 2017; 11 am
Bid Opening Date	14 July 2017; 2 pm

Notes:

(i) All details regarding the subject tender are available on our websites www.du.ac.in and <https://eprocure.gov.in/eprocure/app>. Bidders are therefore, requested to visit our websites regularly to keep themselves updated.

(ii) Manual bids shall not be accepted.

(iii) The quantity of items-ordered may vary.

(iv) For submission of E-Bids, bidders are required to get themselves registered with <http://eprocure.gov.in/eprocure/app>.

(v) EMD should reach Dr. Amarjeet Kaur, PI, SERB Project, Department of Physics and Astrophysics, University of Delhi, Delhi-110007, before the end date and time of bid submission. Failing which offer will be liable for rejection. Papers related to company details (Copies of TIN No., PAN No, Sales Tax & Income Tax registration, etc) and product details (Printed product specification sheet and other brochure/ leaflets, etc) may also be submitted along with. Bidder, however have to attach scanned copies of EMD documents along with their e-tender.

(vi) Please read carefully this Tender Notice as well as Annexures - A, B, C, I to X and provide the required documents as per the format given in these Annexures.

(v) Clarifications/ queries, if any, can be addressed to Dr. Amarjeet Kaur, PI, DST Project, Department of Physics and Astrophysics, via phone no. +91-9818620240 and email: kauramar@yahoo.co.in

Dr. Amarjeet Kaur
PI, DST Project
Department of Physics and Astrophysics
University of Delhi, Delhi-110007

Section 2

INSTRUCTIONS AND INFORMATION FOR THE BIDDERS

1.	Vendors may be invited for presentation and clarification to the technical evaluation committee on short notice.
2.	<p>Two Bid System Tender: Separate Technical and Commercial Bids for ‘Electrochemical Workstation / Potentiostat- Galvanostat’ as per instructions as given in Annexure A should be submitted online.</p> <p>Bids shall be submitted online only at CPP portal: https://eprocure.gov.in/eprocure/app.</p> <p>Tenderers/contractors are advised to follow the instructions provided in the ‘Instructions to the Contractor/Tenderer for the e-submission of the bids online through the Central Public Procurement Portal for e-procurement at https://eprocure.gov.in/eprocure/app.</p> <p>Bid documents may be scanned with 100 dpi with black and white option which helps in reducing size of the scanned document.</p> <p>Tenderer who has downloaded the tender from the University website www.du.ac.in and Central Public Procurement Portal (CPPP) https://eprocure.gov.in/eprocure/app, shall not tamper/modify the tender form including downloaded price bid template in any manner. In case if the same is found to be tempered/modified in any manner, tender will be completely rejected and EMD would be forfeited and tenderer is liable to be banned from doing business with Delhi University.</p> <p>Interested vendors are advised to visit again University website www.du.ac.in and CPP Portal https://eprocure.gov.in/eprocure/app at least 3 days prior to closing date of submission of tender for any corrigendum / addendum/ amendment.</p>
3.	<p>Due date: The tender has to be submitted on-line before the due date i.e. July12, 2017. The offers received after the due date and time will not be considered. Tender should have cover letter / Tender acceptance letter (as per Annexure I) <u>No manual bids will be considered.</u></p>
4.	<p>Technical Bid Submission (Required Technical specifications are given in Annexure B) Technical quotation must contain the following:</p> <ol style="list-style-type: none">Quotation as per technical specifications given in Annexure B, should be directly from Original Equipment Manufacturer (OEM) or Authorized Sales Agent.Sole agency certificate (if applicable) and its validity from Foreign Principals (in case of foreign manufacturer).Pre-installation requirements such as electrical load requirement, space etc. must be specified.Any optional equipment/accessory advised for better functioning of equipment must be specified and quoted separately.Details on installation, commissioning and training of the equipment must be specified.Installation of equipments together with the demonstration and training for all the measurements mentioned in at user site should be free of cost and must be included in the quotation.

	<p>(g) State service-support for the equipment in India, specifically in Delhi/NCR, give details of service-centers with address, telephone numbers and name of service engineers available, response time; during warranty and afterwards.</p> <p>(h) Vendor should quote the equipments strictly as per tender specifications including complete technical details along with make, model, and complete specifications. Detailed compliance sheets along with supporting documents to be attached with Technical Bid for evaluation. Certificate of compliance with any deviation from specification must be attached.</p> <p>(i) Original brochures and original specification sheets (from equipment manuals) directly obtained from the principal manufacturer of the quoted model must be enclosed along with supporting data.</p> <p>(j) Technical bid should include drawing of the system with internal arrangements of sub-assemblies, and system dimensional details/footprint along with peripherals and utilities.</p> <p>(k) Certificate of Compliance with deviations from specifications (if any) must be attached</p> <p>(l) Vendor must have supplied at least three similar equipments in India (preferably in Delhi). User list with address, e-mail & Phone No. must be enclosed.</p> <p>(m) Any third party or customized item/accessory in the equipment is to be clearly mentioned with make and model.</p> <p>(n) An undertaking from OEM is required to facilitate the user on regular basis with technology/software updates.</p> <p>(o) Language of Bid: The bid prepared by the Bidder, as well as all correspondence and documents relating to the bid exchanged by the Bidder and the Purchaser, shall be written in English language. In case, the supporting documents and printed literature furnished by the Bidder are in some other language, then an accurate translation in the English language must be provided.</p>
5.	Cost of Tender Form:Nil
6.	<p>Earnest Money Deposit (EMD):</p> <p>(a) Vendor must submit Earnest Money Deposit (EMD) for an amount of Rs. 40,000/- in the form of Bank Guarantee in favor of “The Registrar, University of Delhi, Delhi”, for quoted item, separately. The irrevocable Bank Guarantee drawn on a scheduled bank, shall be in the form acceptable to the University of Delhi as per Annexure B</p> <p>(b)Original EMD (as per format given in Annexure II, should reach Dr. Amarjeet Kaur, PI, DST-SERB Project, Department of Physics and Astrophysics, University of Delhi, Delhi-110007, before the end date and time of bid submission. Bidders, however have to attach scanned copies of EMD documents along with the e-tender (technical bid). The non-submission of EMD will lead to the rejection of the bid. The EMD shall remain valid for a period of 60 days beyond the final bid validity period. The EMD of unsuccessful bidders will be returned to them within 30 days after the award of the contract. The successful bid, if withdrawn, is liable for forfeiture of the EMD.</p>
7.	<p>Performance Bank Guarantee:</p> <p>(a) 10% of total purchase order value with validity up to one year after completion of warranty period must be submitted within 30 days from the date of purchase order.</p>

	(b) Institute reserves the right to order equipment with better quality over lower price and to accept or reject any or all quotations without assigning reason thereof.
12.	<p>Instruction for Commercial Bid (as per Annexure C):</p> <ul style="list-style-type: none"> Commercial bids of eligible and technically qualified bidder will be opened. The lowest financial bid in respect of the equipment including all modules and accessories, will be considered for award of work.
	<p>Commercial bid must contain the following:</p> <ul style="list-style-type: none"> Prices must be quoted on both FOB as well as CIP/CIF (Delhi) basis. All charges including all taxes like insurance, etc. should be clearly indicated. Guarantee or warranty conditions must be clearly specified. Service charges per visit and AMC after warranty period must be specified. Validity of quotation must be at least 6 months from the date of quotation. Mode of payment is Electronic Transfer after delivery of equipment for Indian Vendors and LC for foreign purchases, should be mentioned in the bid. Name and address of the company on whose name the LC is to be opened should be clearly mentioned. Supplier must submit TIN number / PAN number and bank details as applicable.
14.	<p>Summary Rejection of Tender:</p> <p>The tenders not accompanied with Earnest Money Deposit shall be summarily rejected. Similarly, if the bidder proposes any alternation in or additions to the prescribed form of tender or decline to carry out any work of the tender document; or any conditions mentioned, etc., his tender is liable to be rejected.</p>
15.	<p>Final Decision Making Authority:</p> <ul style="list-style-type: none"> The University reserves the right to order equipment with better quality over lower price and to accept or reject any or all the quotations without assigning any reasons thereof or incurring any liability to the bidders. The University reserves the right not to purchase some part of the complete system as given in Annexure I. Before the deadline for submission of tender, the University may modify the tender document by issuing addendum/corrigendum.
16.	<p>Technical and Qualifying Criteria:</p> <ul style="list-style-type: none"> Vendors may be invited for presentation and clarification to the technical evaluation committee on short notice. Vendor shall assure to maintain the inventory of spare parts after warranty is over for the maintenance of equipment supplied for a period of 5 years. Clarifications may be sought on Technical/Commercial aspects, if felt necessary, before deciding to place the offer. Accuracy & reproducibility of measurements must be demonstrated, without which installation will not be considered complete in working site at Department of Physics and Astrophysics, University of Delhi. Manufacturer must attach document along with their offer in support of fulfilling this clause of the technical specification. Standard samples for the calibration and demonstration should be provided.

	<ul style="list-style-type: none"> • Factory Test Certificates with respect to various parameters mentioned in the specification etc should be enclosed along with the equipment shipment from factory. • One Hard copy of the complete sets of manuals (in English) along with a soft copy should be provided. • User Training: The selected bidder should provide on-site user training at Physics Department, University of Delhi for minimum 3 working days after installation and commissioning of the system. • Printed documents in support of claimed specification should be provided. • Vendor should have executed at least 3 projects in the last five years for the equipment quoted to the Universities or Research Institutes of repute in the Country. Documentary evidence is to be submitted for these 3 projects with complete contact details (Name, address, Tel, Email, etc). A detailed user list in India may also be provided.
17.	System Upgradeability Features: <ul style="list-style-type: none"> • The offered system must be capable of being upgraded in future for the advanced measurements.
18.	Pre-installation requirements & Commissioning: <ul style="list-style-type: none"> • Pre-installation requirements of electrical power, etc. should be mentioned in the quotation. • Installation and commissioning should be done by the supplier's trained engineer(s) of all the items at the work place at our site at our , Department of Physics & Astrophysics, University of Delhi, Delhi, India.
19.	Warranty and spare parts: <ul style="list-style-type: none"> • The offered system must be warranted for a period of 12 months from the date of installation against manufacturing defects. Free replacement/service onsite. • The original equipment manufacturer (OEM) should confirm in writing that the spares for the quoted model will be available for a period of minimum ten years after installation of the instrument. Spares (if any) needed for minimum ten year operation of the system must be quoted as optional. • Items of foreign origin should have insurance up to installation on site. • In case the OEM is bidding through an Indian agent, the OEM should give a written undertaking that they will be responsible for providing the warranty and annual maintenance as per the clauses above, even if there is a change in the Indian agency of the manufacturer. • The undertaking from OEM should also include that if in future, OEM does not have any Indian agency, the service will be provided directly by the service engineer of the OEM without any extra charge.
20.	Discounts/Rebates: The equipment will be used for teaching and basic research in the University of Delhi. Maximum special discounts/rebates should be indicated in the offer.
21.	Arbitration and Settlement of Disputes: University of Delhi and the vendor shall make every effort to resolve amicably, by direct informal negotiation, any disagreement or dispute arising between them under or in connection with the contract. Otherwise, the Vice Chancellor of Delhi University

	shall appoint a Sole Arbitrator of the dispute who will not be related to the contract and whose decision shall be final and binding. Any dispute arising out of this purchase shall be under the jurisdiction of the courts of Delhi.
22.	<p>Eligibility Criteria</p> <p>Only such of the bidders who meet the eligibility criteria specified below will be eligible to respond to this notice inviting tender (NIT). The pre-qualification criteria for the participating bidders are as given below:</p> <ul style="list-style-type: none"> (i) The Bidder should be Registered Firm/Company or OEM / Authorized Dealer/Distributor /Supplier of OEM. As proof of same an attested copy of TIN No. and PAN No should be submitted. Sales Tax & income Tax registration also need to be furnished. Bids from authorized distributors/ dealer/supplier of OEM shall also be accepted, subjected to the furnishing of a certificate from OEM authorizing them to bid on their behalf. (ii) The Bidder should have been in operation for at least three years as of 21 June, 2017 as evidenced by the Certificate of Incorporation and Certificate of Commencement of Business issued by the Registrar of Companies, India. (iii)The bidder should be in the business of supplying Equipment/ Machinery to reputed Educational institutes (Institutions and recognized Universities etc.). (iv) Bidder should not be blacklisted by Central Government, State Government or any other Institute(s) / Organization.

Annexure A

INSTRUCTIONS FOR ONLINE BID SUBMISSION

The bidders are required to submit soft copies of their bids electronically on the CPP Portal, using valid Digital Signature Certificates. The instructions given below are meant to assist the bidders in registering on the CPP Portal, prepare their bids in accordance with the requirements and submitting their bids online on the CPP Portal.

More information useful for submitting online bids on the CPP Portal may be obtained at:
<https://eprocure.gov.in/eprocure/app>.

REGISTRATION

- 1) Bidders are required to enroll on the e-Procurement module of the Central Public Procurement Portal (URL: <https://eprocure.gov.in/eprocure/app>) by clicking on the link “Online bidder Enrolment” on the CPP Portal which is free of charge.
- 2) As part of the enrolment process, the bidders will be required to choose a unique username and assign a password for their accounts.
- 3) Bidders are advised to register their valid email address and mobile numbers as part of the registration process. These would be used for any communication from the CPP Portal.
- 4) Upon enrolment, the bidders will be required to register their valid Digital Signature Certificate (Class II or Class III Certificates with signing key usage) issued by any Certifying Authority recognized by CCA India (e.g. Sify / nCode / eMudhra etc.), with their profile.
- 5) Only one valid DSC should be registered by a bidder. Please note that the bidders are responsible to ensure that they do not lend their DSC’s to others which may lead to misuse.
- 6) Bidder then logs in to the site through the secured log-in by entering their user ID / password and the password of the DSC / e-Token.

SEARCHING FOR TENDER DOCUMENTS

- 1) There are various search options built in the CPP Portal, to facilitate bidders to search active tenders by several parameters. These parameters could include Tender ID, Organization Name, Location, Date, Value, etc. There is also an option of advanced search for tenders, wherein the bidders may combine a number of search parameters such as Organization Name, Form of Contract, Location, Date, Other keywords etc. to search for a tender published on the CPP Portal.
- 2) Once the bidders have selected the tenders they are interested in, they may download the required documents / tender schedules. These tenders can be moved to the respective ‘My Tenders’ folder. This would enable the CPP Portal to intimate the bidders through SMS / email in case there is any corrigendum issued to the tender document.
- 3) The bidder should make a note of the unique Tender ID assigned to each tender, in case they want to obtain any clarification / help from the Helpdesk.

PREPARATION OF BIDS

- 1) Bidder should take into account any corrigendum published on the tender document before submitting their bids.
- 2) Please go through the tender advertisement and the tender document carefully to understand the documents required to be submitted as part of the bid. Please note the number

of covers in which the bid documents have to be submitted, the number of documents - including the names and content of each of the document that need to be submitted. Any deviations from these may lead to rejection of the bid.

3) Bidder, in advance, should get ready the bid documents to be submitted as indicated in the tender document / schedule and generally, they can be in PDF / XLS / RAR / DWF/JPG formats. Bid documents may be scanned with 100 dpi with black and white option which helps in reducing size of the scanned document.

4) To avoid the time and effort required in uploading the same set of standard documents which are required to be submitted as a part of every bid, a provision of uploading such standard documents (e.g. PAN card copy, annual reports, auditor certificates etc.) has been provided to the bidders. Bidders can use "My Space" or "Other Important Documents" area available to them to upload such documents. These documents may be directly submitted from the "My Space" area while submitting a bid, and need not be uploaded again and again. This will lead to reduction in the time, required for bid submission process.

SUBMISSION OF BIDS

1) Bidder should log into the site well in advance for bid submission so that they can upload the bid in time i.e. on or before the bid submission time. Bidder will be responsible for any delay due to other issues.

2) The bidder has to digitally sign and upload the required bid documents one by one as indicated in the tender document.

3) Bidder has to select the payment option as "offline" to pay the tender fee / EMD as applicable and enter details of the instrument.

4) Bidder should prepare the EMD as per the instructions specified in the tender document. The last date of bid submission or as specified in the tender documents. The details of the DD/any other accepted instrument, physically sent, should tally with the details available in the scanned copy and the data entered during bid submission time. Otherwise the uploaded bid will be rejected.

5) Bidders are requested to note that they should necessarily submit their financial bids in the format provided and no other format is acceptable. If the price bid has been given as a standard BoQ format with the tender document, then the same is to be downloaded and to be filled by all the bidders. Bidders are required to download the BoQ file, open it and complete the white coloured (unprotected) cells with their respective financial quotes and other details (such as name of the bidder). No other cells should be changed. After completing all the details, the bidder should save it and submit it online, without changing the filename. If the BoQ file is found to be modified by the bidder, the bid will be rejected.

6) The server time (which is displayed on the bidders' dashboard) will be considered as the standard time for referencing the deadlines for submission of the bids by the bidders, opening of bids etc. The bidders should follow this time during bid submission.

7) All the documents being submitted by the bidders would be encrypted using PKI encryption techniques to ensure the secrecy of the data. The data entered cannot be viewed by unauthorized persons until the time of bid opening. The confidentiality of the bids is maintained using the secured Socket Layer 128 bit encryption technology. Data storage encryption of sensitive fields is done. Any bid document that is uploaded to the server is

subjected to symmetric encryption using a system generated symmetric key. Further this key is subjected to asymmetric encryption using buyers/bid openers public keys. Overall, the uploaded tender documents become readable only after the tender opening by the authorized bid openers.

8) The uploaded tender documents become readable only after the tender opening by the authorized bid openers.

9) Upon the successful and timely submission of bids (ie after Clicking “Freeze Bid Submission” in the portal), the portal will give a successful bid submission message & a bid summary will be displayed with the bid no. and the date & time of submission of the bid with all other relevant details.

10) The bid summary has to be printed and kept as an acknowledgement of the submission of the bid. This acknowledgement may be used as an entry pass for any bid opening meetings.

ASSISTANCE TO BIDDERS

1) Any queries relating to the tender document and the terms and conditions contained therein should be addressed to the Tender Inviting Authority for a tender or the relevant contact person indicated in the tender.

2) Any queries relating to the process of online bid submission or queries relating to CPP Portal in general may be directed to the 24x7 CPP Portal Helpdesk.

Annexure – B

Format for the Technical Bid Electrochemical Workstation / Potentiostat- Galvanostat' in compliant with Impedance Analyser Module, UV-Visible Fibre optic spectrophotometer, Current Booster (as per specifications given below), PC and appropriate software

TECHNICAL BID

1. Name of the Company _____
2. Address (with Tele No. fax No. & E-mail) _____
3. Contact person Name and mobile number _____
4. (a) The number of years of experience in dealing with software business _____
- (b) Total value per year of Business during the last three years _____

(Attested certificate from Chartered Accountant should be attached.)

5. (a) Registration Number _____

VAT number _____

- (b) PAN Number _____

- (c) Service Tax Number _____

6. The required technical specifications of **Electrochemical Workstation / Potentiostat- Galvanostat'** are given below.

(The tenderer must mention the technical details as per the required parameters below. All the parameters must be addressed and the additional parameters of the equipment can also be mentioned.)

ELECTROCHEMICAL WORKSTATION/ Potentiostat-Galvanostat' in compliant with Impedance Analyser Module, UV-Visible Fibre optic spectrophotometer, Current Booster (as per specifications given below)

Required Technical Specifications of Electrochemical Work Station: 01

Compliance voltage: ± 20 V at ± 400 mA

Maximum Output Current: ± 400 mA expandable upto 8A with booster at ± 20 V (Booster should be quoted for same in option)

Output Voltage Range: $\leq \pm 10$ V

Current Ranges: smallest current range: ± 10 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/Ethernet interface for connection with PC

Input bias current: < 1 pA

Input Impedance on electrometer: > 100 G Ω

Technical Specifications of UV Visible fiber optic Spectrophotometer For In-situ Spectro-electro-chemical Studies compatible and controlled via Potentiostat /Galvanostat it should have specifications as per the details given below

UVVIS Fiber Optic Spectrophotometer:01

- A UV-Visible Spectrophotometer with fiber optic probe for measurement of change in Absorbance or transmittance.
- Wavelength Range: 200 nm to 1100 nm, Detector: 2048 Pixel CCD Linear array CCD detector with 50 μm slit.
- Tungsten Halogen and Deuterium Lamp with shutter to facilitate measurement of dark current
- 10 mm path length Cuvette holder for absorbance and emission measurements with 10 mm path length cuvette. Equipped with fiber optic probe for transmission/absorbance measurements in a cuvette.
- Dip type fiber optic probe for transmission and reflection measurement in solutions placed in a beaker and thin film surface, respectively.
- Spectrophotometer to PC connection should be through USB Port.
- It should have dedicated single software package for control of potentiostat & spectrophotometer. Software should have provision to record spectra for dark current, blank measurement, user defined start and stop wavelength, integration time and data analysis.
- **Required** Quartz cuvette 10mm, 1mm -02 nos
- Ag/AgCl reference electrode-01
- Pt Counter electrode in a cuvette-01
- Pt Gauze working electrode- 01

Impedance Analyzer module :01

System should be provided with Impedance Analyzer module with following specification,

- Hardware and software for EIS measurements in potentiostatic and galvanostatic control, over frequency range of 10 μHz to 1 MHz.
- It should be possible to perform EIS measurements over entire frequency range from 10 μHz to 1MHz upto 400 mA currents Signal generator frequency range 10 μHz - 30 MHz (or higher),
- Frequency range in 10 μHz - 1 MHz combination with potentiostat/galvanostat. Frequency resolution atleast 0.003%, Input range ± 10 V.
- Data presentation: Nyquist, Bode, Admittance, Dielectric, Mott- Schottky, Data analysis: Fit and Simulation, Find circle, Element subtraction

Optional Current Booster:

Current booster to enhance the maximum current of the system.

Specifications: Max Compliance Voltage: $\leq \pm 20$ Volts, Maximum Output Potential: $\leq \pm 10$ Volts, Maximum Current: $\leq \pm 8$ Amp, Accuracy: $\pm 0.5\%$, Operation Mode: Potentiostatic and Galvanostatic. All cables should be noiseless with adequate length.

Electrochemical Software:

Software should have facility to record additional signal viz EQCM, bi-potentiostat etc. Import/export ASCII. Ready-to-use Vis & 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, Tafel Plots, Differential Pulse Voltammetry, Square Wave Voltammetry. Electrochemical methods like Chrono-Amperometry, Chrono-Coulometry & Chrono-Potentiometry.

It should have corrosion software including LPR, cyclic polarization, critical potential, tafel etc. Solar Photovoltaic software, Battery/Fuel cell software, Equivalent circuit fitting software. Battery/Super capacitor testing software including Impedance measurement facility, constant load discharge, constant current, constant power etc. Voltammetry software (including CV, LSV etc).

Required Basic Electrochemical Cell Setup

	Quantity
Base plate with stand rod-	One
Cell vessel lid with sleeve	- One
Glass vessel-	- One
Stoppers, mounting ring	One
Working Electrode- 1nos	
Ag/AgCl Reference Electrode with double junction with cables-	One
Pt Wire Counter Electrode-	One
Polishing set-	Two
Gas inlet and overflow tube-	One
Glassy carbon 2mm electrode tip-	One
Pt 2mm electrode tip-	One

Required Screen printed Electrodes

An adapter/holder for screen printed electrode (SPE) should be provided which can be used for connecting SPE with the instrument. It should be compatible with electrochemical cell with vessel 5-10ml and suitable holder.

Quantity of Screen printed electrodes: Carbon(30nos), Au(30nos), Pt(15nos)

Other Requirements, Terms and Conditions

All necessary accessories and spares to be quoted along with the system for smooth functioning. Suitable connectors and Cables to be provided with all required accessories. One dedicated PC with I5 processor or higher version and atleast 2GB RAM and original licensed window 7/ 10 and 24" TFT monitor must be supplied and interfaced with system.

Compliance should be provided (with authentic documents) along with the quote

Annexure C

Commercial/Financial/Price bid for **Electrochemical Workstation / Potentiostat-Galvanostat** Should be prepared in the following format

S. No.	Description	Price Foreign Currency/Indian Rupee	
1	<p><u>Main Unit</u>(Model No.):</p> <p>Electrochemical Workstation / Potentiostat-Galvanostat All parts and accessories (UV vis spectrophotometer, Impedance Analyser, Current Booster, PC, etc.) to be described.</p> <p>Main unit Includes all parts, and accessories as per required technical specifications Other optional accessories required for successful <u>installation</u> and <u>commissioning</u> and <u>running</u> of the equipment may be quoted by the vendor.</p> <p><u>Prices of all parts/accessories included in the main unit should be mentioned separately.</u></p> <p>(One consolidated price for the total unit is not acceptable)</p>		
2	Total price Ex-works		
3	Educational Discount offered (%)		
4	Total price after discount		
5	Packing and Forwarding		
6	Freight and Insurance		
7	Grand Total, CIF, Delhi Airport		
8	Any indigenous supply of computers/printers being provided with the cost price in Indian rupee/included in the main unit should be mentioned separately		
9	Optional items (if any) - Price and discount offered		

Annexure – I

Covering letter

(Format of the letter to be submitted by the Vendor on company's LETTER-HEAD)

To
The Registrar
University of Delhi
Delhi-110007

Date:

Dear Sir,

Sub: Your tender for Supply & Installation of **Electrochemical Workstation / Potentiostat-Galvanostat** as per specifications in your Tender.

With reference to your tender, and after having examined and understood the instructions, terms and conditions specified in the tender, we hereby enclose our offer for the supply of the following items as detailed in your tender.

Equipment description	Make and Model offered	Tender Reference No.

We further declare that

1. I/ We have downloaded / obtained the tender document(s) for the above mentioned 'Tender' from the web site(s) namely: as per your advertisement, given in the above mentioned website(s).
2. I / We hereby certify that I / we have read the entire terms and conditions of the tender documents from Page No. to (including all documents like annexure(s), schedule(s), etc ..), which form part of the contract agreement and I / we shall abide hereby by the terms / conditions / clauses contained therein.
3. The corrigendum(s) issued from time to time by your department/ organisation too have also been taken into consideration, while submitting this acceptance letter.
4. I / We hereby unconditionally accept the tender conditions of above mentioned tender document(s) /corrigendum(s) in its totality / entirety.
5. I / We do hereby declare that our Firm has not been blacklisted/ debarred by any Govt. Department/Public sector undertaking.
6. I / We certify that all information furnished by our Firm is true & correct and in the event that the information is found to be incorrect/untrue or found violated, then your department/ organization shall without giving any notice or reason therefore or

summarily reject the bid or terminate the contract , without prejudice to any other rights or remedy including the forfeiture of the full said earnest money deposit absolutely.

We further confirm that the offer is in conformity with the terms and conditions as mentioned in your above referred letter and enclosures. We also understand that the University is not bound to accept the offer either in part or in full and that the University has right to reject the offer in full or in part without assigning any reasons, whatsoever.

a) We have uploaded a scanned copy of the required (bank guarantee + EMD amount) favoring University of Delhi issued by

..... (Name of the Bank),

..... (Branch address)

.....(Date),

and is payable at Delhi, towards Earnest Money Deposit (**EMD**)

b) A hard copy of the original signed + stamped EMD document shall be submitted via physical submission.

Yours faithfully,

Authorized Signatories

(Name & Designation, seal of the firm)

Date:

Annexure II

(Note: This EMD bank guarantee certificate should be prepared by the vendor on a **Non judicial stamp paper** of Rs. 100/-)

Earnest Money Deposit Bank Guarantee

To
The Registrar
University of Delhi
Delhi-110007

Dear Sir,

Supply & Installation of “Quotations for -----(give Tender Reference No.)

WHEREAS

The University of Delhi located at Delhi (hereinafter called the University) has invited tenders for the Supply & Installation of “.....” on the terms and conditions mentioned in the tender document.

1. It is one of the terms of invitation of tenders that the tenderer shall furnish a Bank Guarantee as detailed in the tender document Clause 6 as **Earnest Money Deposit**.
2. M/s _____, (hereinafter called as Tenderer), who are our constituents intend to submit their tender for the said equipments and have requested us to furnish guarantee to the ‘University’ in respect of the said sum of Rs. -----
--/ (Rupees----- only)

NOW THIS GUARANTEE WITNESSETH

1. We _____ (NAME OF THE BANK) do hereby agree with and undertake to the University of Delhi, their Successors, Assigns that in the event of the University of Delhi coming to the conclusion that the Tenderer have not performed their obligations under the said conditions of the tender or have committed a breach thereof, which conclusion shall be binding on us as well as the said Tenderer, we shall on demand by the University of Delhi, pay without demur to the University of Delhi, a sum of Rs. -----/(Rupees ----- only) or any lower amount that may be demanded by the University of Delhi. Our guarantee shall be treated as equivalent to the Earnest Money Deposit for the due performance of the obligations of the Tenderer under the said Conditions, provided, however, that our liability against such sum shall not exceed the sum of Rs. -----/(Rupees ----- only).
2. We also agree to undertake to and confirm that the sum not exceeding Rs. -----/(Rupees -----only) as aforesaid shall be paid by us without any demur or protest, merely on demand from the University of Delhi on receipt of a notice in writing stating the amount is due to them and we shall not ask for any further proof or evidence and the notice

from the University of Delhi shall be conclusive and binding on us and shall not be questioned by us in any respect or manner whatsoever.

We undertake to pay the amount claimed by the University of Delhi within a period of one week from the date of receipt of the notice as aforesaid.

3. We confirm that our obligation to the University of Delhi under this guarantee shall be independent of the agreement or agreements or other understandings between the University of Delhi and the Tenderer. This guarantee shall not be revoked by us without prior consent in writing to the University of Delhi.

We hereby further agree that

- Any forbearance or commission on the part of the University of Delhi in enforcing the conditions of the said agreement or in compliance with any of the terms and conditions stipulated in the said tender and/or hereunder or granting of any time or showing of any indulgence by the University of Delhi to the Tenderer or any other matters in connection therewith shall not discharge us in any way our obligation under this guarantee. This guarantee shall be discharged only by the performance by the Tenderers of their obligations and in the event of their failure to do so, by payment by us of the sum not exceeding Rs. ----- (Rupees -----only)
- Our liability under these presents shall not exceed the sum of Rs. ----- (Rupees -----only)
- Our liability under this agreement shall not be affected by any infirmity or irregularity on the part of our said constituents in tendering for the said work or their obligations there under or by dissolution or change in the constitution of our said constituents.
- This guarantee shall remain in force up toprovided that if so desired by the University of Delhi, this guarantee shall be renewed for a further period as may be indicated by them on the same terms and conditions as contained herein.
- Our liability under this presents will terminate unless these presents are renewed as provided hereinabove on theor on the day when our said constituents comply with their obligations, as to which a certificate in writing by the University of Delhi alone is the conclusive proof whichever date is later. Unless a claim or suit or action is filed against us within six months from that date or any extended period, all the rights of the University of Delhi against us under this guarantee shall be forfeited and we shall be released and discharged from all our obligations and liabilities hereunder.

Yours' faithfully,

For and on behalf of _____ Bank

Authorized official

(Note: This guarantee will require stamp duty (**Rs. 100/-**) as applicable and shall be signed by the official whose signature and authority shall be verified).

Annexure III

(**Note:** This letter of authority should be on the **Letter-Head** of the manufacturing concern, and should be signed by a competent person of the manufacturer)

Manufacturer’s Authorization Form (MAF)

Ref: No.

Date.....

To
The Registrar
University of Delhi
Delhi-110007

Dear Sir,

Tender Reference

We.....who are established and reputable manufacturers of.....having factories at.....and.....do hereby authorize M/s.(Name and address of Representative/Agent/Dealer) to offer, negotiate and conclude the contract with you against the above invitation for tender offer.

We hereby extend our full guarantee and warranty as per terms and conditions of the tender, and the contract for the equipment and services offered against this invitation for tender.

Yours faithfully,

Authorized Signatories
(Name & Designation)
Date:

Annexure - IV

(**Note:** This letter of authority should be on the **Letter-Head** of the manufacturing concern and should be signed by a competent person of the manufacturer)

Company Profile

Details filled in this form must be accompanied by sufficient documentary evidence, in order to verify the correctness of the information.

S.No.	Item	Details
1.	Name of Company	
2.	Mailing Address	
3.	Telephone and Fax numbers	
4.	Date of registration of the Company	
5.	Year of commencement of Business	
6.	Name and designation of the person authorized to make commitments to the University	
7.	Contact details of the person authorized to make commitments to the University	
8.	Turn-over of the company 2013-2014 2014-2015 2015-2016	
9.	Profit of the company 2013-2014 2014-2015 2015-2016	
10.	Sales Tax Number/ TIN Number	
11.	PAN Number	
12.	Whether direct manufacturer (OEM) or authorized dealer/representative	

Signature (Name & Designation)

Date:

Annexure V

(**Note:** This letter should be on the **Letter-Head** of the manufacturing Concern and should be signed by a competent person of the manufacturer)

CERTIFICATE FROM THE VENDOR STATING THAT THE COMPANY HAS NOT BEEN BLACKLISTED BY ANY GOVERNMENT ORGANISATION

The Registrar
University of Delhi
Delhi

Dear Sir,

This is to certify that M/s_____ has not been black listed by any Government Organization before submission of the tender document.

Yours faithfully,

Authorized Signatory

Name:

Designation:

Date:

For and on behalf of M/s_____

Annexure VI

Details of 3 major Projects

(**Note:** This letter of authority should be on the **Letter-Head** of the manufacturing concern and should be signed by a competent person representing the manufacturer.)

To
The Registrar
University of Delhi
Delhi-110007

Dear Sir,

We hereby certify that we have executed the following 3 projects to completion on similar items (.....) as offered in the present tender to other Government-Organizations/Educational-Institutions/Universities/Govt. funded Research – Labs, or institutes.

Note: Please quote only those projects which are of substantial value.

Name of the Vendor _____

S. No.	Name of the Client	Equipment Supplied	Clients Contact Details (Including Name, E-mail, Phone & address)

Signature (Name & Designation)
Date:

Annexure VII

(**Note:** This letter of authority should be on the **Letter-Head** of the manufacturing Concern and should be signed by a competent person of the manufacturer.)

To
The Registrar
University of Delhi
Delhi-110007

Details of service and support

Name of the Vendor _____

S. No.	Place	Own Office/Franchise	Postal Address	Contact Person & Contact Details	Number of engineers	Service Facilities available (Describe in detail)

Signature
Name:
Designation

Date:

Annexure VIII

(Note: This letter of authority should be on the Letter-Head of the manufacturing concern and should be signed by a competent person of the manufacturer.)

Warranty Compliance Statement

The Registrar
University of Delhi
Delhi-110007

Dear Sir,

Subject: Supply & Installation of

This bears reference to our quotation Ref _____ Dated _____.

We warrant that everything to be supplied by us shall be brand new, free from all defects and faults in material, workmanship and manufacture, and shall be of the highest grade, quality, and consistent with the established standards for materials specification, drawings or samples, if any, and shall operate properly. We shall be fully responsible for its efficient operation.

We also confirm that all service related complaints will be attended within a period of one to two days.

During the warranty period of Three years, in case the equipment fails, we will provide all services to complete repairs within a week free of charge.

Yours faithfully
Signature (Name & Designation)
Date:

Annexure IX

Deviation in Technical specifications offered by the bidder (To be attached with the **Technical bid**)

The Registrar
University of Delhi
Delhi-110007

Deviations from Technical Specifications, and Terms and Conditions of the Tender

S. No.	Tender Document Clause	Technical Specification, Or terms and conditions in the Tender document	Deviation offered	Reasons and whether deviation adds to the operational efficiency in case of the systems
1				
2				
3				
4				
5				
6				

Note:

- Above information in detail should be furnished separately for each of the items
- Also in case of deviations from any of the terms and conditions of the tender.
- If any deviations from the technical specifications are warranted, reasons for such variations should be specified, and

Whether such variations add to improvement of the overall performance of the systems (if any), should be specifically mentioned and supported by relevant technical documentation as required above.

Signature
(Name & Designation)
Authorized official of the company

Date:

Annexure X

(**Note:** This document to be enclosed is to be uploaded along with the price bid.)

Commercial Deviation

Bidders Name & Address:

To,
The Registrar
University Of Delhi
Delhi-110007

Sub: Supply & Installation ofFor Delhi University

The following are the Commercial Deviations and variations from and exceptions to the specifications and documents for the subject package. Except for these deviations, the entire work shall be performed as per your specifications & documents.

Clause	Ref./ Page No.	As specified in the specification	Commercial Deviation and variation to the specification	Withdrawal price in Rs.

Date:
(Signature).....
Place:

