



Guru Gobind Singh Indraprastha University

Sector 16C, Dwarka, New Delhi -110078

Website: <http://ipu.ac.in>

Phone No. 011-25302444

011-25302446

Dated: 15.11.2018

TENDER No.02/CEPS/MNRE/GGSIPU/2018-19

E-TENDER (NIT)

Registrar, Guru Gobind Singh Indraprastha University invites e-tender from reputed and eligible firms in two bid system (Technical & Financial) for the **supply & installation of Electrochemical Workstation with Photo-Electrochemical Set-Up & Accessories for CEPS under MNRE Project**, at Sector 16C, Dwarka, New Delhi-110078. Tender document can also be downloaded from Delhi Govt. e-procurement website i.e. www.govtprocurement.delhi.gov.in. The details of Tender document can also be viewed from University Website <http://ipu.ac.in>.

1.	Name of work	Supply & installation of Electrochemical Workstation with Photo-Electrochemical Set-Up & Accessories for CEPS under MNRE Project at Guru Gobind Singh Indraprastha University, Sector 16 C, Dwarka, New Delhi – 110078
2.	The EMD alongwith covering letter must be submitted as per the last date, time and venue for submission (No other documents need to be submitted in hard copy). The last date and time of uploading technical and financial bid on e-procurement website.	06.12.2018 Upto 01.00 p.m. in the office of Director (CEPS), CEPS Sheds, GGSIPU, Sector 16 C, Dwarka, New Delhi – 110078
3.	Date and time for opening of Technical bid	06.12.2018 at 02.30 p.m.
4.	EMD	Rs.50,000/- (Rupees Fifty Thousand Only) in favour of Registrar, GGSIP University payable at Delhi
5.	Cost of Works	Rs.24 Lacs (approximate)
6.	The bids shall be submitted in two stages viz.(i) <i>Technical bid</i> (ii) <i>Financial bid</i> . Detailed specification of the item(s) to be supplied is placed at Section-III Annexure-G . The Technical & Financial bid should be uploaded on e-procurement website i.e. www.govtprocurement.delhi.gov.in (No documents need to be submitted in hard copy other than EMD).	
7.	Financial bid shall be opened after evaluation of technical bid and the date & time will be notified, thereafter on e-tender website www.govtprocurement.delhi.gov.in	

(REGISTRAR)



GURU GOBIND SINGH
INDRAPRASTHA
UNIVERSITY

TENDER DOCUMENT

FOR

**Supply & installation of Electrochemical Workstation
with Photo-Electrochemical Set-Up & Accessories for
CEPS under MNRE Project**

AT

Guru Gobind Singh Indraprastha University
[A state University under Govt. of NCT of Delhi]
Sector 16 C, Dwarka, New Delhi 110 078

Director, CEPS
CEPS Sheds
GGSIPU, Sector 16C, Dwarka, New Delhi 110078
Contact Nos.011 25302446-444
Email :aknarula@ipu.ac.in

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NOTICE INVITING TENDER

Registrar, Guru Gobind Singh Indraprastha University (GGSIPU) invites e-tender (in two bid system – Part I & II) from reputed and experienced firms for the following stores on Supply & installation basis:

1. **Particulars of Items:** Details of the items with specification is mentioned at **Annexure-G**
2. **Completion period:** Supply and installation within 45 days from the date of issue of award of the tender/issue of Purchase Order, whichever is later.
3. **Availability of Tender Document:** Tender Documents with detail terms & conditions can be downloaded from Delhi govt. e-procurement website.
4. **Qualification of the Tenderer:** The bidder must upload the document on e-procurement website as per the tender clause 14.
5. **Validity Period of Offer:** Validity period of the bid is one hundred and eighty (180) days from the date of opening of (Technical bid) of the Tender.
6. **Receipt and opening of Tenders:** The EMD along with covering letter **only** to reach to the office on or before 06.12.2018 before 01.00 PM. The Technical Bid will be opened on the same day at 02.30 pm.
7. The required EMD (item wise mentioned at Annexure-G) in favour of Registrar, GGSIP University **payable at Delhi** as stated above in the form of DD or FDR must be reached to the office as per date and time failing which the offer will be treated as non-responsive.
8. GGSIPU reserve the right to accept or reject any or all the tenders wholly or partially without assigning any reason thereof.

SECTION-I

INSTRUCTIONS TO BIDDERS

9.0 Scope

The work consists of:

9.1 **Supply & installation of Electrochemical Workstation with Photo-Electrochemical Set-Up & Accessories for CEPS under MNRE Project** at University Campus at Sector-16C, Dwarka, New Delhi as per specification in **Section-III (Annexure-G)**.

9.2 Comprehensive on-site **warranty** for a period of **36 months** from the last date of completion/ installation for all the items supplied as certified by the University.

10.0 Definitions:

10.1 **GGSIPIU** means Guru Gobind Singh Indraprastha University, Delhi established under Guru Gobind Singh Indraprastha University Act, 1998.

10.2 **University** means Guru Gobind Singh Indraprastha University, Delhi

10.3 **Employer** means the Registrar, GGSIPU

10.4 **Bidder** means the Manufacturer/Vendor/Firm

10.5 **“Year”** means “Financial year” unless stated otherwise.

11.0 Who can apply:

11.1 If the bidder is a proprietary firm, the application shall be signed by the proprietor with his full typewritten name and the full name of his firm with its current address, Contact details etc.

11.2 If the bidder is a firm in partnership, the application shall be signed by all partners of the firm with their full typewritten names and current addresses, or alternatively, by a partner holding power of attorney for the firm. In the latter case a certified copy of the power of attorney should accompany the application. In both cases, a certified copy of partnership deed and current address of all the partners of the firm should accompany the application.

11.3 If the bidder is a limited company or a corporation, the application shall be signed by a duly authorized person holding power of attorney for signing the application accompanied by a certified copy of the power of attorney. The bidder should also furnish a certified copy of the Memorandum and Articles of Association duly attested by a Public Notary.

11.4 **Joint Venture/ Consortiums are not accepted.**

12.0 Sealing and Marking of Bids

12.1 Technical bid must be submitted on e-procurement website of each item and the respective EMD only should be submitted in the office.

12.2 The bidder shall place envelope marked as **“Earnest Money Deposit”** alongwith covering letter must be submitted in hard copy (No other documents need to be submit in hard copy) the envelop shall be addressed to Director (CEPS), CEPS Sheds, Guru Gobind Singh Indraprastha University, Sector 16C, Dwarka, New Delhi – 110078.

12.3 The envelope containing EMD shall indicate the name and address of the bidder to enable the bid to be returned unopened in case it is declared late or is declared non-responsive.

13.0 Bid Submission:

13.1 The envelop named **“Earnest Money Deposit”** shall comprise of EMD amount of the tender document and the document comprise of the technical bids should be uploaded on e-procurement website i.e. www.govtprocurement.delhi.gov.in **only** (Not to be submitted in hard copy)

- 13.2 The “Financial Bid” and shall comprise of the price bids uploaded on e-tender website i.e. www.govtprocurement.delhi.gov.in
- 13.3 Each page of the Technical Bid, Tender Document must be signed by the authorized signatory of the bidder.
- 13.4 Conditions other than those laid down in the Tender document will not be entertained.

14.0 Eligibility Criteria for Technical Bid

Only EMD alongwith covering letter must be submitted in hard copy as per the date and time mentioned above (No other documents need to be submitted in hard copy).

The formats/Annexure for the documents to be submitted, with Technical bids are placed at **Section – II (Annexure – A, A1, A2 to Annexure H):**

14.1	Letter of Transmittal	Annexure – A
	Declaration by Bidder	Annexure – A1
	Compliance to Bid Requirement	Annexure – A2
	A declaration by the manufacturer/firm/vendor as to the probable date of manufacture of the item for which financial bid has been made.	Annexure – A 3
14.2	Organizational Structure: - Legal status of the company/ organization with legal proof along with certified copies.	Annexure - B
14.3	Income Tax Registration (PAN No.),	Attach certified copies
	GST Registration Number	
14.4	Average financial turnover of Rs.10 lacs during the immediate last three consecutive financial years, duly audited, signed & stamped by a Chartered Accountant.	Annexure C
	The bidder should not have incurred losses in more than two years in the last 3 consecutive financial years, duly certified by Chartered Accountant, along with copies of audited profit and loss account of last three years	
14.5	Firm should have executed atleast one single order of same and similar nature of Equipment in the last three financial years. Explanation: Same and Similar nature of lab equipment means the work of supply and installation of similar or equivalent lab equipments mentioned at Annexure-G in public sector undertaking, Govt. department, Educational Institutions, Research Institutional or in reputed private sector. This should be certified by an authorized officer of the client organization on its letter-head.	Annexure D
14.6	That the bidder/ organization has not been blacklisted/debarred by any of the government/ public sector agencies in India in the last 3 years. A declaration of fair business practice by the Bidder.	Annexure – E
14.7	The intending bidder must submit compliance report of the each item of the bid.	Attach compliance report
14.8	Printed and proper circulated catalog for the quoted similar items be submitted along with the tender document	Attach copy of proof

15.0 Opening of Technical Bids & Evaluation:-

- 15.1 The details submitted by the bidders will be evaluated in the following manner:
- 15.2 The “initial eligibility criteria” prescribed in para 14.1 to 14.10 above in respect of experience in similar class of works completed, financial turnover, profitability and valid registrations will first be scrutinized.
- 15.3 Examination of the specification of all the items will be done by specialized specification evaluation committee.
- 15.4 Even though any bidder may satisfy the above requirements, he/she would be liable to disqualification if he/she has:-
- 15.5 Made misleading or false representation or deliberately suppressed the information in the forms, statements and enclosures required in the eligibility criteria document.

15.6 Record of poor performance such as abandoning work, not properly completing the contract, or financial failures/weaknesses etc.

15.7 Opening of Financial bid and evaluation:

After the Technical evaluation of the bids, the University will open the 'Financial Bids' of only those bidders who have qualified in the Technical Eligibility Criteria as per Clause 14, at notified time, date and place, if any. The lowest financial bidder shall only be considered for award of work.

16.0 Earnest Money Deposit:

16.1 The Earnest Money Deposit (EMD) alongwith covering letter must be submitted in hard copy as per date and time mentioned above (see Clause 7). The Earnest money shall be accepted in the following forms and shall be in favour of "Registrar, GGSIPU", payable at Delhi:-

1. Fixed deposit receipt (FDR)/BG (Bank Guarantee), the EMD/BG shall remain valid for a period of 45 days beyond the final bid validity period.

16.2 Tenders with no earnest money deposit will summarily be rejected. In case of successful bidder of the financial bids, the earnest money will be returned after obtaining the required 10% Performance Security.

16.3 In the case of unsuccessful bidders, the Earnest Money Deposit will be refunded without any interest after expiry of the final bid validity and latest on or before the 30th day after award of contract.

17.0 Financial Bid:

17.1 The bidder shall quote unit item rates in INR/USD/British Pound/Euro etc., as the case may be, both in words and figures in the Financial Bid only. Exchange Rate on the date of opening of financial bid will be taken into account for evaluation purpose only. No alterations in the form of tender, in the schedule of quantities or additions (Financial Bid) etc. shall be permitted. In case of difference between the rates of items written in figures and in words, the rates of items written in words shall be taken as correct. No changes in unit rates shall be allowed. The rates quoted in schedule of quantity (Financial Bid) are for finished and completed items and no extra amount for cartage or transporting material, labour etc. shall be paid. The rates should be inclusive of all loads and lifts for all materials for the completed items and also include all taxes, insurance, royalties etc. as applicable. Indian Supplier has to quote the all inclusive of rate product i.e. freight, insurance, packing, handling, assembling, installation, commissioning upto the University or as given in the work order.

In case of foreign manufacture, supplying the equipment through its authorized agent in India CIP **GGSIPU**, Delhi will be considered in financial bids. However, custom duties as applicable against production of custom duty exemption certificate will be borne by the University through its agent. However, the handling of the equipment will be strictly in the supervision of authorized agent of vendor in India. No liability in case of any damage, miss handling will be accepted by the University in any case.

18.0 General:

18.1 All information called for in the enclosed forms should be furnished against the relevant places in the forms. If for any reason, information is furnished on a separate sheet, this fact should be mentioned against at the relevant place. Even if no information is to be provided in a column, a "Nil" or "No Such Case" entry should be made in that column. If any particular/query is not applicable in case of the bidder, it should be stated as "not applicable". The bidders are cautioned that incomplete information called for in the tender document or deliberate suppression of any information may result in the bid being summarily disqualified. Bids received after the expiry of the stipulated date and time mentioned in the tender document will not be entertained.

18.2 Overwriting should be avoided. Correction, if any, should be made by neatly crossing out, initialing with date and rewriting. Pages of the eligibility criteria document are to be numbered. Additional sheets, if any added by the bidder, should also be numbered. Bid should be submitted as a package with signed letter of transmittal.

- 18.3 References, information and certificates from the respective clients certifying suitability, technical knowledge or capability of the bidder should be signed by officer of the client organization with name & designation.
- 18.4 The bidder may furnish any additional information which he thinks is necessary to establish his capabilities to successfully complete the envisaged work. He is, however, advised not to furnish superfluous information. No information shall be entertained after submission of tender document unless it is called for by the University.
- 18.5 Any information furnished by the bidder found to be incorrect either immediately or at a later date, would render him liable to be debarred from tendering/taking up of any work in GGSIPU **which may also result in forfeiture of EMD/performance security.**
- 18.6 The successful bidder shall have to work in co-ordination and co-operation with any other agencies appointed by the University to work simultaneously in the same or adjoining area. The decision of the University in case of any dispute between the different agencies appointed by the University shall be final and a binding.
- 18.7 Income tax, Works Contract Tax and any other tax at the rates in force during the progress of contract / **award of work** that will be in force from time to time shall be recovered / deducted from the released payment amount.
- 18.8 GST or any other tax on material applicable would be paid by the University.
- 18.9 The bidder shall have to make his own arrangement at no extra cost to the University for water Supply & Installation, sanitation and electric Supply & Installation etc. at the site of work.
- 18.10 On acceptance of the tender, the name of the accredited representative(s) of the firm who would be responsible for taking instructions from the University shall be communicated in writing to the Registrar.
- 18.11 If the bidder shall obtain a contract with GGSIPU as a result of wrong tendering or other non-bonafide methods of competitive tendering, the University reserves the right to terminate the contract without any liability to the firm, which may also result to forfeiture of EMD/performance security.
- 18.12 Without prejudice to any of the rights or remedies under this contract if the firm dies, the University shall have the option of terminating the contract without compensation to the legal heir of the firm.
- 18.13 Escalation: Increase in rates of material / Labour shall not be payable on any account. Price quoted shall be firm and no escalation will be allowed on any account.
- 19.0 Scope of Works**
The Scope of work shall consist, Supply & Installation, erection and placing in position at site, complete in all respects, and its maintenance during warranty period and CMC for items mentioned at clause 1. as per specification given under Section III, if any.
- 19.1 Specification for Work and Quality**
The procurement of various materials shall be either from the manufacturers or their main authorized dealers to ensure that no duplicate/spurious makes are used in the works. The entire work shall be warranted for a period of 36 **months** against defective material with liability of replacement or to the satisfaction of the University.
- 19.2 Safety and Security**
Safety and Security of workers/staff, material, equipments, etc. will be the responsibility of the firm. The university will not be held responsible on this account
- 19.3 The University reserves the right, without being liable for any damages or obligation to inform the bidder, to:
(a) Amend the scope and value of contract to the bidder.
(b) Reject any or all the applications without assigning any reason.
- 19.4 Any effort on the part of the bidder or his agent to exercise influence or to pressurize the University would result in rejection of his bid. Canvassing to any kind is prohibited.

- 19.5 The necessary training and technical support will be provided to at least 1 persons for the period of 2 weeks by the company
- 19.6 All the necessary manuals, documentations (2 Sets) will be provided in hard and soft form by the supplier only.
- 19.7 The commissioning and complete installation of all the equipment/machinery, including civil work, electrical work, pneumatic power supply etc. as per the setup finalized by the committee will be done by the supplier only, if any.
- 19.8 **Default in After Sales Services:** In the event of any default and/or unsatisfactory after sales service by the tenderer, the competent authority of the institute will be at liberty to repair/get the item repaired/serviced from other source/party at his/their cost.
- 19.9 In case of software items, the suppliers should ensure that:
- a) Legal software is supplied in original sealed pouches/P.K.T.
 - b) A license agreement is enclosed with it
 - c) A registration card is available in software.
- 19.10.1 The bidder who will qualify the technical evaluation shall give demonstration of the software to the technical members of the committee. Price bids of only those bidders will be considered whose demonstration will be found satisfactory by the technical members of the committee.

20.0 Final decision making authority

The University reserves the right to accept or reject any bid and to annul the process and reject all bids at any time, without assigning any reason or incurring any liability to the bidders. No claim whatsoever will be entertained / paid by the university to the bidder (s).

21.0 Summary Rejection of tender:

- 21.1 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.

22.0 Particular provisions

- 22.1 The University reserves the right to execute the work or reject the tender without assigning any reason or incurring any liability to the bidder.
- 22.2 The University has the power to make alteration in, omission from, addition of or substitution for the original specifications, drawings, designs.

23.0 Amendment of tender document:

- 23.1 Before the deadline for submission of tender, the University may modify the tender document by issuing addenda.
- 23.2 Any addendum thus issued shall be a part of the tender document and shall be uploaded on the e-procurement website (www.govtprocurement.delhi.gov.in). Prospective bidders must visit the website before filling and submission of Tender Document for such information.

24.0 Validity of Tender:

Ninety Day (90 days) from the date of opening of **Technical Bid** of the tender. During this period no bidder shall be allowed to modify/withdraw his tender. In case of withdrawal, the EMD submitted by the bidder shall be forfeited and no claim shall be entertained on this regard.

25.0 Performance Guarantee:

- 25.1 The successful bidder shall be required to furnish a Performance Guarantee of 10% of the total tendered value after successfully installation of the product at site. The Performance Guarantee should be valid up to 38 months from the date of installation. The Performance Guarantee shall be accepted in the following form and shall be in favour of "Registrar, GGSIPU", payable at Delhi with a validity of months as under:-

- i. Fixed deposit receipt (FDR) of a nationalized bank (38 months validity)
- ii. Bank Guarantee (As per Annexure-H) (38 months validity)

- 25.2 Performance Guarantee will be refunded after completion of the warrantee period as per clause 26.
- 25.3 In case of non submission of Performance Guarantee within specified time, the earnest money will be forfeited and the University may consider to black list/de-bar the firm.
- 25.4 In case a fixed deposit receipt/ Bank Guarantee of any bank is furnished by the firm to the University as part of the Performance Guarantee and the Bank is unable to make payment against the said instrument. The loss caused thereby shall fall on the firm and the firm shall forthwith on demand furnish additional security to the University to make good the deficit.

26.0 Warranty

The bidder shall provide comprehensive on-site **maintenance and warranty** for a period of **36 months** for all items from the last date of completion / installation as certified issued by the University and shall be responsible for any defects that develop in the item. They shall also replace any defective part of the product supplied and other accessories, without any exception and recourse, free of cost. The bidder is responsible for all packing, unpacking, assembly, installation of units. The bidder will test the products and accomplish the adjustments necessary for successful and continuous operation of the products supplied at all installation sites and shall ensure maintenance of the supplied products during the warranty period. All the repairing / replacing of defects shall be done by the bidder totally free of cost.

- 26.1 Comprehensive on-site **warranty** for a period of **36 months** from the last date of completion/ installation for all the items supplied as certified by the University.
- 26.2 Vendor should produce authorization letter from OEM.

27.0 CMC

After the expiring of warranty of 3 years' a Comprehensive maintenance contract for two years including all spares, electronic parts, boards, hardware consumables shall be entered into. Anything which is not covered under CMC should be quoted. Conditional warranty will not be accepted. One preventive maintenance kit should be provided every year for complete period of [3 years warranty + 2 years CMC].

Rate must be quoted separately for CMC, and the CMC rate would be considered along with unit price of the instrument for selecting the L-1 bidder for a competitive price, however the amount for CMC will be paid to the vendor after completion of warranty period in a regular interval of six monthly period.

Note:- The bidder shall provide 36 months Warranty (on site and comprehensive) on all items from the last date of installation and shall be responsible for any defects that develop in the Lab item. They shall also replace any defective part of the product supplied and other accessories, without any exception and recourse, free of cost. The period of warrantee will automatically treated as extended beyond 36 months if the instrument remains non-functional more than 15 days after reporting non-functional.

All the parameters and technological features claimed should be supported with clear technical brochure for our reference and should be demonstrated at the time of installation.

- 27.1 Rates for CMC should be quoted separately.
- 27.2 However, this CMC will be subject to approval of Competent Authority and to be decided in the final year of warranty but before its expiry.
- 27.3 The amount of CMC shall be paid proportionately for every six months in advance to the amount claimed for 2 years for every six months in advance.

28.0 Duration

The items covered under this tender are required to be delivered and installed at University Campus at Sector 16C, Dwarka, New Delhi **within 45 days**, as specified in delivery schedule submitted by bidder.

29.0 Payment Terms

- 29.1 100% irrevocable & confirmed Letter of Credit will be opened in the bank, LC will be issued only in case of foreign suppliers. However, incase of material manufactured indigenously in India, the payment

will be released after complete installation, training and receipt of performance guarantee of the product.

29.2 Each invoice should be submitted in duplicate clearly specifying contact no, goods description, quantity, unit price, total amount along with warranty certificate, etc.

29.3 No advance payment will be made under any circumstances.

30.0 Delay and Non Conformance

30.1 If the bidder fails to Install the Equipment within the period specified in the Purchase Order, University shall without prejudice to its other remedies under the Purchase Order, deduct from the contract price, as liquidated damages, a sum equivalent to 1% (one percent) of the contract price of the delayed goods weekly or part thereof of delay until actual delivery. The penalties will be maximum of 10% of the contract amount / awarded value.

30.2 In case of extraordinary delay or beyond 30 days of stipulated delivery period, University reserves the right to terminate the contract, without any liability to cancellation charges, forfeit/en-cash the submitted Performance Guarantee and blacklist/debarred the defaulting firm.

31.0 Services during warranty period

31.1 The maximum response time for maintenance complaint during warranty period (i.e. time required for bidder's maintenance engineer to report at the installation after a request call/telegram is made or letter is written) shall not exceed 02 day.

31.2 The period for correction of defects in warranty period is 05 days.

31.3 In case an item is not useable beyond the stipulated maximum downtime the firm will be required to arrange for an immediate replacement.

31.4 In case the rectification of defects is not carried out within 05 days and replacement of defective items are not provided, a penalty of sum equivalent to 5% per week of the delivered price of that defective item(s) shall be levied. This penalty is applicable up to a maximum of 4 weeks (maximum 10%)

32.0 Packing and Marking

32.1 All packing should be strong enough to withstand rough handling during loading/unloading and transporting. Fragile articles should be packed with special precaution and should bear the marking like Fragile, handle with care, This side up etc.

33.0 Substitution and Wrong Supplies

Unauthorized substitution or materials delivered in error of wrong description or quality or supplied in excess quantity or rejected goods shall be returned to the firm at firm's cost and risk.

34.0 Insurance, Freight and Deliveries

34.1 The supplier shall make his own arrangements towards safe and complete delivery including insurance, freight, state level permits etc. as applicable at the designated locations indicated by University in the Purchase Order.

34.2 The firm will keep University informed about changes, if any, in various stages of deliveries, installation.

35.0 Arbitration and Settlement of Disputes:

35.1 University and the firm shall make every effort to resolve amicably by direct information negotiation by difference or dispute arising between them under or in connection with the University order.

35.2 If after thirty (30) days from the commencement of such informal negotiations, University and the supplier are unable to resolve amicably the dispute, either party may require that the dispute be referred for resolution to the formal mechanisms as specified hereunder:

- 35.2.1 Any dispute or differences whatsoever arising between the parties out of or relating to the manufacturing, meaning, scope, operation or effect of this contract or the validity or the breach thereof shall be settled by arbitration in accordance with the provisions of the Arbitration & Conciliation Act, 1996 and the award made in pursuance thereof shall be binding on the parties. The sole arbitrator shall be appointed by the Vice Chancellor, GGS Indraprastha University.
- 35.2.2 The performance under this contract shall not stop for any reason whatsoever during the said dispute/proceedings, unless the firm is specifically directed by University to desist from working in this behalf.
- 35.2.3 The venue of arbitration shall be Delhi/ New Delhi. The language of proceedings shall be English. The Law governing the substantive issues between the parties shall be the Laws of India. All disputes are subject to the jurisdiction of the Delhi Courts only
- 35.2.4 It is also a term of contract that if any fees are payable to the arbitrator, these shall be paid equally by both the parties. It is also a term of the contract that the arbitrator shall be deemed to have entered on the reference on the date he issues notice to both the parties calling them to submit their statement of claims and counter statement of claims.
- 36.0 Force Majeure** For purpose of this Clause, Force Majeure shall mean fires, floods, natural disasters or other acts, that are unanticipated or unforeseeable, and not brought about at the instance of the party claiming to be affected by such event, or which, if anticipated or foreseeable, could not be avoided or provided for, and which has caused the non-performance or delay in performance, such as war, turmoil, strikes, sabotage, explosions, quarantine restriction beyond the control of either party. A party claiming Force Majeure shall exercise reasonable diligence to seek to overcome the Force Majeure event and to mitigate the effects thereof on the performance of its obligations under this Supply Order.

If a Force Majeure situation arises, the supplier shall promptly notify the University in writing of such conditions and the cause thereof. Unless otherwise directed by the University in writing, the Supplier shall continue to perform its obligations under the Purchase Order as far as is reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the Force Majeure event.

SECTION II
INFORMATION REGARDING TECHNICAL ELIGIBILITY
(Annexure A to H)

LETTER OF TRANSMITTAL

From:

To

The Registrar
GGS IPU
Sector 16C, Dwarka,
Delhi

Sub: Submission of Tender Document for the work of “**Supply & installation of supply & installation of Electrochemical Workstation with Photo-Electrochemical Set-Up & Accessories for CEPS under MNRE Project**” at GGSIPU Campus, Sector 16C, Dwarka, New Delhi”.

Sir,

Having examined the details given in Tender document for the above work, I/we hereby submit the relevant information:-

1. I/we hereby certify that all the statement made and information supplied in the enclosed annexure / forms accompanying statement are true and correct.
2. I/we have furnished all information and details necessary for eligibility and have no further pertinent information to Supply & Installation.
3. I/we submit the requisite certified solvency certificate and authorize the Registrar, GGSIPU to approach Bank issuing the solvency certificate to confirm the correctness thereof. I/we also authorize the GGSIPU to approach individuals, employers, firms and corporation to verify our competence and general reputation.

Name & Signature(s) of Bidder(s) with seal

DECLARATION BY THE BIDDER

We _____ (Name of the Bidder) hereby represent that we have gone through and understood the Bidding Document (which in two parts) in Part-I (Commercial Section & Technical Section) and Part-II (Schedule of Quantities) and that our Bid has been prepared accordingly in compliance with the requirement stipulated in the said documents.

A. We are submitting a copy of Bidding Document marked “Original” as part of our Bid duly signed and stamped on each page in token of our acceptance. We undertake that Part-I and Part-II of the Bidding Document shall be deemed to form part of our bid and in the event of award of work to us, the same shall be considered for constitution of Contract Agreement. Further, we shall sign and stamp each page of this Part-I and Part-II as a token of Acceptance and as a part of the Contract in the event of award of Contract to us.

We further confirm that we have indicated prices in Schedule of Quantities and submitted in Price Bid in separately sealed envelope. We confirm that rate quoted by us includes price for all works/activities/supply etc. as mentioned in item description of the items in Schedule of Quantities.

SIGNATURE OF BIDDER : _____

NAME OF BIDDER : _____

COMPANY SEAL : _____

Note : This declaration should be signed by the Bidder’s representative who is signing the Bid.

COMPLIANCE TO BID REQUIREMENT

We hereby agree to fully comply with, abide by and accept without variation, deviation or reservation all technical, commercial and other conditions whatsoever of the Bidding Documents and Addendum to the Bidding Documents, if any, for subject work issued by GGSIPU.

We hereby further confirm that any terms and conditions if mentioned in our bid (Un-priced as well as Priced Part) shall not be recognized and shall be treated as null and void.

SIGNATURE OF BIDDER : _____

NAME OF BIDDER : _____

COMPANY SEAL : _____

DECLARATION BY THE BIDDER

We _____ (Name of the Bidder) hereby declare that the lab item for which we have quoted our price in the Financial Bid would not be an item used so far for demo/any other purposes and will be unused (brand new).

SIGNATURE OF BIDDER : _____

NAME OF BIDDER : _____

COMPANY SEAL : _____

Note: This declaration should be signed by the Bidder's representative who is signing the Bid.

ORGANISATION STRUCTURE

1. Name & Address of the Bidder :
2. Telephone No./Fax No./ e-mail :
3. Legal status of the Bidder (attach copies of original document defining the legal status)
 - a) An Individual
 - b) A proprietary firm
 - c) A firm in partnership
 - d) A limited company or Corporation
 - e) A Public Sector Undertaking
4. Particulars of registration with various Government Bodies (Attach attested Photo Copy)
 Organization /Place of registration Registration No
5. A. PAN No. -----
 B. GST No. -----
6. Names and Titles of Directors & Officers with designation to be concerned with this work. :
7. Name & Designation of individuals authorized to act for the organization :
 (Pl attach power of attorney in favour of authorized representative duly signed by authorized signatory)
8. Has the Bidder ever required to suspend work for a period of more than six months continuously after you commenced the business? If so, give the name of the project and reasons of suspension of work. :
9. Has the Bidder, or any constituent partner in case of partnership firm, ever abandoned the awarded work before its completion? If so, give name of the project and reasons for abandonment. :
10. Has the Bidder, or any constituent partner in case of partnership firm, ever been debarred/ black listed for tendering in any organization at any time? If so, give details. :
11. Has the Bidder, or any constituent partner in case of partnership firm, ever been convicted by a court of law? If so, give details. :
13. Any other information considered necessary but not included above. :

(Stamp, Name & Signature of Bidder)

DETAILS OF ANNUAL TURNOVER**A. FINANCIAL DETAILS**

Financial Years	Gross Annual Turnover (In Lakhs)	Profit/Loss (In Lakhs)
2016-2017		
2015-2016		
2014-2015		

- B. Audited balance sheet and profit & loss account for above three years to be submitted. Must be attested by the Chartered Accountant.**

Signature & stamp by Chartered Accountant

(Stamp, Name & Signature of Bidder)

DETAILS OF SUPPLY OF LAB ITEMS (AS PER SPECIFICATION GIVEN IN SECTION III BELOW) IN LAST 03 (THREE) YEARS

S. No.	POSTAL ADDRESS OF CLIENT WITH CONTACT NUMBERS	STARTING DATE	SCHEDULED COMPLETION DATE	ACTUAL COMPLETION DATE	REASONS FOR DELAY, IF, ANY

(Stamp, Name & Signature of Bidder)

DECLARATION FOR FAIR BUSINESS BY THE BIDDER

This is to certify that We, M/s _____ in submission of this offer confirm that:-

- i) We have not made any misleading or false representation in the forms, statements and attachments in proof of the qualification requirements;
- ii) We do not have records of poor performance such as abandoning the work, not properly completing the contract, inordinate delays in completion, litigation history or financial failures etc.
- iii) Business has not been banned with us by any Central / State Government Department/ Public Sector Undertaking or Enterprise of Central / State Government.
- iv) We have submitted all the supporting documents and furnished the relevant details as per prescribed format.
- v) The information and documents submitted with the tender by us are correct and we are fully responsible for the correctness of the information and documents submitted by us.
- vi) We understood that in case of any statement/information/document furnished by us or to be furnished by us in connection with this offer is found to be incorrect or false, our EMD in full will be forfeited and business dealings will be banned.
- vii) We have not been punished / penalized by way of imprisonment in last three years.
- viii) We have not been blacklisted/debarred by any of the Government/Public Sector Agency in last three years.

SEAL, SIGNATURE & NAME OF THE BIDDER

Signing this document

**Form of Performance Guarantee
Bank Guarantee Bond**

1. In consideration of the GGSIPU (hereinafter called “The University”) having offered to accept the terms and conditions of the proposed agreement between ----- and ----- (hereinafter called “the said firm (s)”) for the work ----- - (hereinafter called “the said agreement”) having agreed to production of a irrevocable Bank Guarantee for Rs.----- (Rupees ----- only) as a security/guarantee from the firm (s) for compliance of his obligations in accordance with the terms and condition in the said agreement.

We, ----- (indicate the name of the Bank) ----- (hereinafter referred as “the Bank”) hereby undertake to pay to the University an amount not exceeding Rs.----- (Rupees ----- only) on demand by the University.

2. We, ----- (indicate the name of the Bank) do hereby undertake to pay the amounts due and payable under this guarantee without any demure, merely on a demand from the University stating that the amount claimed is required to meet the recoveries due or likely to be due from the said firm (s). Any such demand made on the bank shall be conclusive as regards the amount due and payable by the bank under this Guarantee. However, our liability under this guarantee shall be restricted to an amount not exceeding Rs.----- (Rupees ----- only).
3. We, the said bank further undertake to pay the University any money so demanded notwithstanding any dispute or disputes raised by the firm(s) in any suit or proceeding pending before any court or Tribunal relating thereto, our liability under this present being absolute and unequivocal.

The payment so made by us under this bond shall be a valid discharge of our liability for payment there under and the firm (s) shall have no claim against us for making such payment.

4. We, ----- (indicate the name of the Bank) further agree that the guarantee herein contained shall remain in full force and effect during the period that would be taken for the performance of the said agreement and that it shall continue to be enforceable till all the dues of the University under or by virtue of the said agreement have been fully paid and its claims satisfied or discharged or till Project-in-Charge on behalf of the University certified that the terms and conditions of the said agreement have been fully and properly carried out by the said firm (s) and accordingly discharges this guarantee.
5. We, ----- (indicate the name of the Bank) further agree with the University that the University shall have the fullest liberty without our consent and without affecting in any manner our obligation hereunder to vary any of the terms and conditions of the said agreement or to extend time of performance by the said firm (s) from time to time or to postpone for any time or from time to time any of the powers exercisable by the University against the said firm(s) and to forbear or enforce any of the terms and conditions relating to the said agreement and we shall not be relieved from our liability by reason of any such variation, or extension being granted to the said firm(s) or for any forbearance, act of omission on the part of the University or any indulgence by the University to the said firm(s) or by any such matter or thing whatsoever which under the law relating to sureties would, but for this provision, have effect of so relieving us.
6. This guarantee will not be discharged due to the change in the constitution of the Bank or the firm(s).
7. We, ----- (indicate the name of the Bank) lastly undertake not to revoke this guarantee except with the previous consent of the University in writing.
8. This guarantee shall be valid upto ----- unless extended on demand by the University. Notwithstanding anything mentioned above, our liability against this guarantee is restricted to Rs.----- (Rupees ----- only) and unless a claim in writing is lodged with us within six months of the date of expiry or the extended date of expiry of this guarantee all our liabilities under this guarantee shall stand discharged.

Dated the ----- day of ----- for ----- (indicate the name of the Bank)

SECTION III**TECHNICAL SPECIFICATIONS****Technical Specification for Supply & installation of supply & installation of Electrochemical Workstation with Photo-Electrochemical Set-Up & Accessories for CEPS under MNRE Project**

S. No.	Name of the equipment	Quantity	EMD
1.	<p>Specification for a equipment at Guru Gobind Singh University, Indraprastha University, New Delhi</p> <p>High end Electrochemical System (Potentiostat/Galvanostat) with photo electrochemical set-up & related accessories, PC interface and all necessary electrochemical software for data acquisition and analysis. The system should have the ability to perform conventional electrochemical experiments such as Cyclic Voltammetry, Potentiostatic, Galvanostatic, Square wave, open circuit, chronoamperometry, chronopotentiometry, I-V characteristics, frequency response analyses, Electrochemical Impedance spectroscopy, photoelectrochemical measurements, Fill factor etc. All necessary information (data, standards, and reference material) for calibration of the instrument must be provided.</p> <ol style="list-style-type: none"> 1. Compliance voltage ± 30 V at 2 A 2. Current range ± 2 A at 30V (10nA to 2A in several ranges) 3. Voltage range ± 10 V 4. Gain Band width 1 MHz or better 5. Bandwidth of electrometer > 4 MHz 6. Input impedance > 1 T Ohm // 8pF 7. Input Bias Current < 1 pA 8. System rise time < 250ns 9. Noise & Ripple < 25 μVrms referred to external signal 10. Measured Potential resolution 0.3μV 11. Frequency Range 10μHz to 1 MHz 12. Interface USB/RS232 or other interface for PC 13. Electrode cell connections 2,3 or 4 electrode connections <p><u>Photo-electrochemical set-up:</u> The photoelectrochemical assembly and software should be useful for I-V (photocurrent-voltage) and CV (cyclic-voltage) measurements on photoelectrochemical and photovoltaic cells and devices such as dye sensitized solar cells at different illumination intensities, determination of maximum power point etc. Data Analysis: The following parameters should be obtained, Short circuit current, open-circuit voltage, maximum power point, fill factor, efficiency of solar cell (power/light intensity). Light Source of various wavelength (655, 617,590,470, 530, 505 and white LED) with ~ 700mA of current.</p> <p><u>EIS measurements:</u> (Frequency response analyzer including hardware and software) Frequency range: 10μHz to 9 MHz or better Frequency resolution: 0.003% Input Range (Bias voltage range): ± 10 V AC amplitude: 0.2 mV to 350 mVrms in potentiostatic. 0.0002 to 0.35 times the current range in galvanostatic, Bode plot, Nyquist plot, Epsilon plot, Mott-Schottky plot, Admittance plot. Equivalent circuit fitting, subtraction of elements, Kramers-Kroningtest to determine the validity of measured data.</p> <p><u>System Software:</u> 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</p>	01	Rs.50000/-

	<p>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. Software should have a dedicated data analysis environment, large number of data analysis tools and an electrochemical spreadsheet to analyze the data, perform calculation and create new plots without having to export the files to a third-party software.</p> <ul style="list-style-type: none"> ❖ System should be supplied with Basic Electrochemical cell Set up along with Cell vessel with lid, Au & Pt Disc Working electrode one each, Aqueous & Nonaqueous Ag/AgCl Reference electrode and Pt wire counter electrode. ❖ Should be offered with compatible PC, Printer & UPS to run the system. ❖ System should be quoted with 3 years warranty. <p>All necessary information for calibration along with installation of the instrument must be provided</p> <p><u>SYSTEM SHOULD BE UPGRADABLE IN FUTURE WITH OTHER ACCESSORIES WITH FOLLOWING SPECIFICATIONS:</u></p> <p>System should have facilities to add following hardware. These hardware cards should be offered as optional accessories as and when required.</p> <ol style="list-style-type: none"> 1. Module for pH & Temperature measurement: Input range: +/- 10V, measurement resolution: 0.3uV (gain 1000), measurement accuracy +/- 2mV, input impedance: > 1TOhm // 8pF, temperature accuracy: +/-0.5°C, temperature resolution: 0.015°C. 2. Bipotentiostat: It should also have possibility to add hardware for bipotentiostatic measurements on RRDE or two working electrodes sharing same reference and counter electrode. Potential Offset Range: ±10 V, Maximum Current 50 mA, Current Range: 10 mA, 1 mA, 100µA, 10µA, 1µA, 100 nA & 10 nA. Modes: Bipotentiostat, Scanning Bipotentiostat. 3. Current Booster: Current booster to enhance the maximum current of the system. Specifications: Max Compliance Voltage: ±20 Volts, Maximum Output Potential: ±10 Volts, Maximum Current: ±20Amp, Resolution: 0.0003% Accuracy: ±0.5%, Operation Mode: Potentiostatic and Galvanostatic. 4. Solar simulator with 150 W Xenon short arc lamp as light source, exposure field are diameter 25 mm with 5% uniformity, 1.5 AM filter. 		
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SECTION IVFINANCIAL BID

Supply & installation of supply & installation of Electrochemical Workstation with Photo-Electrochemical Set-Up & Accessories for CEPS under MNRE Project

A

S. No.	Name of the equipment	Quantity	Unit Price in figure	Unit Price in words
1.	Electrochemical Workstation with Photo-Electrochemical Set-Up & Accessories	01		
2.	As per Technical Specifications including Computer, Printer and UPS	01		
3.	All taxes (including insurance, freight and packing) if any			
Total amount in Rs. (all taxes including GST) & CIP New Delhi				

B

Comprehensive maintenance contract (CMC will be paid on six months basis) for 24 months after expiry of 36 months warranty

S. No.	Name of the equipment		Amount (inclusive of all taxes)
1.	Electrochemical Workstation with Photo-Electrochemical Set-Up & Accessories	4 th year	
		5 th year	
Total amount in Rs. (all taxes including GST)			

L-1 would be decided on the basis of A+B.

Note:-

- The bidder shall provide comprehensive on-site **warranty** for a period of **36 months** for all items from the last date of completion / installation as certified issued by the University.
- The rates of the items supplied by the bidder through local market/India must be quoted in INR only.

(SEAL, SIGNATURE & NAME OF THE BIDDER)