



RAJIV GANDHI COLLEGE OF ENGINEERING & TECHNOLOGY
Pondy-Cuddalore Main Road, Kirumampakkam, Puducherry-607 403.

Sub: Quotation for “**Potentiostat/ Galvanostat/ Electrochemical Impedance Analyser**” under PFRC, BRNS Major Research project -Reg.

Ref: BRNS Sanc. Let. No.: 39/33/2015-BRNS/39018, dt. 09.11.2015.

Sealed quotations are invited for the purchase of “**Potentiostat/Galvanostat/ Electrochemical Impedance Analyser**” under PFRC, BRNS, Major Research project and all the quotations should reach to the undersigned on or before 27.02.2016 as per the list enclosed below of the mentioned subject. The quotation should be sent by Post (Normal / Speed / Registered / Courier) only. The price quoted should include all the costs such as delivery, installation, testing etc., and also inclusive of all taxes. Warranty terms should be explicitly specified in your quotation. The technical specifications are given below.

Last date and time for receiving quotations is 3.00 PM on 27.02.2016

Date and time of opening the quotation is 3.30 PM on 27.02.2016

Further information please visit college website

Name of the equipment:

POTENTIOSTAT/GALVANOSTAT WITH ELECTROCHEMICAL IMPEDANCE ANALYZER.

SPECIFICATIONS:

Hard ware specifications:

- EIS freq. Range: 10 μ Hz-10KHz, 1MHz, 7MHz, 10MHz, 20MHz, 35MHz for different channels. Automated sweep facility for the entire freq. Bandwidth.
- EIS sine wave: should be able to generate in Voltage & Current sweep (for very low impedance testing)
- EIS sine wave amplitude: few millivolts to 2V RMS & few micro amps to 20 mA RMS.
- Voltage range: 0-30V
- Voltage measurement Resolution : 50 μ V or less
- Applied Current: +/- 1nA to +/- 2A within or more range
- Current accuracy should not be less than 0.05% of the measured value/ or reading.
- Current resolution: 100fA or less
- Data acquisition speed: Minimum should be able to acquire 300 samples/second

- Temperature measurement option should be preferably for every multi-channel.
- Cell cables preferably 2.5 M should be provided for every multi-channel.
- Preferably sample holders which can be plugged directly to the Instrument for every multi- channel.

Software capability:

Complete software facility to operate and analysis the data obtained from the Potentiostat/ Galvanostat with Electrochemical Impedance Analyzer

Accessories

- (a) Glass cells: 1 no with Teflon cap, purge tube
- (b) Pt Working Electrode: 1 nos.
- (c) GC Working Electrode: 1 nos.
- (d) Ag/AgCl Reference (aq): 1nos.
- (e) Ag/AgCl Reference (non aq): 1 nos.
- (f) Calomel Reference Electrode: 1 nos.
- (g) Pt Wire Counter Electrode: 1 nos.
- (h) Electrode Polishing Kit
- (i) Cell Stand

Computer

Quantity: 01. The system should come with required computer. The software required (as specified) should be preinstalled and preconfigured in PC or it should be done on-site free of cost.

Warranty

Minimum ONE year standard warranty followed by one more year non-comprehensive warranty and free service should be provided.

Demonstration and User Training:

On-site demonstration of all the features of the system and training to operate the system should be done free of cost.

The bidder must quote the price on destination basis i.e. RGCET, Puducherry including freight and other charges (if applicable).

TERMS AND CONDITIONS

I. General Information:

- a) Last date and time of receipt of the Quotations: 27.02.2016, 3.00 PM.
- b) Date and time of opening the quotation: 27.02.2016, 3.30 PM.
- c) Two bid systems have to be strictly followed. (One for Technical bid and another for Commercial bid and each bid should be submitted in separate covers)
- d) Quoting merely the lowest price does not confer any right to any bidder for award of supply order. The College Purchase Committee, reserves the right to select the equipment any bid under the grounds of specification compliance, technologically advanced quality, proven

performance track record, brand reputation, service backup support & training, offer of additional/ special features, Compatibility with the existing System, etc.

g) The quotation must be submitted in a sealed cover, super-scribing “Quotation for **“Potentiostat/ Galvanostat/ Electrochemical Impedance Analyser”** under PFRC, BRNS Project-CAMERA”.

The name and address of the bidder should also be mentioned at the “From address” space.

i) The quotations should be addressed and posted to the following address by speed, registered post or by courier only.

Dr. P. Muralidharan,
Associate Professor,
Centre for Advanced Materials Engineering Research and Applications
(CAMERA), Department of Chemistry,
Rajiv Gandhi College of Engineering & Technology,
Pondy-Cuddalore Main Road, Kirumampakkam, Puducherry- 607 403.

h) The Quotation will not be accepted through fax/e-mail.

II. Common Conditions (Import or Indigenous)

1. Purchase of Quotation Document:

The Quotation invited from Rajiv Gandhi College of Engineering & Technology website www.rgcetpdy.ac.in

2. Price Schedule

The rates should be quoted for a single unit. The price should include the Delivery, installation, training charges, etc. at the respective Department, Rajiv Gandhi College of Engineering & Technology. The prices quoted shall remain firm until the equipment is supplied to the respective Department, Rajiv Gandhi College of Engineering & Technology.

3. Quoting the Core price & Tax, Duties, Discount etc. The taxes / duties / discounts, if applicable, are to be explicitly and separately shown in the bid.

4. Eligibility:

The firm must have the requisite domain expertise with regard to supply, installation and post sale service of the items they are quoting. The firm should have been in existence for at least six years as on the date of this quotation and must have executed at least three orders for this kind of equipments during the last three years.

5. Duty Exemption

The College has been granted the benefit of exemption from the payment of the Central Excise Duty and Customs Duty by the Department of Scientific and Industrial Research

(DSIR), India, vide their Notification No. 51/96-Cus dt. 23.07.96 and 10/97 dt. 01-03-1997 issued by the Department of Revenue, respectively,

- a) Scientific and technical instruments, apparatus, equipment, Software including computers.
- b) Accessories and spare parts of goods specified in (a) above and consumables.
- c) Computer software, compact disks, CD ROM, Recording magnetic tapes, microfilms, microchips etc.
- d) Prototypes. Customs duties at Indian port, if any, will be to the account of the College.

6. Technical Specifications

i. WARRANTY:

The instrument covered under the purchase order, when installed, shall be warranted for the quality, workmanship, trouble free operation and performance for a period of at least 36 months (preferably 5 years) from the date of putting the system into operation at the *Centre For Advanced Materials Engineering Research And Applications (CAMERA), Department of Chemistry, Rajiv Gandhi College of Engineering & Technology, Pondy-Cuddalore Main Road, Kirumampakkam, Puducherry-607 403* or at least 42 months from the date of receipt of the last lot of the consignment in India.

ii. If any item covered under warranty fails, the same shall be replaced free of cost including all the applicable charges including shipping cost both ways.

iii. Complete technical specifications of the equipment including the Operating system to be included in the Technical bid.

iv. The necessary service support should be provided by Bidder during the agreement period.

v. The training should be provided by the supplying companies for a minimum period of four days from the date of installation with an expert team. Alternate years training should be provided during the license period.

vi. Technical post sale support by email and telephone will be provided during the period.

vii. Operating Manual should be provided in English.

viii. A clear statement regarding availability of after-sales service and availability of spare parts for next 3 to 6 years should be included.

ix. A recent customer list (within last five years) with contact details including email address is to be submitted with technical bids / bids as the case may be.

x. If the equipment is proprietary a product, a proprietary product certificate should be enclosed.

xi. The information pertaining to infrastructural, power and any other requirement for satisfactory installation and commissioning of the whole system must be provided by the bidder, at least 120 days in advance of the installation to be commenced if purchase order is issued.

xii. The equipment must operate at 230V / 50 Hz single phase and / or equivalent three phase electrical power.

xiii. If the bidder is an authorized representative in India, they are requested to inform their technical ability to take care of the problems in the system, if developed later within the warranty and outside the warranty period. The responsibility of the Indian agent must be clearly specified.

xiv. The bidder from abroad shall obtain, if required, export permission from the appropriate authorities in his country or the country of origin for items to be shipped to India in case of items to be imported. The college shall provide necessary information if required for this purpose.

xv. The validity of the each quotation should be at least for THREE MONTHS from closing date.

xvi. The offers will not be considered if received after the bid closing date and time.

xvii. The offers received through telex / telefax / e-mail will not be accepted by the college under any circumstances.

xviii. The college shall not be responsible for any delay / loss or non-receipt of quotations by post / courier service.

xix. No unsolicited correspondence shall be entertained after the submission of the offer.

xx. If an order is placed with the firm, the purchase shall be governed by an agreement as per the college rules in force at the time.

xxi. Additional terms and conditions will be incorporated in the purchase order, if needed, to safe guard the interests of the college.

xxii. Quotation is not transferable.

xxiii. In case of any dispute in respect of the quotation, all legal matters shall be instituted within the jurisdiction of the place where the purchaser ordinarily resides.

7. Power to reject the offer:

i. RGCET reserves the right to accept / reject any offer in full or in part or accept any offer other than the lowest offer without assigning any reason thereof. Any offer containing incorrect and incomplete information shall be liable for rejection.

ii. No Agency commission will be paid to any authorized agent in India.

iii. Liquidated damages: Timely supply of the ordered items, installation, commissioning (wherever is applicable) and training etc. is the essence of the contract. In case of failure to supply within the time specified in the Purchase order, a penalty / LD of 0.5% of the total value per week or a part thereof shall be levied subject to a maximum of 7.5% in respect of items which are not supplied. The decision of college shall be final in this regard.

iv. Bidder(s) must be authorized business partners of Global / National service providers of the respective equipment.

v. The Bidders must enclose authorization letter from the respective global / national service providers of the above said equipments particularly mentioning an undertaking that in case of default by the Bidder, they (Global Service Provider) shall take over all the responsibilities of the Bidder.

vi. The Bidder should not be involved in any Bankruptcy filing for protection from it.

III. Specific Conditions

1. Payments terms:

1. Advance 100% Foreign Demand Draft (FDD) photocopy will be produce before the shipment of the item and the original FDD will be issued at the time of installation and satisfaction certificate of the item. The supplier has to provide Bank Guarantee towards performance Security for the 10 % of the total cost of the equipment to cover the Warranty Period.

2. Otherwise an amount of 70% will be paid upon the delivery of the instrument and 20% upon installation satisfaction certificate and 10% upon the performance of the instrument.

3. The offer must be in English. The rates should be indicated both in figures and words against item specified in the given table. It is preferable that the price be quoted in Rupees or in US Dollars or in major foreign currencies.

4. However, the price quoted should also include the following cost if they are required during the initial stage:

a) Local freight / insurance for Chennai airport to RGCET laboratory.

b) Installation cost if any.

c) Cost of consumables which are required for the equipment for initial operation upto a reasonable time.

5. In case of the Principal supplier of foreign country unable to meet the conditions stated at para no.4, the local agent / dealer should fulfill the above said conditions in respect of Local Insurance, Freight, safety transport and installation, etc.

6. The bidder from within India shall obtain the requisite approval for Imports etc., if required.