



திருவள்ளூர் பல்கலைக்கழகம்
THIRUVALLUVAR UNIVERSITY
SERKADU, VELLORE – 632 115

TENDER NOTIFICATION

Date: 08.03.2017

Notification No. TVU/R/F4/SERB - Project/Biotech/Equipments/2017/

Sealed tenders are invited from the eligible Companies/Agencies for the supply of
1. Electrochemical Impedance Spectroscopy (EIS) with Roatating cage electrode to the Dept.
of Biotechnology, Thiruvalluvar University, Vellore-632 115.

The tender documents and other details can be downloaded from the University Website:
www.thiruvalluvaruniversity.ac.in from **08.03.2017** to **22.03.2017**.

REGISTRARI/c



**THIRUVALLUVAR UNIVERSITY
SERKKADU, VELLORE- 632 115**

TENDER SCHEDULE

The tender schedule is intended for the supply of:

1. Electrochemical Impedance Spectroscopy (EIS) with Rotating cage electrode.

Scientific equipments to the Department of Biotechnology, Thiruvalluvar University, Vellore.

1. DUE DATE AND TIME:

Sealed tenders are invited by the Registrar, Thiruvalluvar University , Vellore from manufacturing concerns or authorized dealers, for the supply of Scientific Equipments as per the specification indicated in the Appendix – I. The cost of tender schedule is fixed as **Rs.6000/-**

The tenders should reach the Registrar, Thiruvalluvar University, Vellore, **on or before 22.03.2017 at 3.00 p.m.** Tenders received after the due date and time will be summarily rejected.

The Demand Draft towards Application Fee for **Rs.6000/-** (Rupees Six Thousand only) drawn in favour of **The Registrar, Thiruvalluvar University, Vellore** and VAT of **Rs. 300/-**(Rupees Three Hundred only) drawn in favour of **Assistant Commissioner (CT),Vellore (North)**.

2. MODE OF SUBMISSION:

Tenders should be sent in a sealed cover addressed to the Registrar, Thiruvalluvar University, Vellore, by Registered post with acknowledgement due or in person. Unsealed tenders will not be considered.

3. SUPERScription:

The tender cover should be superscribed as **“Tenders for supply of Equipments - Under SERB Project – Department of Biotechnology, Thiruvalluvar University, Serkkadu, Vellore-632 115”**.

5. ELIGIBILITY CRITERIA:

- a). The Tenderer should have supplied at least two projects of similar type and nature during the last 3 years. The Tenderer should have completed at least single large similar project of value not less than Rs.15 lakhs in the last 3 years for Govt. Dept/ PSU/ Autonomous Agencies/MNC.
- b). The bidders must fulfill the eligibility conditions and also submit documentary evidence in support of fulfilling these conditions while submitting the bid. The bidder

should have at least 3 years experience and focus in the related business, as on 31st March 2016. The tender should submit the latest income tax and commercial tax clearance certificates.

- c). The bidder may submit a list of customers to whom they have done similar type of supply along with the year of supply and details of the equipment supplied (the volume and the amount of the transaction done by them) in the prescribed form.
- d). Bidder must be a registered firm with Sales Tax, VAT, Income TAX and Service Tax Departments. A photocopy of such registration should be submitted along with the bid.**
- e). Bidders should submit (Photocopy): a) Income tax clearance certificate of last Financial year with TAN number, b) valid sales tax clearance certificate, c) valid VAT registration certificate and d) valid Factory Registration Certificate.**
- f). A Proof of certifications, agreements, and rate contract from Central and State Government organization may be enclosed.
- g). Conditional bids will be summarily rejected.
- h). The supplier while submitting the tender should invariably submit an Income tax Clearance Certificate of last Financial Year.
- i). Payment will be made within reasonable time after the supply is completed in full in good condition.
- j). Incomplete tender forms and the forms not supported by the required certificates will be rejected.
- k). Technical specifications required are given in the Tender schedule.
- l). The bidders can visit premises during office hours on any working day to assess the area of the work to be undertaken together with specifications.
- m). Liquidated damages @ half percent of value of contract per week or part there of will be levied in case of delays in supplies and performance. In this regard the decision of the Registrar is final.
- n). The quantities indicated in the tender notifications are subject to modification if any at the time of placing order.
- o). No advance payment will be made to the successful tenderer.
- p). Supply of laboratory instruments and other items, if any manufacturing or other technical defects are found within the specified months from the date of purchase, instruments have to be rectified or replaced at free of cost by the supplier.

4. EARNEST MONEY DEPOSIT:

1. Each tender should be accompanied by Earnest Money Deposit **Rs.15,000/-** (Rupees Fifteen thousand only) by Demand Draft drawn in favour of the Registrar, Thiruvalluvar University, Vellore. The earnest money deposit of the unsuccessful tenders will be returned soon after the acceptance of the successful tenderer within a reasonable time consistent with the rule and regulations in this behalf. The above EMD held by the University will not earn any interest therefor. The EMD of the Successful tenderer will be adjusted towards security deposit and will be returned only after the successfully completion of the warranty period.

6. DETAILS TO BE FURNISHED AND MODE OF PRESENTATION:

- a). The participating Tenderer should have own infrastructure including skilled manpower to undertake the supply.
- b). The tender should contain particulars like name and addresses of the tenderers, net rate including excise duty, surcharge, sales tax, freight, octroi, insurance for delivery, installation and commissioning of the equipment and such other levies that may be applicable.
- c). All duties, taxes and other levies payable by the vendor shall be included in the total price.
- d). The rates should be kept firm for one hundred and twenty days from the date of the opening of the tenders for acceptance.
- e). The rate should be quoted for each item with specification and model if applicable and should be indicated clearly both in words and figures. Any scoring or overwriting should be attested by the tenderer with full signature. The rate quoted should be firm and should not subject to any variation clauses.
- f). The University shall not pay any increase in duties, taxes and surcharges on account of any revision either by the State Government or Central Government at the time of supply and installation.
- g). The prices should be quoted with for destination.
- h). Packing, forwarding, insurance etc. will be to vendors account.
- i). All essential accessories cost must be included in the price quoted.
- j). Price bids are to be signed by the vendor or person authorized by him.
- k). Supply of the equipment and other accessories shall be as per the specifications mentioned in the Annexure II and according to the delivery and installation schedule.

7. OPENING OF TENDERS:

The tenders received **upto 3.00 P.M. on 22.03.2017**, will be opened by the Registrar, or any other officer authorized by him on his behalf at **4.00 P.M. on the same date** in the presence of those tenderers or their representatives who may be present at the time of opening. The representatives of the tendering firm who are attending the opening of the tenders should bring a letter of authorization from the tendering firms, which they represent to identify their bonafide.

8. AGREEMENT:

- a). The successful tenderer should execute an agreement for the fulfillment of the contract in stamp paper in the model form enclosed in Appendix II. Within fifteen days from the date of acceptance of the tender.
- b). In connection with incidental expenses the execution of agreement shall be borne by the successful tenderer.
- c). The Successful tenderer shall execute an agreement in stamp paper of value not less than Rs.100/- soon after the supply order is issued.
- d). The expenses incidental to the executing of agreement shall be borne by the successful Tenderer.
- e). The conditions stipulated in the agreement form should be strictly adhered to and violation of any of the conditions will entail termination of the contract without prejudice to the rights of the University and will entail recovery of any consequential loss from the successful tenderer.

9. SECURITY DEPOSIT:

- a). The successful tenderer will be required to remit the Security Deposit equivalent to **5% (five) percent** of the value of the purchase order within fifteen days from the date of receipt of communication/intimating them of the acceptance of the tenders. If the accepted tenderer fails to remit the security deposit within the above said period, the earnest money deposit remitted by him will be forfeited to the Thiruvalluvar University and his tender will be held void. Purchase order will be released after execution of the above contract by the successful tenderer and after remitting the security deposit by way of a demand draft drawn in favour of the Registrar, Thiruvalluvar University, Vellore - 632 115.
- b). The security deposit furnished by the tenderer, in respect of his tender will be returned to him only at the end of the warranty period subject to the satisfaction of the University.
- c). In the case of successful tenderer, the earnest money deposit if paid may be adjusted towards security deposit to be remitted by the tenderer.

- d). If the tenderer fails to act according to the tender or backs out when his tender is accepted, his security deposit mentioned above will be forfeited to the University.

10. SUPPLY AND INSTALLATION OF EQUIPMENT:

- a). The material or goods are to be guaranteed for a period of at least THREE years after installation and commissioning against manufacturing defects and poor workmanship. The Warranty period specified, will commence from the date of handing over the Equipment after running on all equipments and carrying out successfully the tests prescribed by the University to its satisfaction.
- b). Documents such as operation manuals, user manuals and circuit diagrams and other relevant materials shall be provided by the tenderer along with the equipment at free of cost.
- c). If the supply, installation and commissioning of the equipment are not effected before the specified period from the date of purchase order, the University shall have the authority to cancel the order and to take any such action which will be deemed fit in the circumstances.
- d). If any manufacturing or other technical defects are found within the specified months from the date of installation, commissioning and handing over the Equipment to the University Authorities, the same will have to be rectified or replaced at free of cost by the supplier.
- e). During the Warranty period, if due to manufacturing and other technical defects of the equipment supplied, the Equipment is down and it is not restored to in working condition within 48 hours the supplier shall be liable for a penalty of one percent per week during breakdown period on the total contract price.
- f). The Warranty will cover all the materials and goods supplied by the supplier under this contract irrespective of the fact whether these have been manufacturer by the supplier or not.
- g). In case of failure by tenderer to deliver goods or materials demanded from them within the period specified for delivery or in case of goods or materials being delivered without a correct invoice in duplicate, the Registrar or anyone duly authorized by him shall have power to reject any such goods or materials so rejected or not delivered unless the supplier shall have power to reject any such goods or materials so rejected or not delivered unless the supplier shall themselves forthwith supply others that shall be sufficient and satisfactory and any excess of cost so incurred by the tenderer over the contract price together with all charges and expenses incurred on the purchase shall be recoverable by the University from the supplier.
- h). The University will not be held responsible for any consequences arising out of patent right problems.

11. PAYMENT OF COSTS:

The terms of payments for the purchase of equipment: 100% of the total cost of Equipments will be paid on installation, commissioning and handing over of the same after testing all the technical specifications and certified by the Principal Investigator / Professor concerned for releasing the payment.

12. FORFEITURE OF EARNEST MONEY DEPOSIT:

If the accepted tenderer fails to act according to the tender conditions or backs out after his tender accepting his Earnest Money Deposit will be forfeited by the University.

13. ASSIGNING OF TENDER IN WHOLE OR IN PART:

The successful tenderer shall not assign or make over the contract, the benefit of burden thereof to any other person or persons or body corporate. He shall not underlet or sublet to any person/s or body corporate for the execution of the contract or a part thereof.

14. PENALTY FOR NON-FULFILMENT OF TENDER:

Penalty will be levied at the rate of 1% per week on the total contract prices if the installation and commissioning has not been completed in full within the stipulated period, subject to major conditions in force. Besides, such performance may entail black listing of the supplier.

15. ACCEPTANCE AND WITHDRAWALS:

- a). The final acceptance of the tender is entirely vested with the University which reserves the right to accept or reject any or all the tenders without assigning any reason whatsoever. There is no obligation on the part of the University to communicate with the rejected Tenderers. After acceptance of the tender by the University, the Tenderer shall have no right to withdraw his Tender or claim for higher price.
- b). Tenders with incomplete information will be summarily rejected.

16. PENALTY FOR NON-FULFILMENT OF CONDITIONS:

The supplier agrees that in the event of non fulfillment or non-observance of any of the stipulated conditions, the Supplier shall pay as penalty an amount equivalent to 5(FIVE) percent of total value of Equipment or an amount equal to the actual loss incurred by the purchaser whichever is greater.

17. GENERAL:

The Tenderer while sending their tender should enclose a copy of the conditions stipulated duly certified and attested by them in token of accepting the tender conditions that they understood and accepted them fully. Tenders received without the certified copy of the conditions shall be rejected summarily. Due date for obtaining tender 22-03-2017 upto 3.00 P.M.

I/We _____ have gone through the terms and conditions and will abide by them as laid down above.

**SIGNATURE OF THE TENDERER
WITH DATE AND OFFICE SEAL**

TENDER SCHEDULE

ANNEXURE – I

TENDER SPECIFICATIONS OF SCIENTIFIC EQUIPMENTS FOR THE SERB PROJECT, DEPARTMENT OF BIOTECHNOLOGY, THIRUVALLUAR UNIVERSITY, SERKKADU, VELLORE -632 115.

EQUIPMENT SPECIFICATION:

S. No	Description	Specifications	Company/ Make /Model Number	Rate Rs. / \$
1	Electrochemical Impedance Spectroscopy (EIS) with Rotating cage electrode	Compact Modular potentiostat/galvanostat supplied with cell cable, usb cable, NOVA Windows based software, license with getting started manual Important Hardware Specifications: Maximum Compliance Voltage: ± 20 Volts at ± 400 mA Maximum Output Voltage: ± 10 Volts Measured Voltage Resolution: $3\mu\text{V}$ Maximum output current: ± 400 mA at ± 20 Volts Compliance Voltage Measured current resolution at 10nA range:30 fA Potentiostat bandwidth (at 1 kOhm, 1mA): 1 MHz Potentiostat rise/fall time (1 V step, 10-90%): 100 GOhm // 8 pF Input bias current @25oC: 4 MHz A/D converter:16 bit gains of 1,10,100; D/A converter:16 bit 4ch External input/output signals: 1; Digital I/O lines: 12 Software: NOVA is a comprehensive software package for the control of Electro-chemical Workstation, Data Acquisition, storage and data analysis with NOVA software can perform following measurements Voltammetric analysis: Sampled DC, Normal pulse, Differential pulse, Differential normal pulse, Square wave Control of Hg drop electrode, Cyclic and linear sweep voltammetry, Staircase cyclic and linear sweep voltammetry, True linear scan cyclic voltammetry, High-speed linear scan cyclic voltammetry (last two modes require optional Scan 250 and ADC 10M modules) Chrono methods: Chrono methods ($\Delta t > 1$ ms), Chrono methods high speed ($\Delta t > 100$ ns) (requires optional ADC 10M Module) Recurrent pulsing methods Tools and accessories: Manual control, iRcompensation, Rotating disc electrode (RDE) control Repeat loops, Cut-offs, Open circuit potential (OCP) measurements, Analog input and output, Digital DIO (TTL) triggering, Additional signals (Delta frequency, bipotentiostat, Fiber Optic Spectrophotometer, ...), Import/export ASCII, GPES, FRA Application development tools: LabView drivers and ready-touse Vis, Generic		

		<p>interface for .Net applications</p> <p>The rotation speed of the RDE is controlled manually with the button on the front of the motor control unit. The RDE can also be controlled remotely with the software. The rotation speed can be varied continuously between 100 and 10,000 rpm with a resolution of 1 rpm.</p> <p>The same motor control unit can be used in combination with the RDE and the RRDE.</p> <p>The maximum operating temperature for RDE and tip is 40 °C.</p>		
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Customs clearance & delivery the Instrument up to the university.

Date:

Signature of the authorized person &
company seal.

1) Please Quote the Price with make of the items, without make the tenders will not be considered.

2) The University is eligible for exemption of Central Excise Duty as per the Govt. Notification No. 10/97-Central Excise Dt. 01.03.1997. Hence the item price may be quoted separately (i.e.) Unit. Price & Taxes etc. only. The University will be given necessary exemption form for Central Excise. It is also eligible for customs duty exemption as per the Govt. Notification No.51/96 customs dt.23.07.1996.

3) The firm may be quoted the rate as per the tender specification, the rate quoted by the firm will be considered if it is only as per the tender specifications. If there is any deviation of specification from the tender specification, the tender will not be considered.

The Original tender form should be submitted to this office along with the tender schedule.

TECHNICAL DATA

THIRUVALLUVAR UNIVERSITY SERKKADU, VELLORE, 632 115

TENDER SCHEDULE FOR THE PURCHASE OF SCIENTIFIC EQUIPEMENTS (WITH ACCESSORIES) UNDER SERB PROJECT – FUND FOR THE DEPARTMENT OF BIOTECHNOLOGY, THIRUVALLUVAR UNIVERSITY

PROFILE OF THE COMPANY:

The Company should provide the following details.

1. Nature of the Organisation :

2. Nature of the Organisation
(Govt./Public/Private/Partership/
Proprietorship) :

3. (a) Address of the Registered Office of the
Firm with phone Number, Fax and E-MAIL :

- (b) Year of Establishment :

4. Annual turnover for the previous three years :

5. Location of the factory with address :

6. Maintenance and service center facilities in
Vellore /other areas and total number of
Service Engineers available :

7. Name of the Government agencies /
Educational Institutions to whom similar
Machines have been supplied in the preceding
One year :

8. Is your Company an original manufacturer
of equipment and related Items? :
If yes, state the specific items you manufacture

9. What type of Maintenance support does your Company provide for the Equipment :

10.State the minimum time required to supply the items if your company / Organization gets the order :

11. State whether you will agree to supply the Equipment manuals, for items supplied :

12. Other information, if any :

13. Payment particulars for E.M.D

(A) Number of Demand Draft enclosed :

(B) D.D. No. and Date :

(C) Name of the Bank :

(D) Place of Bank :

(E) Amount :

**SIGNATURE OF THE TENDERER WITH
OFFICE SEAL AND DATE:**

Please Note:

- a. Equipment should be specified with full Technical Details and Brand Name of the product.
- b. The prices for all the items may be quoted in dollar (US \$) and in Rupees (INR) separately.
- c. All Equipments to carry Three years comprehensive Warranty.
- d. The complete schedule should be quoted in full.

Appendix II

(To be executed by the Firms for the supply of machinery /equipment)

We, M/S _____ (hereinafter referred to as “Supplier” hereby contract and agree on the acceptance of our Tender by Thiruvalluvar University (hereinafter referred to as “purchaser”) in accordance with the conditions of contract stated below, the goods or materials hereunder named of the quality and of the sort and at the rate of price specified in the purchase order as Annexure (I).

CONDITIONS OF CONTRACT

1. This document on having been signed by both the parties shall constitute a binding contract between the parties and shall remain in force during the warranty period and a total of 3 years including the warranty period covering the annual maintenance. But in the event of any breach of agreement at any time on the part of the supplier, the contract shall be determinable by the purchaser without compensation to the supplier. The contract may also be put to an end at any time by the purchaser upon giving seven days notice to the supplier.
2. The supplier agrees to supply, install and commission the equipment detailed at tender schedule after carrying out successfully all the tests prescribed by the purchaser at all inclusive price of Rs. _____ to the _____ before the specified date. The price offered is firm and is not subject to enhancement on any ground.
3. The price of equipment as detailed at Annexure includes excise duty, surcharges, sales tax, freight, octroi, insurance, installation and commissioning and such other levies that may be applicable.
4. The goods or materials to be supplied under this contract are to be of the quality and of the sort mentioned in the purchase order at tender schedule.
5. The goods or materials are to be delivered at the purchaser without any extra cost in such quantities or numbers contained in the purchase order enclosed as tender schedule to this contract. Any amendments to the orders in terms of quantities or delivery period etc. may be incorporated on a mutually agreed basis.
6. Documents such as operation manuals and circuit diagram and other relevant materials shall be provided by the Supplier along with equipment free of cost.
7. The goods sold under the agreement shall not be taken back. However, any replacement necessitated as part of warranty commitment shall be carried out by the Supplier and faulty parts / materials that arise out of such replacement shall be taken back by the Supplier within a reasonable time.
8. If the supply, installation and commissioning of the equipment are not affected before weeks from the date of the purchase order, the purchaser shall have the authority to cancel the order, to make any such action that will be deemed fit in the circumstances.

9. In case of failure by the supplier to deliver goods or materials demanded from them within the period specified for delivery or in case of goods or materials delivered by them not being of the stipulated quality and specification or in the case of goods or materials being delivered without a correct invoice in duplicate the Registrar or any one duly authorized by him shall have power to reject any such goods or materials so rejected or not delivered unless the Supplier shall themselves forthwith supply other that shall be sufficient and satisfactory and any excess of cost so incurred by the Purchase over the contract price together with all charges and expenses attending the purchase shall be recoverable by the purchaser.
10. Penalty will be levied at the rate of one percent per week on the total contract price if the delivery has not been completed in full within stipulated period, subject to force major conditions in force, besides, such performance may entail block listing of the supplier.
11. (a) The materials or goods are to be guaranteed for a period of months after installation and commissioning, against any manufacturing defect and poor workmanship. The warranty and after carrying out successfully the tests prescribed by the (Purchaser) and installation in goods working condition.
 - (b) If any manufacturing or other technical defect is found within ----- months from the date of installation, commissioning and handing over the Equipment to the Department the same will have to be rectified or replaced at free of cost by the Supplier.
 - (c) During the warranty period, the supplier agrees to arrange for a back up Equipment at their cost, if due to manufacturing and other technical defects of the equipment supplied, the Equipments is down and if it is not restored in working condition within 48 hours. Otherwise the supplier shall be liable for a penalty of 1% of the break down period on the total contract price.
 - (d) The warranty will cover all the materials goods supplied by the supplier under this contract irrespective of the fact whether these have been manufactured by Suppliers or not.
12. The post warranty AMC is payable once in a year after the date of completion of the warranty period in advance against invoices/bills to be preferred by the vendor. The vendor agrees to provide comprehensive maintenance of the Equipment, which shall include preventive maintenance and corrective maintenance at the location specified by the University. The maintenance shall also include replacement of all parts including consumables. The equipment which is down should be restored in good working conditions within 48 hours. Otherwise, the supplier shall be liable for penalty of 1% per week of the breakdown period on the total price of the Equipment. The University reserves the right to terminate the maintenance contract in the event of unsatisfactory maintenance and claim damages for non-fulfillment of contract.
13. The total cost of the Equipment will be paid on installation, commissioning and handing over of the Equipment after testing and fulfilling the technical specifications. The testing that should be carried out, the commissioning of the Equipment supplied, and the satisfactory working of the Equipment are to be certified by the University.

14. The Supplier hereby agrees to get the refund of incentive, excise duty and proportionate Sales Tax from concerned authorities and pass it on to the purchaser, if the Government or any other agency reduces the Excise Duty or Sales Tax or gives incentive of any type retrospectively after supplying the equipment, failing which action will be taken to recover the balance amount from the Supplier under the revenue recovery act or any other relevant act.
15. The supplier shall undertake to train adequate number of persons from the University free of cost on the operation and use of Equipment and utilities as per the training schedule to be worked out by mutual agreement.
16. The contract or any part share of interest in it is not to be transferred or assigned by the Supplier directly or indirectly to any person whomsoever without the written consent of the Purchaser.
17. Neither the Buyer nor the Seller shall be liable to the other for any delay or failure in the performance of their respective obligations due to causes, contingencies beyond their reasonable control such as:
 - (a) Natural phenomena including but not limited to earthquakes, floods and epidemics.
 - (b) Acts of any Government authority domestic or foreign including by not limited to war declared, or undeclared, priorities and; quarantine restrictions.
 - (c) Accidents or disruptions including, but not limited to fire, explosions, breakdown of essential machinery or equipment, power and water shortages.
18. The tender notice dated _____ is enclosed along with the enclosures. The detailed final offer of the Supplier and the purchase order at Annexure respectively will form part of this contract. Wherever the offer conditions furnished by the supplier are at variance with conditions of the contract or conditions stipulated in the purchase order, the latter shall prevail over the offer conditions furnished by the Supplier.
19. Unless otherwise provided in the agreement, any notice, request, consent or other communication given or required to be given hereunder shall be given by mailing the same by registered mail, postage prepaid, return receipt requested in the case of the Supplier to the purchaser at their respective addresses and self forth above or with other addresses and to the attention of such other person or persons as may hereafter be designated by like notice hereunder and any such notice sent by post shall be deemed to have been served on the date when in the ordinary course of post, it would have been delivered at the address to which it was sent.
20. Any notice to the Supplier shall be deemed to be sufficiently served, if given or left in writing at their usual or last known place of abode or business.
21. In case of any dispute the matter will be referred to an Arbitrator under “Arbitration and Conciliation Act 1996” The arbitration shall be held in Vellore only and the court at Vellore only shall have jurisdiction in relation thereto.

22. The Supplier agrees that in the event of non-fulfillment or non-observance of any of the conditions stipulated in the contract, the Supplier shall pay as penalty an amount equivalent to 10 (ten) percent of total value of contract or an amount equal to the actual loss incurred by the University whichever is greater.

For and on behalf of

PURCHASER

SUPPLIER

Witnesses:

1.

2.