

# CENTRAL UNIVERSITY OF KARNATAKA

(Established by an Act of the Parliament in 2009)



CENTRAL UNIVERSITY OF KARNATAKA

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CUK/R&D/SERB-DST/Tender/2017-18/ 2

Date: 05-09-2018

## RE-TENDER NOTICE FOR SUPPLY OF MULTICHANNEL POTENTIOSTAT/GALVANOSTAT (THROUGH E-PROCUREMENT MODE)

Online electronic bids are hereby invited for and on behalf of Central University of Karnataka, for supply delivery and installation of **Multichannel Potentiostat/Galvanostat** for Central University of Karnataka (as per Annexure-1) as briefly described hereunder:

1.	Name of the Equipment	Supply, delivery and installation of <b>Multichannel Potentiostat/Galvanostat</b> (as per Annexure-1).
2.	Bid submission mode	Online through e-procurement mode on Central Public Procurement Portal. <b>Two Separate Packet system:</b> Packet 1 -Techno-Commercial Bid and Packet 2 -Price Bid.
3.	Earnest Money Deposit Rs. 50,000/-	Payable through Demand Draft drawn on any nationalized bank in favour of " <b>Central University of Karnataka</b> " payable at Kalaburagi. The DDs should be sent to "The Registrar, Central University of Karnataka, Kadaganchi -585367, Kalaburagi District" in sealed envelope by superscripting as " <b>EMD for Multichannel Potentiostat/Galvanostat</b> ". The DDs shall reach on or before the date and time of bid opening. <b>OR</b> Through Online payment Account Number: 5109101000001 Bank: Canara Bank IFSC: CNRB0005109 Bank Address: Canara Bank, Central University of Karnataka, Kadaganchi – 585367 Kalaburagi district, Karnataka, INDIA and should enclose the necessary document proof of remittance through online
4.	Date and time of availability of bid document in the portal.	From 15.00 Hrs. of 07.09.2018 to 17.00 Hrs. of 28.09.2018
5.	Last date and time for submission of bids through portal.	17.00 Hrs. of 28.09.2018
6.	Date and time of opening bids.	15.00 Hrs. of 03.10.2018



#### **A. Instructions to Bidders**

1. Bids are to be submitted online through e-Procurement portal of the Central Public Procurement Portal (CPP portal).
2. Bids submitted offline will not be considered.
3. Bidders are instructed to read and understand the eligibility criteria and terms and conditions.
4. EMD is Payable through Demand Draft drawn on any nationalized bank in favour of “**Central University of Karnataka**” payable at Kalaburagi. The DDs should be sent to “The Registrar, Central University of Karnataka, Kadaganchi -585367, Kalaburagi District” in sealed envelope by super scribing as “DDs for **Multichannel Potentiostat/Galvanostat**” tender. The DDs shall reach on or before the date and time of bid opening.

**OR**

Through Online payment

Account Number: 5109101000001 Bank: Canara Bank

IFSC: CNRB0005109

Bank Address: Canara Bank,

Central University of Karnataka,

Kadaganchi – 585367, Kalaburagi district, Karnataka, INDIA

and should enclose the necessary document proof of remittance through on line

5. EMD of the unsuccessful bidders will be returned/refunded after opening the price bids and EMD of the successful bidder will be refunded on submission of the performance bank guarantee (PBG) and PBG will be returned after the warranty period is over.
6. To avail the concessions available to Micro and Small enterprises, such bidders are required to upload, the valid registration certificate issued by NSIC.
7. Bidders are advised to submit the tender strictly based on the terms and conditions and specifications contained in the Tender Document. Conditional bids will be summarily rejected.

#### **B. Eligibility of the bidders**

1. The bidder shall be registered firm.
2. Bids can be submitted by original equipment manufacturers (OEM) or authorized dealers or distributor of Multichannel Potentiostat/Galvanostat.
3. The bidder shall not be black listed by any Govt./Semi Govt./Private Institution.
4. The bidder shall be free from the encumbrance and there shall not be any vigilance case/ CBI case/ Court Case pending against the bidder.-A declaration in this effect is required to be provided by the bidder.
5. The firm should be registered with the Income Tax, GST and other required statutory authorisation.



6. The firm should have an experience of at least 3 years in supply of Multichannel Potentiostat/Galvanostat and document proof in support of work order / purchase order from reputed government institution is required to be enclosed.
7. Average annual turnover during the past three years from 2014-15 to 2016-17 should be at least Rs. 50,00,000/-.
8. List of clients to whom supply were arranged highlighting the Government organizations along with contact numbers and work order copies are also required to be furnished.
9. The bidder should submit the Purchase Order and Installation Report of supplying at least one Multichannel Potentiostat/Galvanostat or similar equipment to any of the Government organization during the last two years (F.Y. 2016-17 to 2017-18).

**C. Each Bidder shall upload the following signed documents**

**Packet I**

1. Annexures I, II and Firm registration certificate
2. GST Certificate, PAN Card and NSIC certificate if applicable.
3. OEM / Authorized Dealership /Distributorship Certificate from principal,
4. Work orders/purchase orders from reputed organizations to meet the eligibility requirements.
5. Brochure/leaflet of the Multichannel Potentiostat/Galvanostat.

**Packet II**

6. Annexure III –Price Bid

**D. Terms and conditions**

1. Bids can be submitted directly from Original Equipment Manufacturer (OEM) or authorized dealer or distributor.
2. Bidder should provide valid registration numbers pertaining to income tax, GST etc.
3. Incomplete bids will be summarily rejected.
4. Technical literature/brochures/operational Manuel of the quoted model explaining all specifications should be enclosed with the quotation & should be uploaded. All the documents should be in English.
5. The supplier must provide guarantee that all the specifications being offered in the quotation will be met by the equipment supplied. **The supplier must submit a table indicating the compliance of the features of the quoted model with those given in Annexure - I.**
6. Minimum of **two year warranty** is required on the main equipment and accessories from the date of installation and commissioning of the equipment.
7. Utility and installation requirements (Electrical power, back up, computer, etc.) should be clearly mentioned in the quotation.



8. Price quoted should be inclusive of taxes, handing, transportation up to CUK Campus, Kadaganchi, Kalaburagi District, installation charges, and training charges, if any and the breakup are required to be furnished.
9. **Mentioning the price in the technical bid will lead to rejection of the bid.**
10. Documentary evidences of system performance should be provided along with the submitted technical bid.
11. The supplier should provide a list of users from Government institutions in India as well as from abroad. Confirmation of the claim should be supported by at least three users of specified model.
12. Quotation validity should be at least for 90 days from the date prescribed for submission of bid.
13. Time required for delivery after confirming order, should be provided and it should not be more than four months from the date of issue of purchase order.
14. EMD of the unsuccessful bidders will be refunded after opening the price bids.
15. The supplier shall provide performance bank guarantee (PBG) of 10 % of the total value of the contract through Bank guarantee for the warranty period. The validity of PBG should be 60 days beyond the warranty period.
16. The University reserves the right to postpone and/or extend the date of receipt or to withdraw the tender notice or not to place the order or to place order for part or full quantities without assigning any reason thereof at any stage of the tender. In such an event, bidders shall not be entitled to any compensation, in any form whatsoever.
17. Canvassing in connection with the tender is strictly prohibited and the bids submitted by such bidders indulging in such practices are liable to be rejected. CUK reserves the right to debar the firm for minimum of one year as per the University policy.
18. The successful bidder is requested to make an agreement along with 10% of the purchase order value as PBG.
19. Any legal action or proceeding will be initiated as per the terms of the agreement. Any dispute arising out of the process will be tried by the court of Kalaburagi jurisdiction only.
20. If tender opening day happens to be holiday, the next working day will be treated as tender opening.

#### **E. Payment terms**

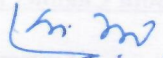
1. For domestic companies, payment will be made after delivery, installation and commissioning of the equipment through online transfer.
2. For foreign companies, payment will be made through one of the following options:
  - i. Irrevocable letter of credit (L/C) for 90 days. Name and address of beneficiary on whom L/C will be opened should be clearly mentioned.



90% of the payment on fulfilling the L/C conditions and balance 10% of the payment on submission of the PBG or on expiry of the warranty period subject to fulfilling the condition that the equipment is installed & working in good condition and certified by the concerned authorities/Department of the University.

OR

- ii. Transfer within 30 days from the date of installation and satisfactory commissioning of the equipment subject to submission of PBG for 10% of the value of the purchase order and certification by the concerned authorities/Department of the University.
3. Delay in supply would attract liquidated charges at the rate of 0.5% per week or part of a week, subject to maximum 10% of the purchase order value. This is without prejudice to any other right available to the University.
4. Any amendment cost in LC opening is required to be borne by the supplier part.

  
**Registrar**

Central University of Karnataka  
कुलसचिव / REGISTRAR  
कर्नाटक केन्द्रीय विश्वविद्यालय  
Central University of Karnataka  
गुलबर्गा / GULBARGA.



## Annexure I – Technical Specifications

### Technical Specifications for Multichannel Potentiostat/Galvanostat

CUK wishes to procure a **Multichannel Potentiostat/Galvanostat** with accessories. Prospective suppliers should quote for supply, delivery & installation with a list of other accessories required for complete and smooth operation of the equipment. The technical offer should clearly include make and model number of the offered equipment.

#### Technical Specifications:

S.No	Description	Compliance
1)	<p><b><u>Hardware specifications-Multichannel Potentiostat/Galvanostat</u></b></p> <p>A high performance two independent channel (as well as in synchronized way) electrochemical workstation suitable to perform the Bi-Potentiostat/Potentiostat/Galvanostat and EIS. The hardware should support the operation for RDE and RRDE measurements.</p> <p><b><u>Number of channels: 2</u></b></p> <p><b><u>Both Channel 1 and Channel 2 Specifications:</u></b></p> <ul style="list-style-type: none"> <li>• System should work as BiPotentiostat mode and both the channel should have a facility to operate simultaneously</li> <li>• Two channels should have Compliance Voltage: <math>\pm 12V</math> or more</li> <li>• Applied voltage: <math>\pm 10V</math></li> <li>• Voltage accuracy: 1mV or better</li> <li>• Voltage resolution: 5 micro volt or better</li> <li>• Current limit: 1nA or less &amp; 500mA or more – minimum 5 ranges should be provided</li> <li>• Current accuracy @ 0.1% of the range or better</li> <li>• Current resolution: 0.005% or better</li> <li>• Two channels should have impedance Frequency range from 10<math>\mu</math>Hz to 7Mhz or better</li> <li>• Amplitude: 1mV to 2 Volt or better with the single and multi-sine facility</li> <li>• Electrometer input impedance: 1T Ohms or more</li> <li>• Bias current: 10 pA</li> <li>• Data acquisition rate: 10,00,000 samples/sec</li> <li>• Minimum 2 additional voltage recording input ( ADC ) for 0-10V range. Input received in this channel should be scalable and interpretable to control the software measurement protocols. (e-g: recording optical sensor info, LED light source info etc..)</li> <li>• Minimum one number of DAC ( 0-10V) to control the external devices from main system</li> </ul> <p><b><u>Software requirements:</u></b></p> <ul style="list-style-type: none"> <li>• Voltammetry techniques- CV, Multiple CV, SWV, Staircase Voltammetry</li> <li>• Pulse: DPV, Normal Pulse, RNPV, Chrono amperometry , Chronopotentiometry</li> <li>• Corrosion: Potentiostatic/Galvanostatic-Galvanodynamic, LPR, Tafel, ECN, CPT</li> <li>• Energy: charge/discharge Constant potential, Constant current, Constant power,</li> </ul>	<p>Specify whether tender quoted is in COMPLIANCE with the Technical specification given for each item in S.No. 1 and all Channels specifications &amp; software requirements. If any feature is not matching, it should be mentioned and explained.</p>



	<p>Constant resistance/load, Calculation efficiency of cycle.</p> <ul style="list-style-type: none"> <li>• Software for Battery testing / Fuel cell characterisation / Super capacitors analysis.</li> <li>• Complete analysis software for CV</li> <li>• EIS circuit fitting facility and software should capable of include our own design with the software license</li> <li>• Free upgradation of software should be provided by the supplier</li> </ul>	
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### Installation and Warranty:

Onsite installation and training should be provided by the supplier. Minimum of two year warranty on the equipment and spares from the date of installation and satisfactory commissioning of the equipment is required.

Date:\_\_\_\_\_

Name:\_\_\_\_\_

Place:\_\_\_\_\_

Designation:\_\_\_\_\_

Seal:

Particulars	Amount	DD Date	Name of the Bank
EMD	£ 50,000		

### DECLARATION

- I the undersigned hereby that I have gone through the terms and conditions mentioned in the tender document and undertake to comply with all the terms and conditions mentioned in the tender document.
- The time period for me to work and binding upon me for the entire period of contract.
- I hereby undertake to supply the items as per specifications as given in the tender document/supply order within stipulated period. If I default in the tendering process.
- I give the right to the Central University of Karnataka to forfeit the earnest money paid by me if any delay occurs on my part or if I fail to comply with the terms and conditions mentioned in the tender document.
- There is no violation of law in award and pending against my firm and is not blacklisted by any government.

Name:\_\_\_\_\_

Date:\_\_\_\_\_

Designation:\_\_\_\_\_

Place:\_\_\_\_\_

Seal:\_\_\_\_\_

Note to bidder: To be submitted by the bidder in the later part and to be signed by the authorized signatory with name and designation. Affix the seal of the firm.



**Annexure II**  
**Tender Application and Declaration Form**

1. Name of the Firm: .....
2. Full Postal Address:.....
3. Mobile No. ....
4. Telephone No. ....
5. Fax No.....
6. E.mail Id:.....
7. Date of Establishment of Firm.....
8. Registration No. of Firm:.....
9. Is your firm participating as original equipment manufacturer (OEM) or on behalf of OEM or Authorized dealer? .....
10. Give details of any Government contracts executed during the last two year (attach separate sheet, if necessary):.....
11. Details of the EMD

Particulars	Amount	DD Date	Name of the Bank
EMD	Rs. 50,000		

**UNDERTAKING**

- a) I the undersigned certify that I have gone through the terms and conditions mentioned in the tender document and undertake to comply with all the terms and conditions mentioned in the tender document.
- b) The rates quoted by me are valid and binding upon me for the entire period of contract.
- c) I hereby undertake to supply the items as per specifications given in the tender document/supply order within stipulated period, if I qualify in the tendering process.
- d) I give the rights to the Central University of Karnataka to forfeit the earnest money paid by me if any delay occurs on my part or if I fail to comply with the terms and conditions mentioned in the tender document.
- e) There is no vigilance/CBI case or court case pending against my firm **nor** is my firm blacklisted by any agency/department.

Date:\_\_\_\_\_

Name:\_\_\_\_\_

Place:\_\_\_\_\_

Designation:\_\_\_\_\_

Seal:

**Note to bidder:** To be submitted by the bidder in the letter head and to be signed by the authorized signatory with name and designation. Affix the seal of the firm.



### Annexure III - Price Bid

Sl.no	Description	Amount in INR / Foreign currency
1.	Price of the equipment mentioned in Annexure I , exclusive of taxes	
2.	Taxes as applicable	
3.	Charges for transportation, installation, and training, if any.	
4.	Price inclusive of taxes, transportation and installation etc in words and figures.	

**Note:**

- 1) If the price is quoted in foreign currency, it will be converted into Indian Rupees at RBI reference rate prevailing on the date of opening the price bid to prepare the comparative statement and to determine the lowest quoted bid (L1).
- 2) University shall provide DSIR certificate.

Date: \_\_\_\_\_

Name: \_\_\_\_\_

Place: \_\_\_\_\_

Designation: \_\_\_\_\_

Seal:

**Note to bidder:** To be submitted by the bidder in the letter head and to be signed by the authorized signatory with name and designation. Affix the seal of the firm.