



MAHATMA GANDHI UNIVERSITY

MGU/RUSA/ Etender/SCS/2023/05

29/07/2023

NOTICE INVITING TENDER

The PI RUSA Project, Mahatma Gandhi University, Kottayam, invites online bid (technical and financial bid) for supply and installation of the Scientific equipment “**Upgradation of Electrochemical Workstation**” from reputed firms.

1	Name of the scientific equipment	Upgradation of Electrochemical Workstation
2	Earnest money deposit (EMD)	Rs. 30,000/-
3	Tender submission fee	Rs. 6000/-
4	Period of supply and installation	Within 90 days from the LC Opening Date
5	Mode of submission of Bid	Online
6	Tender Documents	Can be downloaded from the website www.etenders.kerala.gov.in
7	Last date and Time of submission of tender by online	23/08/2023, 4.00 pm
8	Last date and Time of submission of relevant documents by speed post	25/08/2023, 12.00 pm
9	Date and time of opening of technical bid	25/08/2023, 12.00 pm

General tender documents and tender schedule can be downloaded in A₄ plain size paper free of cost from the website www.etenders.kerala.gov.in. Duly filled up and signed tender schedule along with relevant documents should also be sent to “**The Director School of Chemical Sciences, Mahatma Gandhi University, Kottayam, Kerala Pin-686560**”, by speed post so as to reach before the date and time specified. The cover containing the documents should super scribe the name of the scientific equipment, tender number, and last date of submission of tender.

Documents to be submitted along with bid through online/speed post

Sl.No	Through online	Through speed post
1	Scanned copy of valid registration certificate/dealership certificate	Copy of valid registration certificate attested by a gazette officer/ dealership certificate
2	Scanned copy of duly filled e-payment form	Duly filled e-payment requisition.
3	Scanned copy of other certificates required, if any, for tender acceptance	Copy of other certificates required, if any, for tender acceptance.
4	Scanned Copy of duly filled preliminary Agreement in stamp paper of Rs.200/-	Preliminary Agreement in original
5	BOQ	Not Required

Specification for Instrument

Upgradation of Existing Electrochemical Workstation/ Battery test system

No. of Channels required: 19 independent channels

Channel 1-3 Specifications

Compliance Voltage: $\pm 20V$ or more
Applied voltage: $\pm 15V$ or more
Voltage accuracy: 0.1% or better
Voltage Resolution: 0.1% or better
Current ranges: $\pm 10 \text{ nA}$ - $\pm 1000 \text{ mA}$, with 5 or more current ranges
Maximum applied current: $\pm 1000 \text{ mA}$
Current accuracy: 0.1% or better
Current Resolution: 0.1% or better
Impedance Frequency range: 10 μHz to 5 MHz or better
Impedance required for all the channels
Input Impedance: $1T\Omega$ or better
Amplitude: 10 μV to 6 Volt or better
Electrode connection: 2, 3 & 4
Computer interface: USB/Ethernet

Channel 4-19 Specifications

Voltage Range: 25 mV to 5V
Accuracy: $\pm 0.05\%$ of FS
Stability: $\pm 0.05\%$ of FS
Applied Current: $\pm 6 \text{ A}$ or better
Range1: 0.5mA-100mA; Range2: 100mA-3A; Range3: 3A-6A

Accuracy: $\pm 0.05\%$ of FS
Stability: $\pm 0.05\%$ of FS
Minimum Pluse width of 500 m Sec
Data recording: 100 m Sec
Charge and Discharge Indication should be there.

Special Conditions

1. Instrument should be supplied with necessary manuals or Quotation should include the detailed description of each module with circuit diagram.
2. Complete set of service and operation manuals for diagnosis, trouble shooting, maintenance and electronic circuitry (hard and soft copies).
4. The Delivery Schedule, Payment Terms & Warranty/Guarantee etc must be clearly indicated in the technical bid. The bids shall be opened at the date and time specified. Further details can be had from the office on the undersigned on all working days during working hours. The bidders are advised to submit their bid well in advance to avoid any kind of network issues. If relevant documents through speed post are not submitted with in time, the tenders will not be considered. The undersigned reserves the right to reject any or all the tender without assigning any reason whatsoever.
5. In case if sufficient number etender with complete documents are not received before the closing date, the closing date of the tender will be extended to another 10 days and in this single tenders will be considered.

Sd/-

PI, Dr. Ditty Dixon