Department of Chemistry, University of Kerala,
Kariavattom, Thiruvananthapuram, Kerala – 695581
Phone: 0471- 2308682

Quotation Notice

No.DC/KSCSTE/Eq/1;  Date: 27.03.2015
Quotations in sealed covers are invited for the following equipment for a sponsored project.

Quotation Number:  No.DC/KSCSTE/Eq/1;  Dated: 27.03.2015

Due date and time for receipt of quotations:  13.04.2015;  10.30 Hrs

Date and time for opening of quotations:  13.04.2015, 11.00 Hrs

Date up to which the rates are to remain firm for acceptance:  13.07.2015

Condition:  The cost should be in INR and include all expenses till complete and satisfactory installation and demonstration. (Necessary certificates will be issued when required for transport clearance)

Designation and address of officer to whom the quotation is to be addressed:
The Principal Investigator & Head,
Department of Chemistry,  University of Kerala,
Kariavattom Campus, Thiruvananthapuram, Kerala, 695 581 - India.

Electrochemical Workstation / Potentiostat  (for I-V & impedance analysis and for Solar simulator based studies)

Required Specifications:

Current ranges: ±10nA to ±500mA or more

Applied Potential range: ±10V or more

Voltage Resolution: 1μV or better

Current Resolution: should be in femto ampere range

Frequency range: 10μHz-4MHz or more –

Bandwidth of electrometer: 5MHz or better

Electrode configurations: 2, 3, 4 & 5 electrode configurations.

Interface: USB; Floating facility is required.
Software’s required.

1. Fuel cell/photovoltaic testing software including I-V, fill factor efficiency calculation etc..
2. Battery/Super capacitor testing software including Impedance measurement facility, constant load discharge, constant current constant power etc..
3. Corrosion software including LPR, Tafel etc.
4. Pulse software including DPV,NPV, RNPV,SWV etc
5. Impedance spectroscopy software. facility to find our L,C,R, Tan delta parameters.
6. Voltammetry software including CV, LSV etc..
7. Software for synchronising a solar simulator with the Electrochemical Workstation.

Other Accessories required:
1. Platinum working electrode-1No.
2. Small volume Electro chemical cell with Platinum wire counter electrode.-1 no.
3. Glassy carbon electrode- 1No.
4. Ag/Agcl Reference Electrode-1No.
5. Computer with i-5 Processor, 2GB RAM, 500GB HDD windows operating system for data acquisition and post data analysis with Printer/scanner.

The Associate Professor & Head,