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21 October 2016

Inquiry No. **IITK/CHM/TGG/2016/003**

Last date: 1st November, 2016 till 1:00 PM

Sub.: Request for quotation for “**Bipotentiostat and Electrochemical cell with electrodes**” for controlling electrochemical Scanning Tunneling Microscope

Dear Sir/Madam

Kindly send us sealed quotations (technical and financial together) for the following item. Quotations should be addressed to **Dr. Thiruvancheril G. Gopakumar, Department of Chemistry, IIT Kanpur 208016**, and must reach on or before 1st November, 2016 till 1:00 PM.

Thanking you

Thiruvancheril G. Gopakumar

Specifications for Bipotentiostat

1) Specifications

Potential range :	Both Channels: $\pm 10\text{V}$ (2 channels)
Potential control accuracy :	$\pm 1\text{mV}$ (0.1%)
Applied potential noise:	$< 10\ \mu\text{V rms}$
Scan increment of Potential:	$0.1\ \text{mV @ } 1,000\ \text{V/s}$
Electrode configuration:	capable for 2- or 3- or 4- electrodes
Rise time :	$< 1\ \mu\text{s}$
Potentiostat bandwidth:	1M Hz
Current range :	$\pm 250\ \text{mA}$
Measured current range:	$\pm 10\ \text{pA}$ to $\pm 0.25\ \text{A}$
Current control accuracy :	0.1% (complete range)
SWV frequency :	0.1 to 100 kHz
DPV and NPV pulse width :	0.001 to 10 s
Low-pass filters :	covering at least 8-decade
Potential and current range :	Automatic
Other requirements:	Windows Based Acquisition Software Power supply 220V/50Hz Interface Cable (Serial / USB) Installation and training
Electrochemical cell:	A compact electrochemical cell with Pt wire electrodes and reference electrode. The size of the cell should be 1 cm diameter and 1 cm deep. Other configuration with comparable size is acceptable.
Computer:	Optional

Terms and Conditions:

1. Price should be CIP Kanpur
2. Warranty at least 1 year