



# Indian Institute of Information Technology, Design and Manufacturing, Kurnool

## Inviting of Quotations through LPC

Reference No: IIITDMK/19-20/S&P/LPC/Sensors and Instrumentation Practice /

DT: 13.02.2020

Subject: Supply and Installation of Handheld Potentiostat –Regarding

Please send your lowest quotation to supply the item(s) shown in the table below. The quotation is to be sent in a sealed envelope addressed to "Registrar I/c, Indian Institute of Information Technology, Design and Manufacturing, Kurnool-518007, Andhra Pradesh"

**Subscribing the above reference number clearly on the envelope.**

**The last date to receive the sealed quotation is 27.02.2020**

Specifications for Handheld Potentiostat:-

S.No	Description of the Items	Quantity
1	<p>Potentiostat</p> <ul style="list-style-type: none"><li>• Maximum potential range: <math>\pm 5.0</math> V or higher</li><li>• Compliance voltage: <math>\pm 11.0</math> V or higher</li><li>• Current range: <math>\pm 50</math> mA or higher</li><li>• Reference electrode input impedance: <math>1 \times 10^{12}</math> ohm or higher</li><li>• Sensitivity scale: <math>1 \times 10^{-9}</math> - 0.01 A/V in 7 ranges or lesser</li><li>• Input bias current: <math>&lt; 80</math> pA or lesser</li><li>• Current measurement resolution: <math>&lt; 1</math> pA or lesser</li><li>• Data acquisition: 16 bit @ 100 kHz or higher</li><li>• CV and LSV scan rate: 0.000001 to 80 V/s or higher</li><li>• CA and CC pulse width: 0.001 to 1000 s or higher</li><li>• CA and CC Steps: 1 - 320 or higher</li><li>• DPV and NPV pulse width: 0.001 to 10 s or higher</li><li>• SWV frequency: 1 to 5000 Hz or higher</li><li>• Low pass filter for current measurements</li><li>• Maximum data length: 256K-16384K selectable or higher</li><li>• Power: USB port</li><li>• Required Software</li></ul> <p>Available Electrochemical Techniques</p> <ul style="list-style-type: none"><li>• Cyclic Voltammetry (CV)</li><li>• Linear Sweep Voltammetry (LSV)</li><li>• Chronoamperometry (CA)</li><li>• Chronocoulometry (CC)</li><li>• Open Circuit Potential - Time (OCPT)</li></ul> <p>Software to software support performs above electrochemical techniques</p>	1 No

**While sending your Lowest quotation-Please specify the following**

1. GST : Inclusive / Exclusive
2. Rates : a) F.O.R. Destination / Ex-works  
b) Estimated Packing, forwarding and Freight Charges In case Ex-works only, may be Mentioned on Percentage basis.
3. Preferred terms of payment : Full payment within 30 days from the date of receipt Of the material, tested/inspected/commissioned And found satisfactory with regard to quality, quantity Specifications ordered.
4. Recommended mode of transport :
5. Discount offered , if any :
6. Validity of the offer :
7. Warranty Period :
8. Indicate whether any AMC : Support is given after completion Of warranty Period. If so, the AMC Charges may be mentioned on Percentage basis
9. Firm Schedule of delivery :
10. Detailed drawings / catalogues/ : Leaflets/literature/samples may Be furnished wherever feasible/ Required.
11. Please mention the Quotation number and name of the item/s (in brief) on your envelope when submitting your quotation to the institute.
12. Please note that the Head of the Institute reserves the right to modify or alter the specifications and also to reject any or all the quotations without assigning any reasons thereto.

**Sd/-**

**Registrar I/c**

