

DEPARTMENT OF CHEMICAL ENGINEERING  
INDIAN INSTITUTE OF TECHNOLOGY DELHI  
HAUZ KHAS, NEWDELHI – 110016

Ref No: IITD/ChemEng/RP02447

Dated: 28/4/2012

NOTICE INVITING QUOTATION

Sub: Purchase of an Electrochemical Characterization system

Sealed quotations in separate envelopes of technical and commercial bid kept in a one sealed outer envelope are invited for purchase of a “**5 square centimeter cell hardware**” as per specifications given below. Your sealed quotation should be reach latest by May 12, 2012 to **Prof. S. Basu, Department of Chemical Eng., Indian Institute of Technology Delhi (IIT Delhi), Hauz khas, New Delhi – 110016**. Your quotation should be superscribed ‘Quotation for **5 square centimeter cell hardware**’ dated 28/4/2012.

Proper figure of the dismantled cell showing the required features has to be attached with the quotation.

Specifications:

1. Chromic plated aluminium alloy end plates.
2. Scratch free copper current collectors with a flash Nickel plating and Gold plating
3. Pyrosealed graphite bipolar plates; Pyrosealed with serpentine flow channel with 0.031 inch width and 0.040 inch depth grooves and square shaped active area.
4. Teflon coated fiberglass gaskets of 0.006 inch and 0.010 inch thick.
5. Cartridge type heaters (20/240V, wired in series/parallel, capable of heating cell up to 250 °C).
6. ‘O’rings and tubing of feed line and other cell components capable for sustaining temperature up to 250 °C.
7. Banana plugs sense leads and high current wire with aluminium alloy lugs.
8. Provision for measuring and controlling temperature.
9. Cell with reference electrode (platinum electrode which can act like dynamic hydrogen electrode) incorporated in it on anode side.
10. Bottom – top design for input of fuel to the flow channel.

Chairman, PFC, IIT Delhi