

Enquiry No: AS/CHE/12-13/11

Date: January 28, 2013

**Last date: Feb 06, 2013**

Dear Sir/Madam:

We are interested to purchase **Battery Analyzer System** for our lab. You are requested to send us your best offer (separate technical and commercial offer) having following specifications.

**System specifications:**

**1. Battery Analyzer (without laptop)**

**Specifications:**

Current Range : Min: 0.1mA or less, Max: 10mA

Voltage Range : 0-5 V

No. of measurement cycles: 5000 or more

Channels: 8 or more independently programmable channels

Coin cell testing board for coin cells with diameter 20mm

Electricity requirement: 220 V AC

**2. Precision disc cutter with 15mm,19mm and 20mm precision dies with disc collect drawer**

**Specifications:**

Manually operated, for cutting circular discs from thin metal foils (< 0.5 mm) or separator film (<50um)

Dimensions :Height < 500mm (suitable for operation inside Glove Box)

Qty :02

**3.Electric Precision Rolling Press with Dual rollers and dual grade Micrometer**

Rolling thickness adjustable 0 – 2 mm Maximum.

Compact size

Constant rolling speed.

**4. 2032 button cells cases made of 316 stainless steel with sealing O-ring**

Dimension ( Dia X H): 20mm x 3.2mm

Qty:200

**5.One pair of wave spring and spacer made of 316 Stainless for 2032 coin cell cases.**

Spring dimensions: 14.5 mm O.D x 10.25 mm I.D x (1.2±0.05) mm Height (from Crest to Trough) x 0.3mm thickness

Spacer dimensions: 15.8 mm diameter x 0.5 mm thickness

Qty: 250

**6. One spring (Belleville Washers) made of 304 Stainless for 2032 Coin cell**

Spring dimension: 15.4 mm dia x (1.2±0.03) mm height x 0.25mm thickness  
Qty: 100

**7. Copper Foil for Battery Anode Substrate**

Dimensions: (190mm length x 298mm width x 9um thickness)

**8. Copper Net Foil for Battery Anode Substrate**

Dimensions: (240mm width x 55um thickness x 20 Meter L)

**Spares and Consumables:**

- (a) A list of spares should be included with the equipment.
- (b) Sufficient number of rapidly wearing and consumable parts should be included to cover the guarantee period.

**Standard Warranty:** 1 year

**Annual Maintenance Charges:** Annual Maintenance charges after warranty period- Comprehensive/Labor (Specify unlimited/fixed/breakdown visits) on per year basis.

**Port of Delivery:** FOB

Kindly send your offer in a sealed envelope marked “**Battery Analyzer –January 2013**” so as to reach us on or before **February 6, 2013** to the following address:

**Prof. Ashutosh Sharma**  
**Department of Chemical Engineering**  
**Indian Institute of Technology Kanpur**  
**Kanpur, INDIA-208016**