

*Dr. Kishor Sarkar*

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## **Department of Polymer Science & Technology**

**UNIVERSITY COLLEGE OF SCIENCE & TECHNOLOGY**

**UNIVERSITY OF CALCUTTA**

**92, A.P.C. Road, Kolkata- 7 00 009**

**PHONE: 2350-1397, 2350-6996, 2350-6387, 2350-8386**

**FAX: 91-033-2351-9755**

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### **TENDER NOTICE**

**Tender No.** PST/KS/DST-SERB/EEQ/2016/000712/Inst-2

**Date:** 12/04/2017

Sealed Quotations are invited from the established vendors for an **Electro spinning apparatus** with following specifications.

#### **Technical Specifications:**

1. High voltage (HV) power :  
phase

**Make:** Ionics, **Input power:** 230V±10% AC, 50 Hz single

**Output voltage:** 2- 40 KV DC

**Output current:** 0-1 mA

**Polarity:** +ve

**Voltage control:** By 10-turn potentiometer with lockable counting dial

**Front panel:** Power ON/OFF switch with indication

HV ON/OFF switch

HV ON indication

3 ½ digit voltage and current meters

10-turn potentiometer for voltage control

**Back Panel:** Socket for main input with 250V

10A 3 conductor power cord of 1.5 mtrs

Fuse holder with fuse

RF connector for HV output

Stud for grounding the limit

**Output cable:** 1.5 mtrs of HV DC cable

2. Syringe Pump

:

**Make:** NEW ERA PUMP SYSTEMS INC. (USA MADE)

**Syringe sizes:** Up to 60 mL

**Maximum pumping rate:** 2120 mL/hr with a 60 ml syringe

**Minimum pumping rate:** 0.73 µL/hr with a B-D 1 ml syringe

**Maximum force:** 35 lbs. at minimum speed, 18 lbs.

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- |                           |   |  |
|---------------------------|---|--|
| 3. Plate collector        | : | 125 mm x 125 mm  |
| 4. Drum collector         | : | Length- 125 mm, Dia- 42 mm   |
| 4. Distance adjustment    | : | Manual jack to adjust distance between syringe and collector   |
| 5. Enclosure construction | : | Aluminum Strut frame with glass/polycarbonate clear panel on the Left side and front doors. All other panels made of Epoxy based insulated material and aluminum sheets.   |
| 7. Other safety opened    | : | Safety switch to switch off H.V. Power supply when door is opened<br><br>Hazard lamp to indicate that H.V. Power supply is on<br>Proper cabin lighting<br>Back Light to view Needle tip<br>Exhaust Fan-ventilation<br>Emergency Stop<br>Rubber floor mat for user safety |

### **Technical terms and conditions:**

1. The company should provide free installation of the equipment including detailed demonstration of the same.
2. Company should provide minimum **two years warranty** from the date of purchasing the Equipment

### **Other Terms & Conditions**

1. The sealed quotations are to be submitted along with valid Trade License, VAT registration Certificate, Income Tax Return documents and other necessary documents in the office of **Dr. Kishor Sarkar**, Department of Polymer Science and Technology from 11 a.m. to 5 p.m.
2. The quotation should be submitted in a 2-bid system (i.e. Technical and commercial)
3. The last date of submission of quotation is **10 days** from the date of publication. The date of opening of Tender is **2-3 days** after the last date of submission.

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4. The decision of the authority is final. The authority reserves the rights to accept or reject Tender without assigning any reason.
  5. The University reserves the right to amend or modify any of the terms and conditions as contend here in and/or to bring forth or incorporate such other terms or further terms and conditions for performance of the job and/or the contract.

Your kind co-operation is solicited in this regard.

Thanking you,

Dr. Kishor Sarkar

Gene Therapy and Tissue Engineering Lab

Department of Polymer Science and Technology

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