

NATIONAL INSTITUTE OF TECHNOLOGY  
KURUKSHETRA-136119

No. Phy/NITK/2017/136/1295

Dated: 14/03/18

M/s Institute Website

**Sub: INVITATION OF QUOTATIONS FOR ELECTROSPINNING SETUP**

1. You are invited to submit your most competitive quotation for the following goods:

Sr.No.	Brief Description & Specifications of Goods	Quantity
1.	Electrospinning Setup  (Detailed Specifications are attached)	01 Nos.

- Necessary literature of the goods may please be sent to facilitate to take decision.
- Payment will be made Online through RTGS/NEFT within 30 days after receipt of material in good condition and according to specifications. The Bank detail for making online payment may be indicated in the quotation.
- The supplier shall deposit Earnest Money alongwith the Quotation amounting to Rs. 50000 /- in shape of Accounts Payee Demand Draft, Fixed Deposit Receipt, Bankers Cheque or Bank Guarantee from any commercial Bank in favour of the Director, National Institute of Technology, Kurukshetra. The Quotations without Earnest Money shall be rejected, the EMD will remain valid for a period of 45 days beyond the final validity period of quotation.
- Performance Security @ 05% of the total value of the equipment may be furnished in shape of Demand Draft, Fixed Deposit Receipt or Bank Guarantee from any Commercial Bank in favour of the Director, NIT Kurukshetra valid upto 60 days after the date of completion of warranty .
- The items must be supplied within delivery period or delivery period extended by the Institute on the request of the supplier on genuine grounds otherwise the penalty for delayed period @ 0.5% of the amount shall be charged for every week or part thereof and the maximum 10%..
- The goods are required exclusively for Research Purpose. The Duties are not payable by the Institute.
- The quotation should remain valid for a period not less than 60 days from the date of submission.
- The firm must have got **GST No.** printing on their quotation. Please quote FOR NIT Kurukshetra.
- The right of accepting or rejecting any quotation and to cancel the bidding process and reject all quotations without assigning any reason is reserved with the Institute.
- The due date for receipt of quotation is **02.04.2018** and will be opened on next working day. Please quote on the top of the envelope our Ref. No. and due date of opening.

*[Signature]*  
14/3/18  
Prof-Incharge (Stores)

## Specifications: Electrospinning Setup

- Universal rotating drum collector with drum size: 100mm diameter x 200mm length.
- Negative high-voltage power supply for collector (down to -10kV).
- Computer controlled Screen through which the user can interact with intuitive software, controlling all the parameters and functionalities.
- Primary HV power supply: 0 to 30 kV
- Syringe pump:
  - Minimum dead volume < 0.1 ml.
  - Syringe volume: 140 mL or better
  - Min-max flow rates: 0.1 – 1000 mL/h or better
  - Linear force: 100-200N or better
- Single-phase emitter with needle dimensions: **ID:** 0.08 – 2.6 mm, **OD:** 0.15 – 3.2 mm:
- Regulation of the distance between spinning head and collector from 0-260 mm
- **Second syringe pump with coaxial spinning head**
- independent control of a 2<sup>nd</sup> solution flow for enabling
- single-phase or co-axial electrospinning/electrospraying.
- Minimum dead volume (down to < 0.1 mL).
- Syringe volume: up to 140 mL or better
- Flow rates: 0.1 – 1000 mL/h or better
- Capillary needles dimensions: **ID:** 0.08 – 2.6 mm, **OD:** 0.15 – 3.2 mm
- Safety features: CE compliant.

## **Term and Conditions:**

1. Warranty: 12 Months
2. FOR: NIT Kurukshetra
3. Delivery: 3-4 Months
4. All necessary installation and training assistance should be provided
5. Demonstration and Installation on the spot by the expert of the company

Arunish  
29/11/17

Arshant

Agarwal  
29/11/17