

**DEPARTMENT OF TEXTILE TECHNOLOGY  
INDIAN INSTITUTE OF TECHNOLOGY - DELHI  
HAUZ KHAS, NEW DELHI – 110016**

Dated: 06.01.2017

**Fabrication of Filter Cartridge**

Sealed quotations are invited for the fabrication of filter cartridge. Interested parties are requested to submit the technical and financial bids in separate sealed envelopes. Mark the envelopes clearly as “Technical bid” and “Financial bid”. Both the sealed envelopes should be sent in a single envelope, clearly marked as “Quotations for fabrication of filter cartridge.” The technical specifications of the data acquisition system are as follows:

**Technical Specifications:**

1. This filter cartridge will basically be used for the removal of bacteria from supplied water.
2. The fabricated machine should have enough capability for winding the electrospun nanofibrous web.
3. It should have arrangement to hold fabric sample roll.
4. It should have proper arrangement to adjust the winding tension.
5. The machine should have proper provision to vary the wind speed.
6. It should have provision to adjust the winding area over the cartridge frame.
7. It should measure the winding length of fabric correctly. Moreover, machine should stop the winding operation once the pre-determined length of fabric is wrapped upon the cartridge frame
8. There should be uniform winding over the surface of cartridge frame.
9. It should be capable to provide required winding density.
10. Mode of operation should be automatic.
11. Winding speed of winder should be in the range of 60-320m/min.
12. Dimension of winder machine should be nearby to 1mt × 3mt.
13. Supplier should have experience of supplying similar instruments at centrally funded institutes like IITs and NITs.

### **Terms and Conditions:**

- i. The vendor should provide **technical and commercial bids in separate sealed envelopes** and each envelope should be clearly marked with words “**Technical Bid**” and “**Commercial Bid**”.
- ii. IIT Delhi is exempted from excise duty and necessary certificate can be issued, if required.
- iii. IIT Delhi reserves the right to reject any or all quotations without assigning any reason.
- iv. The price quoted should be CIF, IIT Delhi including all taxes.
- v. Delivery period: within 3 months from the date of supply order.
- vi. The quotations must have validity of at least three months.
- vii. The quotation should provide the total price including all taxes and transportation charges.
- viii. Payment will be made only after successful installation and verification of technical details.

Kindly submit your bids on or before **23-01-2017** to the address given below:

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India  
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