



**Gaurav Verma PhD**

Associate Professor (Polymers) & Adjunct Faculty (Nanotechnology)

Dr Shanti Swarup Bhatnagar University Institute of Chemical Engineering & Technology

**Panjab University, Chandigarh India**

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Phone: +91-1722534905 (O), +91-172-2779173 (Fax)



**Speed post/Registered post**

**Dear Sir/Madam,**

**Please quote TECHNICAL and FINANCIAL bids (in two separate envelopes)** for the supply of following item(s) to Dr Gaurav Verma, Principal Investigator DST Chandigarh Project, Dr SS Bhatnagar University Institute of Chemical Engineering & Technology Sector 14, Panjab University, Chandigarh India, as per following description/specifications: -

**Description: Microcontroller Controlled Advance Spin Coating System with atleast the following specifications**

1. Motor Brushless DC ,
2. Rotation Speed: 500-8,000 rpm
3. Acceleration Period: 2-3 sec
4.  $\pm 1\%$  Error across the Full Speed Range
5. Duration 1 – 1200 sec
6. Real -time display on LCD console
7. Non Volatile Programme memory
8. Input and control option through Push Dial Encoder
9. Working chamber : Teflon-coated 8” diameter
10. User Friendly Firmware software
11. Calibration option
12. Spill drainage facility
13. Transparent Lid over working chamber
14. Integrated Motor Start/Stop Button with Indicator
15. Warm up Option
16. System should also be capable of holding substrate using Double Sided Adhesive Tape
17. Instruments dimension : accommodated on tabletop
18. Power: Universal Input 230/220V AC
19. Wattage: 100W
20. Set of Derlin made circular Substrate Holder of size 0.5”, 1” and 1.5”

Oil Free Vacuum Pump is recommended to hold the substrate

**LAST DATE OF RECEIPT OF QUOTATIONS: 31.01.2018 at 5.00 p.m.**

**Note: -** The quotation must reach in sealed envelopes by hand/registered post/speed post on or before **31.01.2018 by 5.00 p.m.** at the following address.

Dr Gaurav Verma,  
Principal Investigator DST Chandigarh Project, C/o The Chairperson  
Dr SS Bhatnagar University Institute of Chemical Engineering & Technology, Sector 14,  
Panjab University, Chandigarh



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**- MOST IMPORTANT -**

1. **Please quote technical and financial bids separately (in two separate envelopes).**
2. Panjab University, does not take responsibility for any postal delay in delivery of registered/speed post or lost in transit of quotation.
3. We have been exempted from paying central excise duty to vide govt. of India notification no. 10/97-central excise dated March 1, 1997 and is valid up to 31-8-2020.
4. The rate should be quoted both in words and figures in **financial bid only**.
5. Conditional and unsigned quotation will not be accepted.
6. The supply of consignment be commenced/made within 30 days of the issue of supply order.
7. All quoted rates should be for Panjab University and the firm should quote the rate of all taxes.
8. No payment will be made on proforma invoice.
9. The quotations shall not contain corrections, erasers, and overwriting.
10. The undersigned reserves the right to accept or reject **any quotation without assigning any reason. Lack of workmanship in the product may warrant rejection of the product even after delivery.**
11. **Special discount for the educational institution, University teaching department may be mentioned.**
12. Quotation shall be opened after about 10-15 days after the receiving of the quotes or on day of sitting of the designated committee, you may **depute your representative at the time of opening of quotation.**
13. The quotation (technical and financial bid) in a sealed envelope giving our/your reference no/date of quotation should be sent after affixing the required postage stamps. The quotation may be sent by speed post /registered post (as far as possible) / by hand.
14. The present rate of S.T/GST applicable on the articles should be clearly mentioned.
15. Earnest money/security deposit/any other sums of the tenderers lying with the University in connection with and other tender/case will not be considered against this tender.
16. Technical specifications are intended to be descriptive only and not restrictive. The bidder may substitute alternatives with identical standards, brand names and/or catalogue numbers in its bids, provided that it demonstrates to the purchaser's satisfaction.
17. The bidders shall provide a list of reputed institutions/universities/research laboratories in India where their equipment had been installed.



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**Mention clearly whether you meet the Technical Specifications (yes/no)**

<b>Description: Microcontroller Controlled Advance Spin Coating System with atleast the following specifications</b>	<b>Yes /No</b>
<ol style="list-style-type: none"><li>1. Motor Brushless DC ,</li><li>2. Rotation Speed: 500-8,000 rpm</li><li>3. Acceleration Period: 2-3 sec</li><li>4. <math>&lt;\pm 1\%</math> Error across the Full Speed Range</li><li>5. Duration 1 – 1200 sec</li><li>6. Real -time display on LCD console</li><li>7. Non Volatile Programme memory</li><li>8. Input and control option through Push Dial Encoder</li><li>9. Working chamber : Teflon-coated 8” diameter</li><li>10. User Friendly Firmware software</li><li>11. Calibration option</li><li>12. Spill drainage facility</li><li>13. Transparent Lid over working chamber</li><li>14. Integrated Motor Start/Stop Button with Indicator</li><li>15. Warm up Option</li><li>16. System should also be capable of holding substrate using Double Sided Adhesive Tape</li><li>17. Instruments dimension : accommodated on tabletop</li><li>18. Power: Universal Input 230/220V AC</li><li>19. Wattage: 100W</li><li>20. Set of Derlin made circular Substrate Holder of size 0.5”, 1” and 1.5”</li></ol>	
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Dr Gaurav Verma,

Principal Investigator DST Chandigarh Project

Dr Shanti Swarup Bhatnagar University Institute of Chemical Engineering & Technology,

Sector 14, Panjab University, Chandigarh