**Notice for inviting quotations**

Dt: 17-Jan-2014

Ref: NIQ/CBME/DK/Seed/JA/N2014

Sub: Purchase of probe station

Please send your quotation for purchase of above said item(s) as per specifications given below. Your quotations should reach latest by 5 PM on 05-Feb-2014. Quotations are solicited only for items manufactured by reputed company with proven past record of sales, supply and after-sale service.

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Item</th>
<th>Technical Specifications</th>
<th>Qty</th>
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</table>
| 1 | A probe station with microscope and digital camera (ability to record data) | Includes the following:  
  - Stereozoom Trinocular Microscope with camera mountable options  
  - Continuous zoom from 10X to 200X or turret based system with 10, 40X, and 200X eyepieces  
  - Light source  
  - Coaxial Stage with fine movement [~ 100 mm (X direction) x ~ 100 mm (Y direction)]  
  - Z axis 1” (~25 mm)  
  - 150 mm or higher vacuum chucks  
  - Chuck movement should be controlled by variable power magnetic base  
  - Chuck should be able to rotate 360 degrees  
  - Anti-vibration mounts | 01 |
<p>| 2 | Manipulators | The probe station should have two manipulators capable of moving x, y directions (greater than or equal to 10 mm or ± 5 mm) and z direction (0 to 10 mm). | |
| 3 | Coaxial Arms | The coaxial arms for probes made of highly conductive material (with suitable coating if needed). Should have a BNC connector. | |</p>
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<tbody>
<tr>
<td>4</td>
<td>Faceplate</td>
<td>Face plate for multiposition mounting of Coaxial or Triaxial probe Arms. (2 Nos.)</td>
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<tr>
<td>5</td>
<td>Probes</td>
<td>Package of 20 solid 20 mil Tungsten shaft probes. The radius shall be 15 µm. Optional costs for 10 µm and 20 µm probes shall be provided. <strong>The probes should be able to measure pico amperes when connected to external source.</strong></td>
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<tr>
<td>6</td>
<td>Camera</td>
<td>1/2” CCD TV Color camera with USB output, C Mount Camera operate in Windows 7 Software should be included Should be able to zoom and record the data</td>
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<tr>
<td>7</td>
<td>Camera adapter</td>
<td>Camera adapter for Stereozoom Microscope</td>
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<tr>
<td>8</td>
<td>Vacuum pump</td>
<td>A noiseless diaphragm pump (~5 to 6 litre /min)</td>
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**TERMS & CONDITIONS COVERING SUBMISSION OF QUOTATIONS**

1. Technical requirements
   a. The technical bid must contain all the required technical specifications.
   b. Along with the technical bid, please enclose support documents related to previous sale of the above items(s) within India.
   c. If the items are of proprietary nature, please provide proprietary certificate from the manufacturer.
   d. All INDIAN agents should provide agent certificate etc.,

2. DELIVERY: The rates quoted must be for **FOB prices only**

3. TERMS OF PAYMENT: 100% post-payment on delivery and satisfactory installation. LC/electronic (wire) transaction options may be specified.

4. INSTITUTE’S RIGHTS: IIT Delhi reserves the rights of acceptance or rejection of any or all quotations.

5. VALIDITY OF QUOTATIONS: Quotations should be valid at least for a period of **3 months**.

6. SUBMISSION OF QUOTATIONS: Both Technical and price bids are to be quoted separately in separate sealed covers. Both these bids should be sent in a sealed cover marked at the top **SUBJECT AND DUE DATE 05-Feb-2014 by 5PM**

Quotations should be sent, on or before due date to:

**Dr. Dinesh Kalyanasundaram**, Assistant Professor
Centre for Biomedical Engineering, IIT Delhi, Hauz Khas, New Delhi 110 016, India.

Send a note on email: dineshk@cbme.iitd.ac.in