

**Centre for Biomedical Engineering  
Indian Institute of Technology Delhi**

**Notice for inviting quotations**

Dt: 17-Jan-2014

Ref: NIQ/CBME/DK/Seed/JAN2014

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.

Sl. No.	Item	Technical Specifications	Qty
1	<b>A probe station with microscope and digital camera (ability to record data)</b>	Includes the following: <ul style="list-style-type: none"> <li>• Stereozoom Trinocular Microscope with camera mountable options</li> <li>• Continuous zoom from 10X to 200X or turret based system with 10, 40X, and 200X eyepieces</li> <li>• Light source</li> <li>• Coaxial Stage with fine movement [~ 100 mm (X direction) x ~ 100 mm (Y direction) ]</li> <li>• Z axis 1" (~25 mm)</li> <li>• 150 mm or higher vacuum chucks</li> <li>• Chuck movement should be controlled by variable power magnetic base</li> <li>• Chuck should be able to rotate 360 degrees</li> <li>• Anti-vibration mounts</li> </ul>	<b>01</b>
2	<b>Manipulators</b>	The probe station should have two manipulators capable of moving x, y directions (greater than or equal to 10 mm or $\pm 5$ mm) and z direction (0 to 10 mm).	
3	<b>Coaxial Arms</b>	The coaxial arms for probes made of highly conductive material (with suitable coating if needed). Should have a BNC connector.	

4	Faceplate	Face plate for multiposition mounting of Coaxial or Triaxial probe Arms. (2 Nos.)	
5	Probes	Package of 20 solid 20 mil Tungsten shaft probes. The radius shall be 15 $\mu\text{m}$ . Optional costs for 10 $\mu\text{m}$ and 20 $\mu\text{m}$ probes shall be provided. <b>The probes should be able to measure pico amperes when connected to external source.</b>	
6	Camera	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	
7	Camera adapter	Camera adapter for Stereozoom Microscope	
8	Vacuum pump	A noiseless diaphragm pump (~5 to 6 litre /min)	

#### TERMS & CONDITIONS COVERING SUBMISSION OF QUOTATIONS

##### 1. Technical requirements

- The technical bid must contain all the required technical specifications.
- Along with the technical bid, please enclose support documents related to previous sale of the above items(s) within India.
- If the items are of proprietary nature, please provide proprietary certificate from the manufacturer.
- 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