

Department of Chemical Engineering
Indian Institute of Technology; Delhi
Hauz Khas, New Delhi – 110 016
Contact No. – 26591032, 26596245

IITD/Stores/ PLN-03/BCHE/AKS
January 29, 2008

Sub: Specifications for the purchase of one unit UV-Vis Spectrophotometer

Please send your **technical as well a commercial offer** separately for the purchase of one unit UV-Vis Spectrophotometer as per the specifications given below. Your quotation should reach latest by **11.02.2008** to the Head, Department of Chemical Engineering. Your quotation should be superscribed with our reference number.

Specifications for UV-Visible Spectrophotometer

PC controlled UV-Visible Spectrophotometer with the following specifications

- | | |
|--------------------------------|---|
| 1. Wave Length Range: | 190 – 900 |
| 2. Grating: | 1200 lines/mm |
| 3. Spectral Band Width: | 0.5 to 4nm |
| 4. Resolution: | 0.2 or better |
| 5. Stray light at 220nm: | 0.01 or better |
| 6. Wave length accuracy: | ± 0.3 nm |
| 7. Wavelength reproducibility: | 0.008 nm |
| 8. Scan Rate: | 3000 nm/min |
| 9. Photometric accuracy: | ± 0.001 A |
| 10. Cuvettes: | 3 ml, 1ml (1 each) |
| 11. Detector: | Photo Multiplier Tube (PMT) |
| 12. PC & Printer: | PC Pentium IV, 2.4GHz, 512MB RAM,
100 GB HDD, DVD-R/W, 1.44" Floppy drive, |

17" SVGA color monitor, 2 serial and one
Parallel ports, Multimedia kit.
HP Laserjet Printer.