

**Fragrance and Flavour Development Centre, (FFDC)**  
**(A Govt. of India Society), Ministry of MSME,**  
**KANNAUJ**

**NOTICE INVITING TENDER**

The Principal Director, FFDC, Kanauj invites on behalf of FFDC sealed tender from eligible and reputed suppliers of UV visible Spectrophotometer under DBT Project for the supply and installation at FFDC, Kanauj. The detail is given below:

**Detail specification of PC Controlled UV Visible Spectrophotometer**

<b>Photometric System –</b>	<b>Double Beam</b>
Measuring range	: 190 – 1100 nm
Monochromator	: 1200 lines/mm concave holographic grating
Spectral Bandwidth	: 1.0 nm
Wavelength readability	: 0.1 nm increment
Wavelength accuracy	: $\pm 0.1$ nm
Wavelength reproducibility	: $\pm 0.1$ nm or less
Wavelength scanning speed	: 1 nm to 4,000 nm/min.
Light source selection	: Automatic, according to set wavelengths (Changeover wavelength between 295 – 400 nm)
Stray light	: Less than 0.01% T at 220 nm, NaI
Baseline correction	: Automatic
Photometric range	: -0.3 □ 3.0 Abs
Photometric accuracy	: $\pm 0.001A$
Photometric reproducibility	: $< 0.001A$
Spectrum Processing	: On line spectrum plotting Spectrum overlay up to 99 spectra Spectrum saving / retrieving facility to / from hard disk Spectrum Manipulations include addition, subtraction, Multiplication and Division between any two-channel spectra Zoom function Derivative (1 <sup>st</sup> – 4 <sup>th</sup> ) Smoothing Cursors edit functions Export of data in Excel or Text form.
Cuvettes	: one and one extra (Two)
Light source	: Duterium and tungsten (with 5 yrs guaranteed)
Kinetics	: Abs. (Abs / min) during the above period is obtained by the least Square method using up to 20 points.
UPS	: On-line UPS-4 KVA,
PC	: (2 <sup>nd</sup> Gen. Intel Core i5, 7 GB Memory, 1TB HD) and one external 1TB HDD USB Networking duplex Laser Printer (Min. 600x600 dpi)
Support & Training	: Training of minimum two persons at FFDC premises
Warranty:	On site warranty for 3 years

1. Name of the job: Supply & installation of PC Controlled UV Visible Spectrophotometer
2. Tender detail available: FFDC website
2. Earnest Money: 1% of bid amount (DD in favour of Principal Director, FFDC, Kannauj)
3. Cost of Tender: Rs. 500/- (DD in favour of Principal Director, FFDC, Kannauj) Non-refundable
4. Supply and installation period: 20 days
5. Last date for submission of tender: 25.07.2012: Time 3.00 PM
6. Interested applicants shall furnish the following documents:
  - (a) DD of Earnest money:
  - (b) DD of Tender cost:
  - (c) Copy of Latest ITCC
  - (d) Technical bid
  - (e) Financial bid

The tender document must be submitted in main sealed cover addressed to the Principal Director, Fragrance and Flavour Development Centre, Industrial Area, G.T. Road, Makarand Nagar, KANNAUJ-209726, Tel. 05694-234791/ 234465, Fax. 05694 235242 indicating technical and financial bid of UV visible spectrophotometer on main envelop.