

**Corrigendum**

**SPECIFICATIONS OF FLUORESCENCE SPECTROPHOTOMETER**

Due to Typographical error in the specification of FLUORESCENCE SPECTROPHOTOMETER. Please find below mentioned specifications for the above said equipment.

Procurement Coordinator

## Annexure I

Sr. No	Item Name	Specifications
1	FLUORESCENCE SPECTROPHOTOMETER	<p><b>SPECIFICATION</b></p> <p>A. The fluorescence spectrophotometer should be Computer controlled. It should be able to measure fluorescence, phosphorescence and luminescence.</p> <p>B. It should be highly sensitive. Signal to noise ratio should be 800:1 (RMS value) or higher for Raman band of water (excitation wavelength 350 nm band pass 10 nm, response 2s).</p> <p>C. Minimum sample volume required for measurement should be 0.6 ml or lower for a standard 10 mm rectangular cell.</p> <p>D. It should have 150 W Xenon lamp as a light source.</p> <p>E. It should have stigmatic Concave Diffraction Grating on both excitation and emission sides.</p> <p>F. Wavelength range should be 200 to 900 nm (or better) on both excitation and emission side.</p> <p>G. Spectral band pass should be variable from 1 to 10 nm on excitation side and 1 to 20 nm on emission side.</p> <p>H. Wavelength resolution should be 1.0 nm or better.</p> <p>I. Wavelength accuracy should be +/- 2 nm or better.</p> <p>J. Wavelength scanning speed should be variable from 30 to 30000 nm/ min with the maximum drive speed &gt; 50000 nm/min</p> <p>K. Should have features like 3-dimesional measurement, wavelength scan, time scan, photometry, phosphorescence life time, luminescence measurement, etc.</p> <p>L. Optics should be all reflective for focusing at all</p>

wavelengths and precise imaging for micro samples.

Accessories -

a. Thermo stated cell holder for covering a temperature range from 5 to 60 C or better.

b. Separate cell holder for measuring absorbance/transmittance

c. 10 mm path length cell (2pcs).

D .Latest configuration PC with Laser Printer.

e. Solid Sample Holder Designed for viewing front-face fluorescence of thin films, powders, pellets, paper, fibres or microscopic , slides.

Computer Processor: Intel core i3 or better, RAM 4GB or better, HDD: 500 GB or better. The system should be complete in all respects to make it operational. It should be supplied with instruction manuals, pre-loaded software, necessary cables, power extensions and other required accessories.

Warranty should be for two years and annual maintenance contract for 3 years post warranty period

