

Annexure-V

Compliance report

(I) Name of Instrument : Ultraviolet-visible Absorption Spectrometer

Sr. No.	Specification of e-Tender	Specification of Bidder/Vendor	Deviation (Yes/No)	Remarks
1	<p>Specifications for Ultraviolet-visible Absorption Spectrometer</p> <ul style="list-style-type: none"> • The operative range of the instrument should be 190-1100 nm or better with full PC controlled and compatible with Windows XP or Windows 7/ Windows 8 and 10. • The instrument should be true double beam with solid state detectors (with grating 1000/1200 lines/mm). • The spectral bandwidth should be either 1 nm or 2 nm or better. • The source should be Deuterium, Tungsten lamp or Xenon flash Lamps (Pre-aligned) with selectable switching facility. The lamp should be able to switch off if not required. • Stray light should be less than 0.05 % T or better. • The wavelength accuracy should be $\pm 0.2nm$ or better. The repeatability should be $\pm 0.2nm$ or better • Photometric noise of the instrument should be 0.00005 Abs or better at 1nm slit. • The system should contain automatic baseline correction, source and cell optimization facility. • The standard cell holder should have the height adjustment facility for low volume samples. 			

	<ul style="list-style-type: none"> • The spectrophotometer should have capability to upgrade for advanced transmission sample holder to hold materials such as glass, polymers, and films, providing a positive locating point for the sample that can be adjusted to accommodate a range of sizes and thicknesses. • PC monitor along with branded printer and scanner should be provided with spectrometer. • Spectrometer should have warranty for 3 years from the date of supply. • The light source should have 3 years warranty. • Single Cell Peltier System with integrated control temperature and in-cuvette stirring must be quoted with spectrometer. Temperature range should be from 0 °C to 110 °C or better. • Another accessories like quartz cuvettes- A set of 2, Glass cuvettes- A set of 4 pairs, dust cover, operation manual, software manual, mains lead, USB lead for PC interface should be provided. • All the required parts for proper running the UV-visible spectrometer system like power cord, computer and computer interface, branded printer with scanner, software, quartz cell etc should be included with system. • Supplier should provide the user list for the same instrument from IITs and IISER. • The bidder must provide compliance point by point with technical proof. • The bidder organization must have ISO certification and also provide the documentary proof. 			
--	--	--	--	--

()
Name and authorized signature

Seal: