



IITBh/Goods/Chem/2019-20/167

Date: 13.12.2019

CORRIGENDUM-1

It is notified to all concerned parties that with reference to our Tender No. IITBh/Goods/Chem/2019-20/167 dated 03.12.2019 for the “Supply and Installation of UV-VIS-NIR Spectrometer (PL) at IIT Bhilai” the following changes have been made in the tender document:

Technical Specifications of UV-VIS-NIR Spectrometer				
S. No.	Page No./Section Features/ (Clause)	Existing		Modification/ Correction
		Features	Detailed specification of the features	
1.	Page-15 S.No-2	Light source (steady state)	Light source (steady state): Xe lamp. 450 W intense broadband cw Xe lamp for excitation from UV to near IR. Enhanced light collection and focusing for maximum efficiency at all wavelengths. Superior optical design to aberration corrected lenses to eliminate Chromatic aberration maximally.	Light source (steady state): Xe lamp. 450 W intense broadband cw Xe lamp for excitation from UV to near IR. Enhanced light collection and focusing for maximum efficiency at all wavelengths. Superior optical design to aberration corrected lenses/mirrors to eliminate Chromatic aberration maximally.
2.	Page-15 S.No-3	Excitation double Monochromator	Czerny-Turner type, 300 nm blazed Wavelength range: 185-1550 nm; band-pass: continuously adjustable 0-20nm, Wavelength resolution:0.05 nm or lower. Sensitivity: 6000: 1 or more.	Czerny-Turner type, 300 nm blazed wavelength range:185-1000 nm; band-pass: continuously adjustable 0-15 nm or better, Wavelength resolution:0.05 nm or lower. Sensitivity 6000:1 or more.
3.	Page-16 S.No-7(7.4)	Integrating Sphere	Sphere size (6inches, minimum), For measuring luminescence quantum yields of various solids, liquids, powders, thin films. Software	Sphere size (3 inches or better), For measuring luminescence quantum yields of various solids, liquids, powders, thin films. Software provision for calculation of quantum efficiency and

			provision for calculation of quantum efficiency and Chromaticity is needed. Sample holders, Other optical components and NIST Calibration Standards for this should be included.	Chromaticity is needed. Sample holders, Other optical components and calibration standards for this should be included.
4.	Page-16 S.No-8	Liquid Sample chamber: Standard single Cell holder	Liquid Sample chamber: Standard single cell holder. Thermostatted single cell holder equipped with magnetic stirring option. Equipped with Peltier based temperature controlled device: to chamber temperature ranging -10°C -110°C with accuracy +/-1.0 °C or better with all related accessories. Equipped to purge the sample chamber with nitrogen. Injector port which allows small volume via micropipette to sample without removing sample chamber lid.	Liquid Sample chamber: Standard single cell holder. Thermostatted single cell holder equipped with magnetic stirring option. Equipped with Peltier based temperature controlled device: to chamber temperature ranging from -10°C to 105°C with accuracy +/-1.0 °C or better with all related accessories. Equipped to purge the sample chamber with nitrogen. Injector port which allows small volume via micropipette to sample without removing sample chamber lid.
5.	Page-17 S.No-15	Optional: Bandpass filters	Bandpass filters: 10 nm bandpass filters; peak transmittance wavelength covering the region 280 nm to 650 nm.	Bandpass filters: 10 nm bandpass filters; peak transmittance wavelength of 295 nm, 340 nm, 410 nm, 450 nm, 510 nm and 650 nm.
6.	Page-17 S.No-16	Optional: NOTCH filters	NOTCH filters and Neutral density filters.	NOTCH filters (405 nm ,490 nm and 515 nm) and Neutral density filters (Atleast 07 quantity).

All other terms and conditions mentioned in the Notice Inviting Tender shall remain unchanged.


Deputy Registrar
 Administration