

25/10/2023

ADDENDUM - 03

Tender no.2023-24/03

GeM Bid No. GEM/2023/B/4019295: UV - Vis - Nir Spectrophotometer

Sr. No	Specification	Tender Specifications (Range / Value)	Amended as
4	Detectors	PMT, InGaAs and Cooled PbS: All three detectors	PMT, Pbs and or InGaS.
8	Wavelength scanning speed	Instrument should have variable wavelength scan rate from 4000 to 0.5 nm/min (UV-Vis) and 9000 nm/min (NIR) with automatic selection	Wavelength scanning speed: Instrument have variable wavelength scan rate min 2000 (UV-Vis) and max. 8000 nm/min or better (NIR) with automatic selection.
9	Spectral band width	UV/VIS: 0.1 -8 nm or higher	UV/VIS: 0.1 -5 nm or broader
		NIR: 0.2 - 32 nm or higher	NIR: 0.2 - 20 nm or broader
10	Stray light	0.00007 % T or less (340 nm, NaNO ₂)	0.00007 % T or less (340/370 nm, NaNO ₂)
11	Photometric range	Absorbance = -6 to 6 Abs or better.	Photometric range of 8 Abs or better
		Transmittance & reflectance 0 to 80000% or better.	Transmittance and reflectance -0 to 100% or better
12	Photometric Accuracy	Instrument should have photometric accuracy of ± 0.003 Abs (at 1 Abs), ± 0.002 Abs (at 0.5 Abs) or better/ ± 0.007 Abs (at 2 Abs) or better	Instrument should have photometric accuracy of 0.002 Abs at 0.3/0.5Abs
14	Baseline Flatness	± 0.001 Abs (200 - 3000 nm) ± 0.005 Abs (3000 - 3300 nm)	0.001 Abs (200-3000nm) or higher



	Accessories to be quoted and supplied along with machine / equipment	
	F. Desktop: suitable branded PC with i5 processor with 8 GB RAM, Hard Disk 1 TB, 17 inch monitor and color printer (Ink Tank) with Scanner, Anti –virus software or better configuration	F. Desktop: suitable branded PC with i5 processor with 8 GB RAM, Hard Disk 1 TB, 21 inch monitor and color printer (Ink Tank) with Scanner, Anti –virus software or better configuration



Principal Director (T)

