



Notice Inviting e-Tender

West Bengal Medical Services Corporation Limited
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Procurement, supply and installation of Hi Tech Analytical Instruments for State Drugs
Control & Research Laboratory (SDCRL) of the Government of West Bengal
(Submission of Bid through *online*)

Bid Reference No.: WBMSCL/NIT-101 /2025

Dated-06.02.2025

The following amendment have been made in the tender document,

Amendment –I (Revision of Technical Specification)

The revised technical specifications for the item is given below,

Double beam UV VIS Spectrophotometer with following Technical specifications: PC based True double beam UV-Visible Spectrophotometer

1. Optical system	Czerny- Turner mounting, Single monochromator, Double- beam system
2. Detector	Photomultiplier
3. Wavelength range	185 to 900 nm which can be extended upto 1400 nm with an Integrating Sphere attachment having dual detector
4. Wavelength accuracy	± 0.1 nm (656.1 nm)
5. Wavelength repeatability:	± 0.05 nm
6. Spectral bandwidth	0.1, 0.2, 0.5, 1, 2, 5 nm in steps
7. Resolution	0.1 nm
8. Stray light	Max. 0.005 %T (220 nm NaI)
9. Mode	Abs, %T, %R
10. Photometric range	-5 to 5 Abs
11. Photometric Accuracy	± 0.002 Abs (0.5 Abs)

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| 12. Photometric Repeatability: | ± 0.001 Abs or less (0.5 Abs) |
| 13. Noise level | 0.00003 Abs or less (500 nm) |
| 14. Wavelength slew rate | 14000 nm/min |
| 15. Wavelength scan rate | 4000 to 0.5 nm/min |
| 16. Light Source | high intensity Halogen and Deuterium lamp with light source auto position adjustment built in |
| 17. Baseline stability | 0.0002 Abs/hr or less (700 nm, 1 hour after light source is turned ON) |
| 18. Baseline flatness | ± 0.0003 Abs (200 to 860 nm, 1 hour after light source is turned ON) |
| 19. 3.5 ml volume of 10 mm path length Quartz cuvettes- | 1 Pair |

Below Attachment must be quoted along with the main system

a) Integrating Sphere Attachment

- Wavelength range: 220 nm to 1400 nm
 - Diffuse and Specular Reflectance measurements are possible
 - Samples like Powder, Solid, colloidal sample, Thin Film etc are measured by using this accessory
 - The Integrating Sphere should be equipped with two detectors: a photomultiplier tube and an InGaAs detector
 - Minimum Inner diameter of integrating sphere: 60 mm
- b) Branded is PC with original Windows 10 Professional
- c) Online 1 KV A UPS with 30 minutes back up

System must be under 3 Years warranty from the date of installation.