



SAVITRIBAI PHULE PUNE UNIVERSITY
DEPARTMENT OF PHYSICS

Ref. No./Quot./PHY/DEPT 600/NBC/44

Date: 15/02/2021

Name of the Administration

Branch/Department:

Quotations are invited for the supply of following goods/carrying out the work, so as to reach this office on or before

20/02/2021

Sr. No.	Description of Material/Item/work	Approximate Quantity	Rate Per unit	Amount (Rs.)	Remark
1.	UV-VIS-NIR Spectrophotometer				

1. Octroi Exemption Certificate will be issue for the goods supplied from the places outside Pune Municipal Corporation Limits.
2. Excise duty, Custom duty Exemption Certificate will be issued if applicable.

Note: For other terms and conditions see overleaf.

Dame
Head, Department of Physics

Head
Administrative Branch
Savitribai Phule Pune University
Pune - 411 007
Pune - 411 007.

Signature
(Supplier)
(With Stamp)

Specification for UV/VIS/NIR Dual beam Spectrophotometer

Specification-

Light Source	: Suitable light source for UV-Vis-NIR regions,
Wavelength Range	: At least 200 to 2500 nm
Wavelength Accuracy	: ± 0.1 to ± 2 nm
Wavelength repeatability	: ± 0.05 nm to ± 0.5 nm
Spectral bandwidth	: 0.1 to 2 nm (UV-Vis) and 0.4 to 20 nm (NIR)
Stray light	: Not more than 1 %
Speed	: Wavelength slew rate : 15000 to 50000 nm/min Wavelength scan rate: about 5 to 5000 nm/min
Monochromator	: Suitable single Monochromator

Integrating Sphere attachment, powder and thin film sample holders

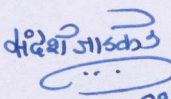
Measurement modes, Quantitative Analysis

Wavelength scan (Abs, %T, %R, Sample, Reference), Time scan (Abs, %T, %R, Sample, Reference), Fixed wavelength (at least up to 8 wavelengths)

Data processing:

Normalization, Baseline correction, point pick, peak/valley detection, area calculation; 1st – 4th derivatives, smoothing, reciprocal, square root, natural log. Abs, %T conversion, exponential conversion, and Kubelka-Munk conversion; Ensemble averaging, interpolation, four arithmetic operations, Vertical axis conversion, Horizontal axis conversion

Done


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