



**SAVITRIBAI PHULE PUNE UNIVERSITY
DEPARTMENT OF PHYSICS**

Ref. No./Quot./PHY/ NBC/01

Date: 20/04/2016

Name of the Administration

Branch/Department: PHYSICS

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

12 / 05 / 2016

Sr. No.	Description of Material/Item/work	Approximate Quantity	Rate Per unit	Amount (Rs.)	Remark
1	UV-VIS Spectrophotometer For detail specifications, kindly see the attached sheet.	01			

- Save
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.

Head, Department of Physics

Administrative Branch

Savitribai Phule Pune University

Pune - 411 007.

Head
Department of physics
Savitribai Phule Pune University
Formerly University of Pune
Pune - 411 007

Signature

(Supplier)

(With Stamp)

e-office/stores/Department of Physics



UV/VIS/NIR Dual beam Spectrophotometer with single monochromator

Specifications-

Light Source	: Deuterium Lamp & Halogen Lamp
Wavelength Range	: 190 to 3300 nm
Wavelength Accuracy	: Minimum ± 0.3 nm
Stray Light	: minimum 0.005% (NaI)
Speed	: Wavelength slew rate : 14000 nm/min Wavelength scan rate : about 4000 to 0.5 nm/min
Monochromator	: Single Monochromator

Integrating Sphere attachment, powder and thin film sample holders

Inside dia. of integrated sphere	: 60 mm
Incident angle to the reflection surface	: θ , approx. 5°
Wavelength range	: 200 – 2500 nm

Measurement modes, Quantitative Analysis:

Wavelength scan (Abs, %T, %R, Sample, Reference), Time scan (Abs, %T, %R, Sample, Reference), fixed wavelength (Up to 8 wavelengths), Abs/%T Monitor

Data processing:

Normalization, baseline correction, point pick, peak/valley detection, area calculation; 1^{st} – 4^{th} 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.

Dave

Gargol
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