

**Department of Biochemical Engineering and Biotechnology
Indian Institute of Technology Delhi
Hauz Khas New Delhi 110 016**

IITD/DBEB/SM/2013

Feb 4, 2013

NIQ for the purchase of a UV/visible Spectrophotometer with the following Technical Specification for applications in biochemistry, molecular biology and cell biology

Essential Features:

Absorption Double-beam sealed, quartz coated, lens free system
Light Source: Deuterium and tungsten-halogen lamps with automatic switch over, Deuterium lamp should turn off when not needed.
Wavelength range: 200 nm to 1100 nm (minimum)
Stray radiation/Light: Min 0.01%T
Wavelength accuracy: Minimum +/- 0.1 nm
Wavelength reproducibility: Minimum +/- 0.06 nm
Wavelength increment: 1 nm
Bandwidth: Min 4 steps (0.6 to 4 nm or better).
Standard software: Scan, Time drive, Wavelength programming, Conc, Kinetics, Oligoquant, Arithmetic etc should be included.
Interfaces: USB master for USB stick
RS-232 for printer

Disposable cuvettes for 300 samples should be quoted with the instrument System should be up gradable for measurement with $\geq 1.5 \mu\text{L}$ of the sample without dilution.

1 set of quartz's cuvette should be provided with instrument.

Optional accessories: Peltier control system
Compatible PC with latest features
One additional set of Quartz cuvette
2 kV UPS.

All the features mentioned should be supported by printed and authentic literature.

Terms and Conditions:

1. **Technical and financial bids** should be in **separate sealed envelope** and Super scribed by NIQ number, Item and last date of submission.
2. Sealed quotations should be addressed in the Name of **Prof. Saroj Mishra** and should reach the Department of Biochemical Engineering and Biotechnology, Indian Institute of Technology Delhi, Hauz Khas. New Delhi-110016 by **February 15, 2013**.
3. The prices should be quoted at FOB and also CIP New Delhi
4. Propriety and agency certificate will be required wherever applicable.

- 5 Institute reserve the right to accept or reject any or all the quotation without showing any reasoning.
- 6 Comprehensive Warranty for 3 Years