

राष्ट्रीय प्रौद्योगिकी संस्थान मणिपुर NATIONAL INSTITUTE OF TECHNOLOGY MANIPUR

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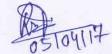
No. NITM.1/(223-Estt)/SERB/Extra-Mural/2017- /43/	*	Date: 05.04.2017
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Subject: Enquiry for supply of Double Beam UV VIS Spectrophotometer for EMR-SERB project at Deptt. of Physics, NIT Manipur

Sir,

Please provide sealed rate quotation for supply of the following items:

SI.	Item	Qty (Nos.)
	Double Beam UV VIS Spectrophotometer	
141	Specification:	
	Microprocessor based UV-VIS Spectrophotometer with high resolution	
	LCD display and dedicated soft keypad, for operation on 220V / 50Hz.	
	Stand-alone operation or complete control through PC with PC software supplied as standard	
	True double beam optics with aberration corrected concave blazed	
	holographic grating in Czerny - Turner mounting for high energy	
	throughput and high quality monochromatic light	
	■ Wide wavelength range of 1,100 nm to 190 nm	
	High resolution 1 nm spectral bandwidth over entire wavelength range	
	Wavelength setting and display in steps of 0.1nm	
	■ Wavelength accuracy of ± 0.1 nm for D ₂ spectral line	
	■ Wavelength reproducibility of ± 0.1nm	
	 Variable wavelength scanning speed of 3,000 nm/min to 2 nm/min 	
	Ultra low stray light of <0.02%T at 220nm with Nal filter	
1	• Wide Photometric range of -4 to +4 Abs and 0 to 400 %T	10
	■ High Photometric Accuracy of ± 0.002 Abs at 0.5 Abs	
	■ High Photometric Repeatability of <±0.001 Abs at 0.5 Abs	
	Very low baseline drift of 0.0003 Abs/hour	
	High baseline flatness of ±0.0006 Abs over entire wavelength	
	 Ultra low Photometric noise of <0.00005 Abs 	
	 Dual source – high intensity Tungsten-Halogen and Deuterium lamp with automatic changeover 	
	High sensitivity matched pair Silicon Photodiode detector	
	• 5 USB ports for high speed PC and printer connectivity, data storage and transfer through USB pen drive	
	Guaranteed compliance with all Pharmacopoeial requirements	
	Built in validation program, diagnostic and security functions	
	All operational modes as standard - Photometric; Spectrum; Quantitation;	
	Kinetics, Time Scan, DNA and Protein Quantitation in standalone and PC	
	mode. Additionally Multi-Component measurement available in stand-alone mode.	



- Large sample compartment compatible with wide range of accessories
- Compatible PC and offline UPS are to be offered
- Must supply one pair of 10mm path length Quartz Cuvettes with the system as standard supply.
- Constant Temp Cell Holder

Maintains a sample cell and reference cell at a desired, uniform temperature, by circulating constant-temperature water; **Temperature range:** 5°C to 90°C

- I. Cell holder: Accepts a pair of 10-mm square cells
- 11. Connecting joint outer diameter: 6 mm and 9 mm (two levels)
- Water bath is to be offered.
- Warranty must be 12 months from the date of installation

Service

Installation Service Required Technical Support

Yours sincerely,

(R.K. Lalit Singh) Registrar, NIT Manipur

Terms & Conditions:

- 1. Quotation should reach Registrar, NIT Manipur, Langol on 26.04.2017 at 3:00 P.M.
- 2. The envelope should be superscribed as "Quotation for supply of Double Beam UV VIS Spectrophotometer for EMR-SERB project at Deptt. of Physics, NIT Manipur"
- 3. Prices must be inclusive of taxes.
- 4. Prices must be F.O.R NIT Manipur Stores, Langol, Imphal.

Copy to:

- 1. Member, Purchase Committee
- 2. Technical Officer, NIT Manipur for uploading in the website
- 3. CF/GF