

UNIVERSITY OF NORTH BENGAL

OFFICE OF THE REGISTRAR



ENLIGHTENMENT TO PERFECTION

Quotations are invited for one Agilent Cary 60 UV-Vis Spectrophotometer. Vendors may browse university website www.nbu.ac.in for details.

Advt. No. 27/ R-2016 Dated: 19.07.2016

Registrar (Offg.)



UNIVERSITY OF NORTH BENGAL

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Registrar (Offg.)

Ref. No T.Sc./A-23/16-17/285

Date: 14/07/2016

NOTICE

(As per G.O. No. 5400-F(Y). Dated 25.06.2012)

One Agilent Cary 60 UV – Vis Spectrophotometer with following specification will be purchased by the Department of Tea Science, University of North Bengal. Interested suppliers may submit sealed quotations with VAT, CST, PAN details in an open envelope to the said office within 10 business days from the date of publication of the notice.

System specification

Agilent Cary 60 UV – Vis Spectrophotometer

Quantity: One

Stray light	At 198 nm (12 g/L KCL, TGA & BP / EP method) \leq 0.187 % T At 220 nm (10g/L NaI ASTM method) \leq 0.018 %T At 370 nm (50mg / L NaNO ₂) \leq 0.008%T
Wave length range	190-1100 nm
Wave length accuracy	\pm 0.06 at 541.94 nm
Wave length reproducibility	\pm 0.01 nm
Photometric accuracy	Using NIST 930E ft lters at 1 Abs \pm 0.0007 Abs
Photometric range	\pm 4.0 Abs
Photometric display	\pm 9.9999 Abs, \pm 200.00 % T
Photometric reproducibility (Abs)	Using NIST 930E ft lters, at 465 nm, 2 s SAT Maximum deviation at 1 Abs < 0.004 Abs Standard deviation for 10 measurements < 0.00050 Abs Using NIST 930 E ft lters, at 546.1nm, 2 s SAT Maximum deviation at 0.5 Abs < 0.003 Abs
Photometric stability	500 nm, 10 s SAT, after 30 min warmup < 0.0004 Abs/h
Photometric noise	500 nm, 1 s SAT At 0 Abs < 0.00002 Abs
Baseline Flatness	200 to 850 nm, baseline corrected 0.0004 Abs
Compartment size (width x depth x height)	130 x 523 x 123 mm (5.2 x 20.6 x 4.8 in)
Sample compartment access	Top to front
Instrument weight	
Instrument electrical requirements	
Spectral bandwidth	Fixed at 1.5 nm (approximately)
Scan rate	24,000nm / min or higher

Data interval	0.15 – 5.0 nm
Repetitive scanning	4800 data points per minute, maximum number of cycles: 999, maximum cycle time (min) : 9999
Data collection rate	80 data points / second or higher
Minimum sample volume	0.5 µL
Support and training	Agilent is renowned for providing expert applications and service support. Full 12-month warranty support. Support and training should be given on the spot.

Terms & Conditions

1. The Vendor (s) should provided the self – attested copies of VAT, CST < PAN etc failing which the quotation would not be considered.
2. Quotation should be valid for the at least three months
3. Delivery should be made within two weeks after issuing the supply orders.
4. Warranty shall be provided for a minimum period of one year from the date of installation.
5. Installation and demonstration at the University campus should be given free.
6. The University authority reserves the right to accept or reject any / all quotation (s) without assigning any reason and shall not be bound to accept the lowest quotation.

Quotation may be addressed to:

Dr. Arnad Sen,

Head, Department of Tea Science,

University of North Bengal

Sd/-

[Registrar]