



UNIVERSITY OF NORTH BENGAL
OFFICE OF THE REGISTRAR
Accredited by NAAC with Grade A

ENLIGHTENMENT TO PERFECTION

TENDER NOTICE

Sealed quotations are invited from the bonafide manufactures/suppliers for supply of Hitachi make Spectrophotometer (Model No: U 5100) in Bioinformatics Facility, Department of Botany, N.B.U. For specification, terms and conditions and other details please visit www.nbu.ac.in.

Advt. No. 178/R2019 Date: 28.12.2019

Registrar



ENLIGHTENMENT
TO PERFECTION

UNIVERSITY OF NORTH BENGAL

P.O.- North Bengal University; Raja Rammohunpur, Dist: Darjeeling; West Bengal, India, Pin-734013
Phone: (0353)2699-008; Fax: (0353) 2776-313; e-mail: regnbu@sancharnet.in

Visit us at:



www.nbu.ac.in

NOTICE

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

The following item will be purchased by the Bioinformatics Facility, Department of Botany, University of North Bengal. Interested suppliers may submit sealed quotations with GST, VAT, CST, PAN details in an open envelope to the said office within 7 business days from the date of publication of the notice.

System specification:

Model: Hitachi Make Spectrophotometer U 5100

Optics	Seya-Namioka mount monochromator,
Wavelength range	190 to 1,100 nm
Concave diffraction grating	Grooves 600/mm
Stray light	0.07% or less
Wavelength accuracy	± 1 nm (484.6 nm)
Wavelength setting repeatability	±0.5 nm
Photometric range	Abs:- 3.000 to 3.000 Abs 0 to 300% T Conc. 0.000 to 9.999
Photometric accuracy	±0.003 Abs (0 to 0.5 Abs) (certified according ±0.005 Abs (0 to 1.0 Abs) to NIST SRM 930)
Photometric repeatability	±0.002Abs (0 to 1.0Abs) (certified according to ±0.002Abs (0.5 to 1.0Abs) NIST SRM 930) ±0.15%T
Wavelength Scan speed	40,100,200,400,800,1200,2400 nm/min
Baseline stability	±0.0007 Abs/h (260nm, 2hours after power-on)
Noise level	0.0002 Abs or less (RMS, 260nm, 0 Abs)
Baseline flatness	±0.01 Abs (200 to 950nm)
Light source	Life time Xenon (Xe) flash lamp
Detector	Dual Silicon photodiode
Display	LED with backlight 120m x 90mm 320 dot x 240 dot
Cell	6 cell turret (Automatic) (Single cell holder is optional)
Operating temperature	15 to 35 degree C
Operating Humidity	25 to 80%(condensation unallowable, within 70% at 30 degree C or higher)
Power supply/ Power consumption	100,115,220,230,240V 50/60Hz 60VA
Cuvette	1 pair, 1 ml capacity, Made in Japan, should be provided free of charge.

Sd/-
[Registrar]

The quotation may be addressed to:

Prof. Arnab Sen
Coordinator
Bioinformatics Facility
Department of Botany
University of North Bengal
Siliguri 734013