



UNIVERSITY OF CALCUTTA

QUOTATION NOTICE

Ref. No. INSPIRE/03/001

Date: 15.02.2018

Quotations for the following Item are invited from the authorized parties for supplying the undernoted item for the DST funded project (DST/INSPIRE/04/2014/000217 dated 31.10.2014) under Dr. Sudipta Bhowmik (PI), Dept. of Biophysics, Molecular Biology and Bioinformatics, University of Calcutta, 92, Acharya Prafulla Chandra Road, Kolkata - 700009. Suppliers are hereby requested to submit their Quotation including the current Trade License, Service Tax, Registration Certificate, PAN No, Copy of Registration Certificate with Statutory Authorities and other credentials with 10 days from the publication of this notice in a sealed envelope addressed to the undersigned. The authority reserves the right to accept/reject any quotation without showing any reason thereof.

Item:

1. Fluorescence Spectrophotometer with polarizer and water-jacketed cell holder

Specifications:

- 1) Two operations modes: fluorescence intensity & luminous intensity.
- 2) 10 stages emission spectrum scanings
- 3) Should support off-line & on-line modes.
- 4) Fluorescence display value: 0.00-600.00 nm (atleast)
- 5) Light source: Xenon lamp
- 6) Emission Monochromator: C-T diffraction grating (Em 200-900 nm, bandwidth 10 nm)
- 7) Wavelength Accuracy: ± 1 nm

- 8) Wavelength Repeatability: $\leq 0.5\text{nm}$
- 9) Sensitivity: Raman peak of water in 1 cm quartz fluorescence cuvette with $S/N \geq 150$
- 10) Linear measurement(r): $\geq 0.995(r)$
- 11) Stability: better than 1.5%/10min
- 12) High speed low S/N scanning
- 13) Fluorescence polarizer accessories for steady state anisotropy measurements
- 14) Water-jacketed cell holder accessory for thermal melting measurements
- 15) Computer containing RS232 port and fluorescence software package compatible with the fluorescence spectrophotometer.
- 16) Door delivery of the instrument including everything.

Sudipta Bhowmik

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