



तेजपुर विश्वविद्यालय / TEZPUR UNIVERSITY
(संसद के अधिनियम द्वारा स्थापित केंद्रीय विश्वविद्यालय)
(A Central University established by an Act of Parliament)
कुल सचिव का कार्यालय/ OFFICE OF THE REGISTRAR
नपाम :: तेजपुर - 784028 :: असम
NAPAAM :: TEZPUR - 784028 :: ASSAM

NOTICE INVITING QUOTATION

TU/11-24/Pur/Qtn/2018-19/.1871..A Dated: 07.08.2018

Sealed quotations are invited from reputed manufacturers/authorized dealers/vendors for supply, installation & commissioning etc. of following items required for the UGC-SAP DRS-II, Department of Physics, Tezpur University. Quotation should be submitted in the DROP BOX placed in the reception of the Administrative Building of the University within **3.00 PM of 07.09.2018**. If posted/couriered, should reach within the specified time and date addressed to "The Assistant Registrar-GA, Tezpur University". The Quotation Notice No. and date should be clearly superscribed in the the envelope/packet containing the quotation. The Quotations received will be opened on the **07.09.2018 at 4.00 PM**. The quotationer(s) or their authorised representative(s) may be present while opening the quotations.

LIST OF EQUIPMENT WITH SPECIFICATIONS

Sl. No.	Instrument	Specifications	Range/Details
1	Time Resolved Photoluminescence Spectrophotometer (TRPL)	<ul style="list-style-type: none">- Fully computer controlled steady state and time resolved photoluminescence set-up- The instrument should be capable of measuring fluorescence of liquid/solid sample as a function of time- The lifetime from picosecond to nanoseconds using time correlated single photon counting (TCSPC) system- Optional facility for low temperature measurements.	
		Time range	0.1ns to 100 μ s (fluorescence and phosphorescence)
		Resolution	< 0.5 ps
		Excitation Source LASER/ LED;	1. Pulse width < 1ns 2. UV (300-400 nm), visible (500-700 nm)
		Optics and Spectral Range	All refractive. 200 ~700 nm
		Bandpass	\leq 30nm; continuously adjustable
		Excitation Range	200-950 nm optimized in UV with automatic filter for second order removal
		Wavelength accuracy	> \pm 0.5 nm
		Scan speed	100 ~150 nm/s
		Sensitivity (signal to Noise Ratio)	> 10000:1 (FSD method)
		Emission Detector	Spectral range: 300-1100 nm with single photon counting photomultiplier
		Reference Detector	Calibrated Silicon photodiode
		Software <ul style="list-style-type: none">- Windows based Fluorescence software- simplified drop-down menus for operation-Detector algebra to customize data acquisition-Polarization control, automatic calculation for anisotropy study-Chromaticity/color coordinates calculation	

