



Memo No: AC/176/18-19

Date: 14/08/2018

TENDER NOTICE

Sealed quotations for a Microwave-Ultraviolet-Ultrasonic Synthesis system i.e. Microwave Reactor is invited from the reputed vendors / marketing agents/ service agents/ dealers for equipment of Chemistry Laboratory at Academic Building (1st Floor), School of Sciences (SoSci) at Kalyani Regional Centre of the University, subject to the following terms and conditions. The rate should be quoted including GST. Indicate detailed specification for the instrument and all accessories with the quotation.

Last date for submission: 24/08/2018 up to 4 PM.

Place of Submission: Finance Department, 4th Floor, Netaji Subhas Open University DD-26, Sector-I, Salt Lake, Kolkata -700064

Any query regarding details of instrument contact:	The Office, School of Sciences, Kalyani Regional Centre, Near Ghoshpara Railway Station, Kalyani, Nadia-741235
Contact No:	7278530993 / 9433151129
Copies of Documents to be submitted:	Instrument's catalogue copy, GST No., PAN, TAN, Trade Licence, P.Tax , authorization of dealership
Total of Amount of the sum of all items would only be taken into consideration to have LOWEST QUOTATION	

Format for Submission of Quotation

Sl No.	Instrument	Important details of the items	Qty	Rate (Rs.)	GST (Rs.)	Rate including GST (Rs.)
A	B	C	D	E	F	G=E+F
1	Microwave-Ultraviolet-Ultrasonic Synthesis system i.e. Microwave Reactor	Microwave Frequency - 2450 MHz Installed Microwave Power - 1800 Watt Internal Microwave Chamber - 42 L, Corrosion and rust resistant material, Maximum Output Power - 1000 W, Non-Pulsed Continuous Automatic UV light Setup - UV irradiation of different Wavelength - 365nm, UV Light Power - 300W Ultrasonic Setup: Working Frequency should be 26 to 28 KHz; Power Regulation range 0 to 800 W Magnetic Stirring: High Power Magnetic Stirrer with adjustable stirring speed up to 2400RPM. Exhaust system of chamber: It should be Corrosion-Resistant	One (1)			



	<p>Integrated Systems: Instrument is equipped with Inert Gas Purging facility, Reflux and Vacuum Temperature Measurement - High Precision temperature sensor operating from 0°C to 300°C, Monitoring System - HD Camera with external Display of the process and reaction inside the chamber and should display real-time temperature, stirring speed, reaction graphs</p> <p>Main-Display: Acid-Resistant Touch Screen</p> <p>Software: Versatile software to precisely control and adjust Microwave Power, Temperature, Time, UV light, Stirring Speed. UV Light, Ultrasonic and Microwave Programme can be used simultaneously or separately.</p>				
	<p>Safety: proper ventilation, vapor sensing, and pressure relief on vessels, Overheat Cut-Off. System, malfunction warning.</p> <p>Vessel capacity: include the range from 10 mL to 1000mL</p> <p>Volume of glass or flask: 25 ml, 50 ml, 100 ml, 250 ml, 500 ml, 1000mL.</p> <p>Volume of Quartz: 100ml, 250ml</p> <p>Glass accessories: should include reflux Condensing Pipe, Balance Dispenser, Oil-Water separator and T-connector, Stopper, etc.</p>				
	Total (Rs.)				
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Finance Officer

Netaji Subhas Open University DD-26, Sector -1, Salt Lake, Kolkata-700064