



INDIAN INSTITUTE OF TECHNOLOGY BOMBAY

MATERIALS MANAGEMENT DIVISION

Ref. PR No. 1000043647

RFx. No. 6100001968

**Technical Specifications for the Add-On Components of UV
VISIBLE SPECTROPHOTOMETER**

Sr. No	Item Description	Detailed Technical Specification	Quantity	Technical Compliance (Yes / No)	Additional Information (if any)
1.	UV-VISIBLE Spectrophotometer Accessories	The add-on components should be compatible with UV VIS Spectrophotometer from Perkin Elmer, model Lambda 365+ Analyzer. PC controlled with software, add-on components shall also be software controlled.			
2.	Automatic Sample unit	S23 Autosampler along with any required kit	1		
3.	Transmission-Reflectance Sphere	Measuring Diffuse Reflectance (Specular Component included-SCI), total transmittance or hemispherical transmittance on virtually any solid or liquid. Spectral Range 200-1100nm, along with any required kits and requirements	1		
4.	Powder sampling kit	Powder sampling kit for Lambda 365+	1		
5.	Peltier Single Cell Holder with ref heat	Useful for thermal denaturation, kinetics and other temperature control studies. Temperature control for 1 sample and reference along with stirrer control, along with all kits and requirements	1		
6.	Peltier Controller	Internal liquid cooling system, nitrogen purge gas capability and magnetic stirrer control, along with all kits or requirements Temperature -5 to 100°C, Temperature accuracy ±0.1°, Coolant volume 1L, temperature control precision 0.1°	1		
7.	Applications	Pharmaceuticals sample, Chemical sample, Food sample, industrial waste sample etc			
8.	Working temperature range and humidity	10-35 °C, 15-95% RH			
9.	PC with Software	Shall provide software compatible with Perkin Elmer Lambda 365+			
10.	Installation and training	The entire system should be installed and commissioned at IIT Bombay. Any additional requirements should be mentioned and provided.			

11.	Terms and Conditions	<ul style="list-style-type: none"> a. All the system components supplied, should have warranty for three years from date of installations. b. System performance should be demonstrated with necessary standards and calibration kits which should be provided by the vendor as part of standard delivery. c. The quoted model should have all the spares and components available for at least 10 years after installation, and service support should also be available for at least 10 years. d. Under warranty all spares to be provided including maintenance kits, calibration kit etc as and when required. e. No conditional warranty will be accepted. f. Basic training for a period of one week after installation & commissioning of the equipment to all the nominated technical personnel to be provided at our site. g. On-site training of staff and students (at least twice in a year for 7 days each) during the first 3 years. h. Good technical support should be provided after the installation of the instrument and the service engineer should be able to attend unlimited breakdown calls and should visit the installation site within 24 hours without fail. i. Service support should be available for 6 days a week j. Training on troubleshooting the issues associated with instrumentation or application should be provided free of cost whenever required by the user k. Manufacturer should provide the service support details in Mumbai and India. l. Details of the service engineers and application specialists should be provided along with their experience on these kinds of systems. m. Details of the users (name, phone number and email ID) in India for the quoted spare parts in the bid should be provided. n. Instrument performance, quality of service and application support certificates from at least three existing users should be provided, mainly of user from IIT or CFTI or equivalent. o. The delivery period should be specifically stated. Earlier delivery may be preferred p. We may provide unknown samples to the vendors for analysis on the quoted models to verify their claims on technical specifications and reserve the rights to reject any or all quotations based on the results 		
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