



INDIAN INSTITUTE OF TECHNOLOGY BOMBAY
MATERIALS MANAGEMENT DIVISION
Powai, Mumbai 400076.

Ref No.(PR No.1000040751)

(Rfx No. 6100001828)

Technical Specifications : Multimode microplate reader
(Qty : 1 No.)

Sr.No.	Technical Specifications	Compliance (Yes/No)
1	Detection Modes: UV-Vis Absorbance,	
2	Microvolume analysis: System should be capable of analysing microvolume as low as 2 microlitre.	
3	Kinetics: System should be capable of kinetic studies.	
4	Temperature control: 5°C to 40°C or above	
5	Shaking: System should have shaking function (linear and orbital)	
6	Plate compatibility: 6 - 384 well plates	
7	Compactness: The system must be very compact and table top type.	
8	Absorbance Mode: Wavelength selection: Monochromator based, 1.0 nm increments	
9	Wavelength range: 230 - 1000 nm	
10	Dynamic Range: 0-4 OD	
11	Fluorescence Mode: Wavelength selection: Monochromator based, 1.0 nm increments	

12	Wavelength range: 250 - 850 nm or better	
13	Reading capabilities: Top and Bottom	
14	Luminescence Mode: Wavelength selection: Monochromator based, 1.0 nm increments	
15	Wavelength range: 380 - 600 nm or better	
16	Detector: PMT	
17	Supply of Micro volume measurement plate or complete kit: Complete kit/plate required for measurement of microvolume sample should be included. The kit/plate should be re-usable.	
18	Supply of software: Latest compatible software must be for data capturing and data analysis must be included. Vendor should provide updated software free of cost as and when required for the lifetime of the instrument.	
19	Supply of PC: Suitable PC (preferably Laptop) with required configuration should be supplied.	
20	Installation and Training : Device Installation and training has to be provided by the Vendor free of cost.	
21	Warranty: 12 months minimum from date of installation.	