

Running Contract Details	
Equipment Name	Microplate spectrophotometer with touch screen
Running Contract Valid Till	19-09-2026
Tender Ref No	KMSCL/EP/T539/1704/2024
Tendered Quantity	4
Supplier Name	M/s Scientific Enterprises
GST No	32AAIFS7780D1Z4
Installation & Delivery Period	8 Week(s)
Up-time / PM vist	95% & 4 Visits per year
Warranty period	3 Years

Supplier`s Details		
Address	Contact Details	
PB No. 1951 Vytila Kochi 682019	Contact Person	Neenu
	Phone	
	Mobile No	9847701536
	Email	seqcochin@gmail.com

Item-wise Price Details							
#	Item Details			Unit Rate (Incl.all taxes & charges)	Service Charges (Through KMSCL)	Grand Total	
1	Microplate spectrophotometer with touch screen			1161120 Incl.GST :18%	81278.4	1242398.4	
				1161120	81278.4	1242398.4	
Annual / Comprehensive Maintenance Charges (Exl.Tax)							
Rate	4 <sup>th</sup> Year	5 <sup>th</sup> Year	6 <sup>th</sup> Year	7 <sup>th</sup> Year	8 <sup>th</sup> Year	9 <sup>th</sup> Year	10 <sup>th</sup> Year
Microplate spectrophotometer with touch screen							
Labour	49,200.00	54,120.00	59,532.00	65,485.00	72,034.00	79,237.00	87,160.00
Comprehensive	68,880.00	75,770.00	83,345.00	91,680.00	1,00,850.00	1,10,935.00	1,22,030.00

### Other terms & conditions

1. The supplier shall execute an agreement with the purchaser as per tender conditions (agreement format is given in the tender document).

2. The supplier shall submit performance security amounting to 5.00% of the value of the supply order.
3. The labour & comprehensive charges of equipment after the completion of warranty period is finalized by KMSCL as mentioned above.
4. Since discount rate is not applicable for equipment under Running Contract of KMSCL, purchase/supply order can be issued directly to supplier at the given rate with tax & other charges (exclusive of KMSCL service charges).
5. If purchase/supply order is issued directly to the supplier, KMSCL service charge need not be paid. But the copy of the said order may be forwarded to KMSCL for information.

### **Technical Specification**

#### **Equipment :Microplate spectrophotometer with touch screen**

#### Technical Specification

#### **Equipment: Microplate Spectrophotometer with Touch Screen**

1. A Microplate spectrophotometer capable of spectral scanning from UV-visible to near-IR wavelength range and should able to read 96 & 384 microwell plate formats (C,F,U bottom).
2. It should also allow to read other multi-well plate formats viz. 6-48 well having a maximum plate height with lid 19.5 mm
3. Instrument should have a dedicated cuvette port for cuvette based absorbance measurements
4. Should be compatible with cuvettes of 12.5 mm x 12.5 mm (WxD) and 40-58 mm height
5. Should work as a standalone touch screen system without computer and also able to run with computer controlled software.
6. Analysis Software supplied should be supplied with unlimited installation user license.
7. Should able to read end point, kinetics, turbidimetry, spectral scanning and also kinetic spectralscan
8. System should able to run in stand-alone mode using 7 inch or more touch screen for quick usage
9. The instrument should have a memory of 90 or more inbuilt protocols in stand-alone mode
10. Communication options: USB ports to PC, Wi-Fi dongle and data transfer devices, Ethernet port
11. Access data via cloud based capabilities, wired or wireless network connection
12. Instrument should have monochromator based wavelength selection capability from 200nm to 1000nm with 1 nm step size and bandwidth <2.5 nm
13. Should have Xenon flash lamp with longer life as illumination source and powerful photodetectors for precise read-outs
14. Readout range should be 0-4 absorbance units
15. Should have photometric accuracy  $\pm 2\%$  and photometric precision (at 450 nm)  $SD < 0.003$  Abs or  $CV < 1\%$
16. The instrument should have inbuilt incubation and linear shaking options for longer kinetic assay setc.
17. Incubation temperature control should be from ambient to  $+45^{\circ}\text{C}$
18. Measurement speed should be 6 sec for 96 well and 10 sec for 384 well plate
19. Spectral scanning speed from 200 to 1000 nm should be 10 sec or less
20. Should enable to visualize data in both numerical mode and heat-map/virtual image of plate
21. Instrument should be supplied with a micro-volume analysis plate (2-10  $\mu\text{L}$ ) to simultaneously quantitate up to 32 samples of DNA/RNA/Protein as well as purity analysis (A260/A280, A260/A230) for nucleic acids directly with on the instrument (standalone mode)
22. Database based software to run backups of all data, restore back up data (in case of hard ware failure of original computer)
23. Data export can be pdf, excel, xml, text formats
24. Should be a CE certified model