KERALA MEDICAL SERVICES CORPORATION LTD
(A Government of Kerala Undertaking)
Thycaud P.O, Thiruvananthapuram - 14, Kerala.
Tel: 0471 - 2945600, 2337353, Fax: 0471 - 2945647
Email :ep.kmscl@kerala.gov.in
CIN: U24233KL200TSGC021616, PAN : AADCK4029M, GSTIN : 32AADCK4029M1ZK

Running Contract Details	
Equipment Name	UV Visible Double beam Spectrophotometer
Running Contract Valid Till	12-07-2028
Tender Ref No	KMSCL/EP/T582/1808/2025
Tendered Quantity	4
Supplier Name	M/s Toshvin Analytical Pvt Ltd
GST No	
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**	
CC.No. 31/227C Manayaparambil House Junior Janatha Road Ponnurunny Vytilla P.O Cochin : 682 019	Contact Person	S. Rajesh
	Phone	0484 2304043
	Mobile No	9349810389
	Email	cochin@toshvin.com

Item-wise Price Details

#	Item Details	Unit Rate (Incl.all taxes & charges)	Service Charges (Through KMSCL)	Grand Total
1	**UV Visible Double beam Spectrophotometer** *Model & Make : UV - 1900i / Shimadzu*	781160 Incl.GST :18%	54681.2	835841.2
		781160	**54681.2**	**835841.2**

Annual / Comprehensive Maintenance Charges (Exl.Tax)

Rate	4th Year	5th Year	6th Year	7th Year	8th Year	9th Year	10th Year
UV Visible Double beam Spectrophotometer							
Labour	41,500.00	45,650.00	50,215.00	55,237.00	60,760.00	66,836.00	73,520.00
Comprehensive	59,000.00	64,900.00	71,390.00	78,529.00	86,382.00	95,020.00	1,04,522.00

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 :UV Visible Double beam Spectrophotometer

Instrument:
a. UV Visible Double beam Spectrophotometer with Ray Ligh Diffraction
Grating technology, high performance optics.
b. High resolution, Low stray light and high reproducibility and Ultra-fast scanning.
2. Instrument features
a. Compact with standalone operation and PC control
b. Built in latest Color touch screen user interface with stylus touch operations.
c. Able to do fast access in standalone mode and facility to operate as stand
alone or PC based through Windows based Spectroscope software.
3. Optical Design: Advanced double beam Optics having facility to measure
sample and reference with simultaneously.
4. Optics: Quartz coated optics monochromator with compact grating
having 1200 lines / mm
5. Scanning speed: 29,000 nm/min
6. Low stray light: Stray light at 198 nm should be less than 1% and less than 0.02
% at 220nm and 340nm .
7. Light source:
a. Tungsten Halogen lamp & Deuterium lamp with Automatic change over
b. Source capable for giving 2000 working hours is life of light source
with part number to be displayed in the instrument screen
8. Wavelength range: 190-1100 nm
9. Wavelength accuracy: ± 0.1 nm or better D2 peak at 656.1nm
10. Wavelength repeatability: ± 0.1 nm
11. Spectral Band width: 1nm fixed for 190nm to 1100nm
12. Noise Level: Less than 0.00005 Abs (700nm)
13. Photometric range: Up to 4 Abs
14. Photometric accuracy: +0.004A within 1 Abs
15. Photometric Repeatability: ? 0.0002Abs at 1 Abs
16. Detector: Dual silicon Photo diode
17. Accessories: pair quartz cuvette,10mm path length, 3.5ml capacity
18. PC specification: Minimum Intel dual core, 4GB RAM, 500GB HDD,DVD
Writer, USB, Key board, Mouse Windows 10(License), Laser printer.
19. Base line stability: Less than 0.0003 Abs/ hr(700nm)
20. Base line Flatness: Less than 0.0006 Abs/ hr (1,100nm to 190nm)
21. Technical Standard Compliance: ISO 9001 and CE mark
22. Operation modes: Spectrum scan, Photometric, Quantification,
Kinetics, Bio method, Multi Wavelength measurement.
23. Data processing and Report Generation: Software should have spectrum
KMSCL: e-Tender Document for the supply & Installation of UV Visible Double beam
Spectrophotometer 51 overlay, peak pick up function. Built in for report generation and transfer
of data via USB.
24. Validation Function: Instrument validation programme built in,
Pharma Validation function built in

25. Sample compartment: Sample compartment contain one reference holder and one sample holder separately
26. Installation requirements: PC, Printer, Power points and power supply.
27.Additional requirement: IQ OQ PQ test