

Running Contract Details	
Equipment Name	Truenat PCR Machine-Quattro
Running Contract Valid Till	21-08-2026
Tender Ref No	KMSCL/EP/T545/1634F/2024
Tendered Quantity	50
Supplier Name	M/s Quality Healthcare,
GST No	32AAAFQ4703E1ZV
Installation & Delivery Period	4 Week(s)
Up-time / PM vist	95% & 4 Visits per year
Warranty period	3 Years

Supplier`s Details		
Address	Contact Details	
No. 54/689E 2nd Floor Bose Nagar Kadavanthra Elamkulam-682020	Contact Person	Rajeev
	Phone	
	Mobile No	9946035900
	Email	qhcek2014@gmail.com

Item-wise Price Details							
#	Item Details			Unit Rate (Incl.all taxes & charges)	Service Charges (Through KMSCL)	Grand Total	
1	Truenat PCR Machine-Quattro <i>Model & Make : Quattro/Molbio diagnostics</i>			1680000 Incl.GST :12%	123900	1803900	
				1680000	123900	1803900	
Annual / Comprehensive Maintenance Charges (Exl.Tax)							
Rate	4 th Year	5 th Year	6 th Year	7 th Year	8 th Year	9 th Year	10 th Year
Truenat PCR Machine-Quattro							
Labour	59,000.00	59,000.00	59,000.00	59,000.00	59,000.00	59,000.00	59,000.00
Comprehen sive	94,400.00	94,400.00	94,400.00	94,400.00	94,400.00	94,400.00	94,400.00

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 :Truenat PCR Machine-Quattro

Equipment Name: Truenet PCR Machine (Quadra))

I. Sample Preparation Device.

1. Should have Cartridge based extraction with pre-programmed electromechanical device to sequentially heat, mix and add reagents.
2. Should be Fully Automatic
3. Should have one sample Throughput
4. Reagents should have the ability do any of Blood, Plasma, Serum, Sputum and Throat Swab to extraction & purification of DNA & RNA
5. Run Time Should be Not More than 20 Minutes
6. Should have the ability to do Sputum, Whole Blood, Plasma, Serum, Body Fluids, and Tissues etc.
7. Should have LCD Display.
8. Software should be User Friendly.
9. Unit should have the facility to Operating Temperature minimum 15-40 $\text{^{\circ}C}$, and also Relative Humidity should be 10-80%
10. Should have the Battery Backup facility minimum 4 Hours.
11. Should have ISO 9001:2015 and ISO 13485: 2016 Certificates.
12. Software upgradation should be provided free of Cost when ever required, during the life span of machine.

II. Micro Real Time Polymerase ChainReaction instrument.

1. Should be chip-based real-time micro PCR
2. Should be Micro Chip with Ceramic Heating Elements of Thermal System.
3. Should be Fluorescence, Three wavelength - LED for Excitation & Photodiode for detection of Optical System
4. Speed should be Not Less than 40 Cycles of PCR / 40 Minutes
5. Should have the facility of Wi-Fi, GPRS, Bluetooth
6. Should have Android Operating System
7. Should have Auto-Calibration
8. Should have Four sample Throughput at a time
9. Should have capacity to perform 40-48 tests in 8 hours
10. Should have Dyes of Atto 565, Atto 647 & FAM Calibrated.
11. Should have Heating Rate not less than 7 $\text{^{\circ}C}$ / Second
12. Should have Minimum Cooling Rate 4 $\text{^{\circ}C}$ / Second
13. Temperature Range Should be Minimum Room Temperature to Maximum 100 $\text{^{\circ}C}$
14. Should have Temperature Accuracy +/- 0.25 $\text{^{\circ}C}$
15. Linear Dynamic Range should have 9 Logs.
16. Should have ability to use Taqman Probes
17. Should have Storage capacity of test results not less than 20,000 tests.
18. Unit should have the facility to Operating Temperature minimum 15-40 $\text{^{\circ}C}$, and also RelativeHumidity should be 10-80%

19. Should have Not less than 4" Touch Screen
20. Should have Thermal Printer with Bluetooth facility.
21. Should be operated Power Single Phase
22. 100-240V; 50/60Hz;
23. Should have the Battery Backup facility minimum 4 Hours.
24. Should have IVD and DCGI approvals.
25. Should have ISO 9001:2015 and ISO 13485 : 2016 Certificates.
26. Should have the ability to do H1N1, MTB, RIF and Influenza-A/B.
27. Software upgrade should be provided free of Cost when ever required, during the life span of machine.