



Running Contract Details	
Equipment Name	Real Time PCR System for SPH Lab
Running Contract Valid Till	13-03-2020
Tender Ref No	KMSCL/EP/T262/1103/2017(R)
Tendered Quantity	10
Supplier Name	M/s Scientific Enterprises
GST No	32AAIFS7780D1Z4
Installation & Delivery Period	6 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 â€“ 682019	Contact Person	Deepa
	Phone	
	Mobile No	9447717286
	Email	seqcochin@gmail.com

Item-wise Price Details				
#	Item Details	Unit Rate (Incl.all taxes & charges)	Service Charges (Through KMSCL)	Grand Total
1	Real Time PCR System for SPH Lab <i>Model & Make : QUANTSTUDIO 5 / THERMO FISHER SCIENTIFIC</i>	1457300 Incl.GST :18%	102011	1559311
		1457300	102011	1559311

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
Real Time PCR System for SPH Lab							
Labour	78,529.00	86,382.00	14,495.00	1,04,523.00	1,14,975.00	1,26,473.00	1,39,121.00
Comprehen sive	1,57,058.00	1,72,764.00	1,90,040.00	2,09,044.00	2,29,949.00	2,52,944.00	2,78,238.00

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% 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 :Real Time PCR System for SPH Lab

1. Real time PCR with block of 96 x 0.1 ml to run 0.1ml tubes, strips, and plates.
2. Should be able to handle reaction volumes from 10uL
3. Detection of 5 or more different fluorescent reporters in the same tube.
4. Should be capable of Detecting FAM/Sybr Green, VIC/JOE, TAMRA/Cy3, Texas Red/ROX, Cy5, Quasar 705 and Cy5.5
5. Max Ramping speed : 6°C/sec or above.
6. Excitation – Emission range: 450 - 730 nm
7. Peltier Cooling & Heating for uniform temp control
8. Should have an excitation source of LED / Tungsten Halide / Xenon with Photodiode / CCD camera detector/CMOS.
9. Dynamic range of 10 orders or more.
10. Open system capable of running various chemistries so that different chemistries using TaqMan, Molecular Beacon, SYBR green etc., can be performed.
11. Temperature minimum range 40 – 95 °C with accuracy of ± 0.25 °C and uniformity of ± 0.5 °C.
12. Automatic allelic discrimination by end point fluorescence or threshold cycle.
13. Gene expression analysis by relative quantity ($\Delta\Delta Ct$) or normalized expression ($\Delta\Delta Ct$).
14. End point analysis for up to 5 fluorophores
15. Should have mode for Melt curve analysis
16. The amplification traces should be viewed on the screen in real time while a run is in progress.
17. Should have provision to add or remove samples, change the filter parameters and well assignments for analysis after the run is in progress or ended.
18. Should come with suitable computer.
19. Consumables (tubes, strips and plates) or any other accessory required for the machine should be quoted separately. Any accessory not quoted and is required, shall be supplied free of cost.
20. The quote shall include all calibrations required, including cost of calibrators. Any calibrations required, including calibration of custom dyes supported by the equipment, shall be free during the warranty and CMC period