



Running Contract Details	
Equipment Name	FACS Analyzer System
Running Contract Valid Till	20-03-2021
Tender Ref No	KMSCL/EP/T311/1281/2019(R)
Tendered Quantity	15
Supplier Name	M/s Beckman Coulter India Pvt. Ltd
GST No	33AACCB7266L1ZH
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	
Hisaria Warehouse Madhavaram Vadeparambakkam Red Hills High Road Chennai Tamil Nadu 600 060. India	Contact Person	Mr.Anup Babu
	Phone	
	Mobile No	9567013103
	Email	ababu@beckman.com

Item-wise Price Details				
#	Item Details	Unit Rate (Incl.all taxes & charges)	Service Charges (Through KMSCL)	Grand Total
1	FACS Analyzer System <i>Model & Make : NAVIOS EX 3 laser 10 Colour Flow Cytometer / BECKMAN COULTER USA</i>	3776000 Incl.GST :18%	264320	4040320
		3776000	264320	4040320

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
FACS Analyzer System							
Labour	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Comprehen sive	0.00	0.00	0.00	0.00	0.00	1,20,000.00	1,20,000.00

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 :FACS Analyzer System

1. The flow cytometer should be equipped with lasers of following wavelengths and power outputs:
a) 488nm Solid State blue laser b) 633-642nm Solid State red laser c) 405nm Solid state violet laser.
2. The flow cytometer should have capability of 10 fluorescent colors and 12 parameters. For each parameter the flow cytometer should be capable of measuring area, height and width.
3. The excitation and collection optics of all lasers should be fixed requiring no alignment to be done by operator
4. The flow cytometer should have high quality quartz flow cell.
5. The flow cytometer should be automated to start daily routine procedures, such as startup, shutdown, and routine cleaning cycles with the help of clinical software or better software which is evaluated with clinical samples.
6. The flow cytometer should be able to acquire at least 25,000 events per second or higher. The sample carryover must be $\leq 0.1\%$.
7. The system should have compensation capability between all fluorescence channels with online as well as post-acquisition manual and auto-compensation features.
8. The equipment should have digital signal processing with dynamic range of at least 18 bit acquisition or more.
9. The equipment should be operable at 220-230V and 50Hz
10. The Cytometer should have bio-hazard containment system and proper waste collection and management system.
11. The flow cytometer should have automatic loader carousel with the capability of 28 or more 12 X 75 mm tubes and should automatically loads them in the machine system without operator intervention.
12. The company should provide appropriate starter kits.
13. Minimum two licensed/open software copies for data analysis should be supplied
14. The equipment quoted should be IVD approved.
15. State of art, compatible computer system with latest configuration along with DVD-RW devices, USB ports, 24" or higher Monitor and network ports.
16. The instrument should be able to analyse samples with a minimum volume of ≥ 50 ul.
17. Should supply a high quality printer to take print out of results, reports etc
18. Should supply online UPS with maintenance free batteries, spike protection for minimum one hour backup with full load.

19. A suitable anti-vibration table (with lockable shelves and leg space) should be supplied along with the machine
20. Should supply reagents including necessary consumables, Quality control for common assays (if required), lysing solutions (red blood cells), sheath fluids/solutions, tubes and other necessary consumables for a minimum of 2000 assays.
21. Should have safety certificate from a competent authority CE issued by a notified body registered in European commission / FDA (US) / STQC CB certificate / STQC S certificate or valid detailed electrical and functional safety test report from ERTL. Copy of the certificate / test report shall be produced along with the technical bid.