



Running Contract Details	
Equipment Name	Fully Automated Biochemistry analyser Model A
Running Contract Valid Till	18-01-2028
Tender Ref No	KMSCL/EP/T467/49A/2022
Tendered Quantity	93
Supplier Name	M/s Agappe Diagnostics Ltd
GST No	32AACCA3940Q1ZL
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	
Corporate Office/Plant Agappe Hills Pattimattom P.O Ernakulam - 683 562	Contact Person	Bijoy C J
	Phone	0484 2867000
	Mobile No	9387384116,9388754227,9387384112,9353093006,7994449323
	Email	tender@agappe.in,tenderbackoffice@agappe.in,vijayraj.pr@agappe.in,kuruvilla.kc@agappe.in,saji.mathew@agappe.in

Item-wise Price Details				
#	Item Details	Unit Rate (Incl.all taxes & charges)	Service Charges (Through KMSCL)	Grand Total
1	Fully Automated Biochemistry analyser Model A <i>Model & Make : BS 430 / Shenzhen Mindray Bio-Medical Electronics Co.Ltd</i>	1239000 Incl.GST :18%	86730	1325730
2	Rate and Pack size of Urea <i>Model & Make : 600 Test</i>	772.8 Incl.GST :12%	56.99	829.79
3	Rate and Pack size of Creatinine <i>Model & Make : 690 Test</i>	336 Incl.GST :12%	24.78	360.78
4	Rate and Pack size of Glucose <i>Model & Make : 720 Test</i>	2016 Incl.GST :12%	148.68	2164.68
5	Rate and Pack size of Cholesterol <i>Model & Make : 488 Test</i>	491.68 Incl.GST :12%	36.26	527.94
6	Rate and Pack size of HDL <i>Model & Make : 684 Test</i>	3447.36 Incl.GST :12%	254.24	3701.6

Item-wise Price Details				
7	Rate and Pack size of LDL <i>Model & Make : 400 Test</i>	3584 Incl.GST :12%	264.32	3848.32
8	Rate and Pack size of Triglycerides <i>Model & Make : 488 Test</i>	1093.12 Incl.GST :12%	80.62	1173.74
9	Rate and Pack size of Uric acid <i>Model & Make : 488 Test</i>	819.84 Incl.GST :12%	60.46	880.3
10	Rate and Pack size of Total Protien <i>Model & Make : 360 Test</i>	201.6 Incl.GST :12%	14.87	216.47
11	Rate and Pack size of Albumin <i>Model & Make : 488 Test</i>	273.28 Incl.GST :12%	20.15	293.43
12	Rate and Pack size of SGOT <i>Model & Make : 600 Test</i>	604.8 Incl.GST :12%	44.6	649.4
13	Rate and Pack size of SGPT <i>Model & Make : 600 Test</i>	604.8 Incl.GST :12%	44.6	649.4
14	Rate and Pack size of Alakline Phosphatase <i>Model & Make : 600 Test</i>	672 Incl.GST :12%	49.56	721.56
15	Rate and Pack size of Bilirubin Total <i>Model & Make : 330 Test</i>	443.52 Incl.GST :12%	32.71	476.23
16	Rate and Pack size of Bilirubin Direct <i>Model & Make : 330 Test</i>	443.52 Incl.GST :12%	32.71	476.23
17	Rate and Pack size of Calcium <i>Model & Make : 360 Test</i>	443.52 Incl.GST :12%	32.71	476.23
18	Rate and Pack size of Phosphorous <i>Model & Make : 628 Test</i>	844.48 Incl.GST :12%	62.28	906.76
19	Rate and Pack size of Amylase <i>Model & Make : 270 Test</i>	1965.6 Incl.GST :12%	144.96	2110.56
20	Rate and Pack size of Lipase <i>Model & Make : 160 Test</i>	2150.4 Incl.GST :12%	158.59	2308.99
21	Rate and Pack size of Addional Parameter 1- CK-NAC <i>Model & Make : 640 Test</i>	12902.4 Incl.GST :12%	951.55	13853.95
22	Rate and Pack size of Addional Parameter 2-Enzymatic Creatinine <i>Model & Make : 512 Test</i>	4014.08 Incl.GST :12%	296.04	4310.12
23	Rate and Pack size of Addional Parameter 3-Gamma GT <i>Model & Make : 532 Test</i>	3277.12 Incl.GST :12%	241.69	3518.81
24	Rate and Pack size of Addional Parameter 4- LDH-P <i>Model & Make : 360 Test</i>	1612.8 Incl.GST :12%	118.94	1731.74
25	Rate and Pack size of Addional Parameter 5-Magnesium <i>Model & Make : 314 Test</i>	773.92 Incl.GST :12%	57.08	831

Item-wise Price Details							
26	Rate and Pack size of Additional Parameter 6-ASO <i>Model & Make : 200 Test</i>			4032 Incl.GST :12%	297.36	4329.36	
27	Rate and Pack size of Additional Parameter 7-CRP <i>Model & Make : 200 Test</i>			3360 Incl.GST :12%	247.8	3607.8	
28	Rate and Pack size of Additional Parameter 8 - HbA1c Direct <i>Model & Make : 200 Test</i>			10080 Incl.GST :12%	743.4	10823.4	
29	Rate and Pack size of Additional Parameter 9 - Microalbumin <i>Model & Make : 157 Test</i>			6154.4 Incl.GST :12%	453.89	6608.29	
30	Rate and Pack size of Additional Parameter 10 - RF <i>Model & Make : 200 Test</i>			4032 Incl.GST :12%	297.36	4329.36	
31	Rate for 1 ml Calibrator solution shown here (available pack size is 15 ml) <i>Model & Make : 15 ml</i>			296.8 Incl.GST :12%	21.89	318.69	
32	Rate for wash solution <i>Model & Make : 1000 ml</i>			1624 Incl.GST :12%	119.77	1743.77	
33	Rate for Cuvette <i>Model & Make : 1 No</i>			2631.4 Incl.GST :18%	184.2	2815.6	
34	Rate for Sample cup <i>Model & Make : 1000 Nos</i>			1.42 Incl.GST :18%	0.1	1.52	
35	Rate for tubing kit			108560 Incl.GST :18%	7599.2	116159.2	
36	Rate for Lamp			7080 Incl.GST :18%	495.6	7575.6	
				1430640.66	100419.98	1531060.64	
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
Fully Automated Biochemistry analyser Model A							
Labour	31,500.00	31,500.00	31,500.00	31,500.00	31,500.00	31,500.00	31,500.00
Comprehensive	52,500.00	52,500.00	52,500.00	52,500.00	52,500.00	52,500.00	52,500.00

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 :Fully Automated Biochemistry analyser Model A

1. The system should be fully automated, random access, for routine chemistries
2. The system should provide endpoint and Kinetic assay.
3. The through put should be 250 tests or more per hour (without ISE)
4. The minimum number of test parameters on board at a time should be 30.
5. The minimum sample capacity should be 50 at a time.
6. Minimum number of STAT samples at a time should be 15.
7. The system should have preferential treatment for STAT samples.
8. The sample loading: Continuous/sample tray.
9. The reaction cuvette must be reusable and durable. The reaction cuvettes should be replaced at free of cost when ever required during the warranty period and CAMC period.
10. Sample cups should be reusable.
11. Reagent requirement should be less than 300?l.
12. Required wavelengths, ranging from 340 to 750 or more. Wavelength measured by diffraction gratings.
13. The system should have on board cooling system (refrigerated/Peltier).
14. Should have on board quality control programme including Levy Jennings graph.
15. Should have reagent storing capacity of 50 or more bottles in reagent1 and reagent2 together.
16. Data Management System should store calibration and quality Control data, and patient data for 10000 tests. Report should be generated in free format.
17. Multi technology water plant including RO of required capacity should be supplied along with the instrument and warranty includes the consumables for the water plant system. Should have continuous monitoring and display of water quality.
18. Free maintenance of the water plant including the resin replacement should be covered under the warranty period & CAMC Period.
19. Should be supplied with 10,000 sample cups.
20. Should be floor model type or bench top with suitable stand.
21. Should have facility for reading results on monitor and print out facility. 80 column dot matrix/ Laser printer should be supplied along with the unit.
22. Should provide reagents for
 - a. 1000 test - Urea, Creatinine, Glucose

- b. 250 tests - Uric acid,Cholesterol, Total Protein, albumin, SGOT, SGPT, Alkaline phosphatase, Bilirubin (Total & Direct)
- c. Calibrators – 3 ml x 10 nos

23. The pack size and rate of one pack of reagent shall be quoted & the rate shall be fixed for 5 years (Period will be starting from the date of price bid opening). All reagents should have minimum 80% shelf life (minimum 6 months) at the time of supply. Any short expiry reagents supplied will be replaced free of cost as when requested by the end user.

Urea (GLDH method), Uric acid (Uricase method),Creatinine (Modified Jaffe), Glucose (Hexokinase), Cholesterol (Cholesterol Esterase), HDL, LDL, Triglycerides, Total Protein, Albumin,SGOT,SGPT, Alkaline phosphatase, Bilirubin – Total, Bilirubin - Direct, Calcium, Phosphorous, Amylase, Lipase shall be quoted separately which will be taken for evaluation.

Any other parameters other than the above can be offered and the cost of reagent with pack size can also be mentioned in the BOQ – 10 free locations

24. Refrigerator without freezer (above 250 L) with temperature display and stabilizer should be provided by the supplier

25. Should work on 200-240Vac 50Hz power supply.

26. Should provide with calibration certificates issued by the manufacturer at the time of installation and calibration certificate should be issued for the machine by the supplier during preventive maintenance visit in the warranty and AMC period.

27. Should have safety certificate for in vitro diagnostics applications for equipment and reagents issued by a notified body registered in European Commission/ FDA (US)/ STQC/ ERTL. Copy of the certificate / test report shall be produced along with the technical bid

28. Should supply online UPS of suitable capacity with 1 hour backup along with each unit.

29. Desktop computer (if required) suitable for use with the equipment along with computer table shall be supplied . The UPS for the computer shall also be supplied

30. Consumable prices should freeze for minimum 5 years. (reagents, cuvette, sample cup, calibrator, wash solution).

31. System should be compatible for lab information system & should be interfaced on HL7 / ASTM Protocol. Should have bidirectional capability. The interface cable for LIS integration should be part of standard accessories

32. PM kit, Lamp/ lamp assembly, tubing kit shall be provided free of cost during warranty as well as CAMC Period.

33. All bidders are requested to quote the cost for the reagents, calibrator and wash solution. For L1 calculation following items are taken

- a. Cost of reagents – Cost/test x No. of tests x 30 days x 12 months x 5 years

Urea (GLDH method), Creatinine (Modified Jaffe / Enzymatic Creatinine), Glucose (Hexokinase) – for L1 calculation no. of tests are taken 250 per day

Cholesterol (Cholesterol Esterase), HDL , LDL, Triglycerides, Uric acid (Uricase method), Total Protein, Albumin, SGOT, SGPT, Alkaline phosphatase, Bilirubin – Total, Bilirubin - Direct, Calcium, Phosphorous, Amylase, Lipase - for L1 calculation no. of tests are taken 100 per day

34. During demonstration, bidders are required to conduct the tests by using L1 and L2 QC from a reputed brand like M/s. Biorad QC. The CV% and the carryover will be tested in the following manner;

1. CV% of the following parameters should be less than or equal to the percentage mentioned against each parameter and the QC considered for evaluation is also mentioned against the parameter.

- a. Glucose – L1 QC – less than 5%
- b. Creatinine – L2 QC –less than 10%

c. SGOT – L1 QC – less than 10%

2. Carryover % of the following parameters should be less than or equal to the percentage mentioned against each parameter and samples (high & low) considered for evaluation will be provided the committee.

a. Glucose –less than 2%

b. Creatinine –less than 2%

c. SGOT –less than 2%

35. The tenderer should have various pack sizes for all reagents and out of which one pack size available should be 500 tests or less. The available pack sizes of all reagents offered by the tenderer should be mentioned in the offer form. The cost/ test offered in the BOQ shall be applicable to all these packs. The reagents, consumables, wash solution consumption considered for cost/ test calculation for each parameter shall be mentioned in the offer form. Reagents offered other than the insisted parameters should be declared in the offer form

36. Wash solutions & calibrators shall be supplied free of cost. The sufficient quantity of these solutions shall be supplied along with the reagent kits/ as and when required.