



Running Contract Details	
Equipment Name	Fully Automated Biochemistry analyser Model A
Running Contract Valid Till	13-10-2027
Tender Ref No	KMSCL/EP/T572/49A/2025
Tendered Quantity	100
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	Mr.Kuruvila. KC
	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 : Mispa CX4 / Dirui</i>	970537.05 Incl.GST :5%	76348.91	1046885.96
2	Rate and Pack size of Urea <i>Model & Make : Test Count - 1014 T</i>	1083.72 Incl.GST :5%	85.25	1168.97
3	Rate and Pack size of Creatinine <i>Model & Make : Test Count - 960 T</i>	441 Incl.GST :5%	34.69	475.69
4	Rate and Pack size of Glucose <i>Model & Make : Test Count - 981 T</i>	1811.79 Incl.GST :5%	142.53	1954.32
5	Rate and Pack size of Cholesterol <i>Model & Make : Test Count - 1450 T</i>	1209.84 Incl.GST :5%	95.17	1305.01
6	Rate and Pack size of HDL <i>Model & Make : Test Count - 639 T</i>	2575.97 Incl.GST :5%	202.64	2778.61

Item-wise Price Details				
7	Rate and Pack size of LDL <i>Model & Make : Test Count - 336 T</i>	2400.3 Incl.GST :5%	188.82	2589.12
8	Rate and Pack size of Triglycerides <i>Model & Make : Test Count - 1450 T</i>	2677.97 Incl.GST :5%	210.67	2888.64
9	Rate and Pack size of Uric acid <i>Model & Make : Test Count - 1016 T</i>	1409.7 Incl.GST :5%	110.9	1520.6
10	Rate and Pack size of Total Protien <i>Model & Make : Test Count - 418T</i>	192.02 Incl.GST :5%	15.11	207.13
11	Rate and Pack size of Albumin <i>Model & Make : Test Count - 1108 T</i>	508.99 Incl.GST :5%	40.04	549.03
12	Rate and Pack size of SGOT <i>Model & Make : Test Count - 981 T</i>	818.52 Incl.GST :5%	64.39	882.91
13	Rate and Pack size of SGPT <i>Model & Make : Test Count - 981 T</i>	818.52 Incl.GST :5%	64.39	882.91
14	Rate and Pack size of Alakline Phosphatase <i>Model & Make : Test Count - 981 T</i>	680.57 Incl.GST :5%	53.54	734.11
15	Rate and Pack size of Bilirubin Total <i>Model & Make : Test Count - 552 T</i>	610.65 Incl.GST :5%	48.04	658.69
16	Rate and Pack size of Bilirubin Direct <i>Model & Make : Test Count - 552 T</i>	610.65 Incl.GST :5%	48.04	658.69
17	Rate and Pack size of Calcium <i>Model & Make : Test Count - 342 T</i>	346.28 Incl.GST :5%	27.24	373.52
18	Rate and Pack size of Phosphorous <i>Model & Make : Test Count - 554 T</i>	612.86 Incl.GST :5%	48.21	661.07
19	Rate and Pack size of Amylase <i>Model & Make : Test Count - 376 T</i>	1833 Incl.GST :5%	144.2	1977.2
20	Rate and Pack size of Lipase <i>Model & Make : Test Count - 211 T</i>	1507.33 Incl.GST :5%	118.58	1625.91
21	Rate and Pack size of Addional Parameter 1- CK-NAC <i>Model & Make : Test Count - 154 T</i>	3229.67 Incl.GST :5%	254.07	3483.74
22	Rate and Pack size of Additional Parameter 2-Enzymatic Creatinine <i>Model & Make : Test Count - 720 T</i>	5940 Incl.GST :5%	467.28	6407.28
23	Rate and Pack size of Additional Parameter 3-Gamma GT <i>Model & Make : Test Count - 338 T</i>	3286 Incl.GST :5%	258.5	3544.5
24	Rate and Pack size of Additional Parameter 4- LDH-P <i>Model & Make : Test Count - 338 T</i>	3286 Incl.GST :5%	258.5	3544.5
25	Rate and Pack size of Additional Parameter 5-Magnesium <i>Model & Make : Test Count - 192 T</i>	716.4 Incl.GST :5%	56.36	772.76

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26	Rate and Pack size of Additional Parameter 6-ASO <i>Model & Make : Test Count - 168 T</i>	5622.75 Incl.GST :5%	442.32	6065.07
27	Rate and Pack size of Additional Parameter 7-CRP <i>Model & Make : Test Count - 242 T</i>	7938.36 Incl.GST :5%	624.48	8562.84
28	Rate for Calibrator solution (available pack size is 15 ml)	4740.75 Incl.GST :5%	372.94	5113.69
29	Rate for wash solution (available pack size is 1000 ml)	1638 Incl.GST :5%	128.86	1766.86
30	Rate for Cuvette (available pack size is 120 Nos)	21381.6 Incl.GST :18%	1496.71	22878.31
31	Rate for Sample cup (available pack size is 1000 Nos)	1180 Incl.GST :18%	82.6	1262.6
32	Rate for tubing kit (available pack size is 1 Nos)	73160 Incl.GST :18%	5121.2	78281.2
33	Rate for Lamp (available pack size is 1 Nos)	8690.7 Incl.GST :18%	608.35	9299.05
34	Cost/ test Additional paramter 8 HBaic Direct	89.06 Incl.GST :5%	7.01	96.07
35	Cost/ test Additional paramter 10 (As per the specifictrians) inclusive of GST RF	44.43 Incl.GST :5%	3.49	47.92
36	Cost/ test Additional paramter 9 (As per the specifictrians) Micro albumin	53.6 Incl.GST :5%	4.22	57.82
37	Cost/ test Additional paramter 7 (As per the specifictrians) inclusive of GST	32.8 Incl.GST :5%	2.58	35.38
38	Cost/ test Additional paramter 6 (As per the specifictrians) inclusive of GST	33.47 Incl.GST :5%	2.63	36.1
39	Cost/ test Additional paramter 5 (As per the specifictrians) inclusive of GST	3.73 Incl.GST :5%	0.29	4.02
40	Cost/ test Additional paramter 4 (As per the specifictrians) inclusive of GST	9.72 Incl.GST :5%	0.76	10.48
41	Cost/ test Additional paramter 3 (As per the specifictrians) inclusive of GST	9.72 Incl.GST :5%	0.76	10.48
42	Cost/ test Additional paramter 2 (As per the specifictrians) inclusive of GST	8.25 Incl.GST :5%	0.65	8.9

Item-wise Price Details				
43	Cost/ test Additional paramter 1 (As per the specifictcions) inclusive of GST	20.97 Incl.GST :5%	1.65	22.62
44	Cost/ test Lipase (As per the specifictcions) inclusive of GST	7.14 Incl.GST :5%	0.56	7.7
45	Cost/ test Amylase (As per the specifictcions) inclusive of GST	4.87 Incl.GST :5%	0.38	5.25
46	Cost/ test Phosphorous (As per the specifictcions) inclusive of GST	1.1 Incl.GST :5%	0.09	1.19
47	Cost/ test Calcium (As per the specifictcions) inclusive of GST	1.01 Incl.GST :5%	0.08	1.09
48	Cost/ test Bilirubin - Direct (As per the specifictcions) inclusive of GST	1.1 Incl.GST :5%	0.09	1.19
49	Cost/ test Bilirubin - Total (As per the specifictcions) inclusive of GST	1.1 Incl.GST :5%	0.09	1.19
50	Cost/ test Alkaline Phosphatase (As per the specifictcions) inclusive of GST	0.69 Incl.GST :5%	0.05	0.74
51	Cost/ test SGPT (As per the specifictcions) inclusive of GST	0.83 Incl.GST :5%	0.07	0.9
52	Cost/ test SGOT (As per the specifictcions) inclusive of GST	0.83 Incl.GST :5%	0.07	0.9
53	Cost/ test Albumin (As per the specifictcions) inclusive of GST	0.46 Incl.GST :5%	0.04	0.5
54	Cost/ test Total Protein (As per the specifictcions) inclusive of GST	0.46 Incl.GST :5%	0.04	0.5
55	Cost/ test Uric acid (Uricase method) (As per the specifictcions) inclusive of GST	1.39 Incl.GST :5%	0.11	1.5
56	Cost/ test Triglycerides (As per the specifictcions) inclusive of GST	1.85 Incl.GST :5%	0.15	2
57	Cost/ test LDL(As per the specifictcions) inclusive of GST	7.14 Incl.GST :5%	0.56	7.7

Item-wise Price Details							
58	Cost/ test HDL (As per the specificttrions) inclusive of GST			4.03 Incl.GST :5%	0.32	4.35	
59	Cost/ test Cholesterol (Cholesterol Esterase) (As per the specificttrions) inclusive of GST			0.83 Incl.GST :5%	0.07	0.9	
60	Cost/ test Glucose (Hexokinase) (As per the specificttrions) inclusive of GST			1.85 Incl.GST :5%	0.15	2	
61	Cost/ test Creatinine (Modified Jaffe) (As per the specificttrions) inclusive of GST			0.46 Incl.GST :5%	0.04	0.5	
62	Cost/ test Urea (GLDH method) (As per the specificttrions) inclusive of GST			1.07 Incl.GST :5%	0.08	1.15	
63	Rate and Pack size of Addional Parameter 8 Hbaic <i>Model & Make : Test count 230 T</i>			20484.38 Incl.GST :5%	1611.44	22095.82	
64	Rate and Pack size of Addional Parameter 9 Micro albumin <i>Model & Make : Test count 152 T</i>			8148.15 Incl.GST :5%	640.99	8789.14	
65	Rate and Pack size of Addional Parameter 10 RF <i>Model & Make : Test count 168 T</i>			7463.93 Incl.GST :5%	587.16	8051.09	
				1169937.38	91130.17	1261067.55	
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	26,000.00	26,000.00	26,000.00	26,000.00	26,000.00	26,000.00	26,000.00
Comprehensi ve	43,000.00	43,000.00	43,000.00	43,000.00	43,000.00	43,000.00	43,000.00

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 5.00% 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

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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 5 or more
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. The offered Equipment is compatible with the Kerala e Health HMS for Lab integration.
30. Desktop computer (if required) suitable for use with the equipment along with wcomputer table shall be supplied. The UPS for the computer shall also be supplied.
31. Consumable prices should freeze for minimum 5 years. (reagents, cuvette, sample cup, calibrator, wash solution).
32. 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
33. PM kit, Lamp/ lamp assembly, tubing kit shall be provided free of cost during warranty as well as CAMC Period.
34. 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 – $\text{Cost/test} \times \text{No. of tests} \times 30 \text{ days} \times 12 \text{ months} \times 5 \text{ years}$
- 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
35. 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%
36. 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/reportable 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
37. 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.