



Running Contract Details	
Equipment Name	Fully Automated Random Access Clinical Chemistry Analyzer
Running Contract Valid Till	14-07-2021
Tender Ref No	KMSCL/EP/T324/49C/2019(R)
Tendered Quantity	50
Supplier Name	M/s LabX
GST No	32BPSPS6759C1ZE
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	
Opp. SFS Tiara Apartments Near Burma Road Jn. Kumarapuram Medical College P.O Thiruvananthapuram	Contact Person	Mr. Arun
	Phone	471 2447639
	Mobile No	9446004066 ,9446002066
	Email	info@labx.in ,sales@labx.in

Item-wise Price Details				
#	Item Details	Unit Rate (Incl.all taxes & charges)	Service Charges (Through KMSCL)	Grand Total
1	Fully Automated Random Access Clinical Chemistry Analyzer <i>Model & Make : Cobas 501 / Roche Diagnostics GmbH</i>	2950000 Incl.GST :18%	206500	3156500
2	Cost/ test Urea (GLDH method) Rate fixed for Five years from 15-07-2019	3.36 Incl.GST :0%	0.28	3.64
3	Cost/ test Creatinine (Enzymatic) Rate fixed for Five years from 15-07-2019	2.24 Incl.GST :0%	0.19	2.43
4	Cost/ test Glucose (Hexokinase) Rate fixed for Five years from 15-07-2019	1.12 Incl.GST :0%	0.09	1.21
5	Cost/ test Cholesterol (CHOD) Rate fixed for Five years from 15-07-2019	2.8 Incl.GST :0%	0.23	3.03

Item-wise Price Details				
6	Cost/ test HDL Rate fixed for Five years from 15-07-2019	15.68 Incl.GST :0%	1.3	16.98
7	Cost/ test LDL Rate fixed for Five years from 15-07-2019	33.6 Incl.GST :0%	2.78	36.38
8	Cost/ test Triglycerides Rate fixed for Five years from 15-07-2019	4.7 Incl.GST :0%	0.39	5.09
9	Cost/ test Uric acid (Uricase method) Rate fixed for Five years from 15-07-2019	4.06 Incl.GST :0%	0.34	4.4
10	Cost/ test Total Protein Rate fixed for Five years from 15-07-2019	2.24 Incl.GST :0%	0.19	2.43
11	Cost/ test Albumin Rate fixed for Five years from 15-07-2019	2.43 Incl.GST :0%	0.2	2.63
12	Cost/ test SGOT Rate fixed for Five years from 15-07-2019	2.8 Incl.GST :0%	0.23	3.03
13	Cost/ test SGPT Rate fixed for Five years from 15-07-2019	2.8 Incl.GST :0%	0.23	3.03
14	Cost/ test Alkaline Phosphatase Rate fixed for Five years from 15-07-2019	3.35 Incl.GST :0%	0.28	3.63
15	Cost/ test Bilirubin - Total Rate fixed for Five years from 15-07-2019	2.8 Incl.GST :0%	0.23	3.03
16	Cost/ test Bilirubin - Direct Rate fixed for Five years from 15-07-2019	2.8 Incl.GST :0%	0.23	3.03
17	Cost/ test Calcium Rate fixed for Five years from 15-07-2019	5.04 Incl.GST :0%	0.42	5.46
18	Cost/ test Phosphorous Rate fixed for Five years from 15-07-2019	3.36 Incl.GST :0%	0.28	3.64
19	Cost/ test Amylase Rate fixed for Five years from 15-07-2019	11.2 Incl.GST :0%	0.93	12.13
20	Cost/ test Lipase Rate fixed for Five years from 15-07-2019	33.6 Incl.GST :0%	2.78	36.38

Item-wise Price Details				
21	Cost/ test HbA1c Rate fixed for Five years from 15-07-2019	84 Incl.GST :0%	6.94	90.94
22	Cost/ test Sodium Rate fixed for Five years from 15-07-2019	1.94 Incl.GST :0%	0.16	2.1
23	Cost/ test Potassium Rate fixed for Five years from 15-07-2019	1.94 Incl.GST :0%	0.16	2.1
24	Rate and Pack size of Urea (GLDH method) (in ml/ no. of tests) 500 tests (Rate fixed for Five years from 15-07-2019)	1680 Incl.GST :12%	123.9	1803.9
25	Rate and Pack size of Creatinine (Enzymatic) (in ml/ no. of tests) 250 tests (Rate fixed for Five years from 15-07-2019)	560 Incl.GST :12%	41.3	601.3
26	Rate and Pack size of Glucose (Hexokinase) (in ml/ no. of tests) 800 tests (Rate fixed for Five years from 15-07-2019)	896 Incl.GST :12%	66.08	962.08
27	Rate and Pack size of Cholesterol (CHOD) (in ml/ no. of tests) 400 tests (Rate fixed for Five years from 15-07-2019)	1120 Incl.GST :12%	82.6	1202.6
28	Rate and Pack size of HDL (in ml/ no. of tests) 350 tests (Rate fixed for Five years from 15-07-2019)	5488 Incl.GST :12%	404.74	5892.74
29	Rate and Pack size of LDL (in ml/ no. of tests) 200 tests (Rate fixed for Five years from 15-07-2019)	6720 Incl.GST :12%	495.6	7215.6
30	Rate and Pack size of Triglycerides (in ml/ no. of tests) 250 tests (Rate fixed for Five years from 15-07-2019)	1176 Incl.GST :12%	86.73	1262.73
31	Rate and Pack size of Uric acid (Uricase method) (in ml/ no. of tests) 400 tests (Rate fixed for Five years from 15-07-2019)	1624 Incl.GST :12%	119.77	1743.77
32	Rate and Pack size of Total Protien (in ml/ no. of tests) 300 tests (Rate fixed for Five years from 15-07-2019)	672 Incl.GST :12%	49.56	721.56
33	Rate and Pack size of Albumin (in ml/ no. of tests) 300 tests (Rate fixed for Five years from 15-07-2019)	729.12 Incl.GST :12%	53.77	782.89

Item-wise Price Details				
34	Rate and Pack size of SGOT (in ml/ no. of tests) 500 tests (Rate fixed for Five years from 15-07-2019)	1400 Incl.GST :12%	103.25	1503.25
35	Rate and Pack size of SGPT (in ml/ no. of tests) 500 tests (Rate fixed for Five years from 15-07-2019)	1400 Incl.GST :12%	103.25	1503.25
36	Rate and Pack size of Alakline Phosphatase (in ml/ no. of tests) 400 tests (Rate fixed for Five years from 15-07-2019)	1340.64 Incl.GST :12%	98.87	1439.51
37	Rate and Pack size of Bilirubin Total (in ml/ no. of tests) 250 tests (Rate fixed for Five years from 15-07-2019)	700 Incl.GST :12%	51.63	751.63
38	Rate and Pack size of Bilirubin Direct (in ml/ no. of tests) 350 tests (Rate fixed for Five years from 15-07-2019)	980 Incl.GST :12%	72.28	1052.28
39	Rate and Pack size of Calcium (in ml/ no. of tests) 300 tests (Rate fixed for Five years from 15-07-2019)	1512 Incl.GST :12%	111.51	1623.51
40	Rate and Pack size of Phosphorous (in ml/ no. of tests) 250 tests (Rate fixed for Five years from 15-07-2019)	840 Incl.GST :12%	61.95	901.95
41	Rate and Pack size of Amylase (in ml/ no. of tests) 300 tests (Rate fixed for Five years from 15-07-2019)	3360 Incl.GST :12%	247.8	3607.8
42	Rate and Pack size of Lipase (in ml/ no. of tests) 200 tests (Rate fixed for Five years from 15-07-2019)	6720 Incl.GST :12%	495.6	7215.6
43	Rate and Pack size of HbA1c (in ml/ no. of tests) 150 tests (Rate fixed for Five years from 15-07-2019)	12600 Incl.GST :12%	929.25	13529.25
44	Rate and Pack size of Additional Parameter 1 (in ml/ no. of tests) ISE Diluent Gen. 2, Cobas c, Hitachi (For Sodium & Pottassium) (5*300 ml) (Rate fixed for Five years from 15-07-2019)	4480 Incl.GST :12%	330.4	4810.4
45	Rate and Pack size of Additional Parameter 2 (in ml/ no. of tests) ISE Int. Stand. Gen 2 Cobas c, Hitachi (For Sodium & Pottassium) (5*600 ml) (Rate fixed for Five years from 15-07-2019)	4480 Incl.GST :12%	330.4	4810.4

Item-wise Price Details				
46	Rate and Pack size of Additional Parameter 3 (in ml/ no. of tests) ISE Reference Electrolyte (For Sodium & Pottassium) (5*300 ml) (Rate fixed for Five years from 15-07-2019)	4480 Incl.GST :12%	330.4	4810.4
47	Rate and Pack size of Additional Parameter 4 (in ml/ no. of tests) ISE Standard. High (For Sodium & Pottassium) 10x3 ml (Rate fixed for Five years from 15-07-2019)	2240 Incl.GST :12%	165.2	2405.2
48	Rate and Pack size of Additional Parameter 5 (in ml/ no. of tests) ISE Standard Low. (For Sodium & Pottassium) (10*3 ml) (Rate fixed for Five years from 15-07-2019)	2240 Incl.GST :12%	165.2	2405.2
49	Rate and Pack size of Additional Parameter 6 (in ml/ no. of tests) Activator for Cobas C (For Sodium & Pottassium) (9*12 ml) (Rate fixed for Five years from 15-07-2019)	4480 Incl.GST :12%	330.4	4810.4
50	Rate for one Sample cup 1000 cups (Rate fixed for Five years from 15-07-2019)	2.36 Incl.GST :18%	0.17	2.53
		3024147.98	211970.42	3236118.4

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 Random Access Clinical Chemistry Analyzer							
Labour	50,000.00	50,000.00	50,000.00	50,000.00	50,000.00	50,000.00	50,000.00
Comprehensive	1,00,000.00	1,00,000.00	1,00,000.00	1,00,000.00	1,00,000.00	1,00,000.00	1,00,000.00

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 :Fully Automated Random Access Clinical Chemistry Analyzer

1. Should be floor model type/ bench type with stand.
2. System should be discrete, fully automated, random access for routine blood chemistry and special parameters from whole blood, serum, plasma, CSF and urine sample.
3. Through put should be at least 600 for photometry & at least 300 for ISE.
4. Should have ability to analyze HBA1c.
5. The number of onboard programs should be 80 or more.
6. Should have onboard sample capacity 100 or more.
7. Should have user definable STAT positions.
8. Sample volume should be <50?l for the following routine chemistry - Urea (GLDH method), Uric acid (Uricase method), Creatinine (Enzymatic), Glucose (Hexokinase), Cholesterol (CHOD), Total Protein, Albumin, SGOT, SGPT, Alkaline phosphatase, Bilirubin – Total, Bilirubin - Direct, Calcium, Phosphorous, Sodium, Potassium.
9. On board sample dilution should be available (1 to 40 times).
10. Should have facility to keep reagent bottles for minimum 40 common tests with onboard refrigeration.
11. Should have on board washing facility with reusable cuvettes/ disposable cuvettes.
12. Should have facility to avoid carry over contamination and to reduce water consumption
13. System should have clot & bubble detection facility.
14. System should have sample level sensing technology.
15. Should have facility for reagent level sensing/ indicating the remaining number of tests.
16. System should have the facility to detect lysed, lipemic& icteric samples.
17. System should have the facility for reflex testing.
18. Should have flexibility to use different sample containers like primary tubes with different sizes, sample cups, micro cups and cup on tube for easy processing.
19. Should have diffraction grating for minimum 12 wave length ranging from 340 to 800 + or - 2 nanometer spectrophotometer for mono and dichromatic measurements.
20. Should provide a computer with accessories if required for the operation of the machine.
21. Should provide a laser printer for taking result print outs.
22. Should provide an online UPS with one hour backup.
23. Should have onboard data storage minimum for 5000 samples and quality control data for 250.
24. 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.

25. The reaction cuvette must be reusable/ disposable. The reaction cuvettes should be replaced at free of cost when ever required during the warranty period and CAMC period. The reaction cuvettes should be replaced at free of cost when ever required if the reagents are purchased from the supplier.

26. 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.

27. Free maintenance of the water plant including any replacement should be covered under the warranty period & CAMC Period.

28. Consumable prices should freeze for minimum 5 years (reagents, sample cup, calibrator, wash solution, electrodes, other consumables, etc).

29. Should provide reagents for

a. 1000 test - Urea, Creatinine, Glucose

b. 500 tests - Uric acid, Cholesterol, Total Protein, albumin, SGOT, SGPT, Alkaline phosphatase, Bilirubin (Total & Direct), Sodium, Potassium

c. Calibrators – 3 ml x 10 nos.

30. Water consumption should be < 40 L per hour.

31. 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

32. 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 (Enzymatic), Glucose (Hexokinase), Cholesterol (CHOD), HDL, LDL, Triglycerides, Total Protein, Albumin, SGOT, SGPT, Alkaline phosphatase, Bilirubin – Total, Bilirubin - Direct, Calcium, Phosphorous, Amylase, Lipase, HbA1c, Sodium, Potassium 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.

33. The tenderer should have various pack sizes for all reagents. 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

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

Urea (GLDH method), Creatinine (Enzymatic), Glucose (Hexokinase), Cholesterol (CHOD), Sodium, Potassium – for L1 calculation no. of tests are taken 350 per day

Uric acid (Uricase method), HDL, LDL, Triglycerides, Total Protein, Albumin, SGOT, SGPT, Alkaline phosphatase, Bilirubin – Total, Bilirubin - Direct, Calcium, Phosphorous, Amylase, Lipase, HbA1c - 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 & L2 QC – less than 5%

b. Creatinine – L1 & L2 QC – less than 10%

c. SGOT – L1 & L2 QC – less than 10%

d. Sodium - L1 & L2 QC – less than 3%

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%

d. Sodium – less than 2%

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

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

38. Should supply variable micro pipettes 50 – 500 and 100 - 1000 micro litre (one each) manufactured by Thermo Fisher/ Eppendorf/ Gilson/ Sartorius

39. Should be supplied with 50,000 sample cups

40. 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.