KERALA MEDICAL SERVICES CORPORATION LTD
(A Government of Kerala Undertaking)
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CIN: U24233KL200TSGC021616, PAN : AADCK4029M, GSTIN : 32AADCK4029M1ZK

Running Contract Details	
Equipment Name	Reagent Rental Contract - Fully Automated Immuno hematology Analyser Model B
Running Contract Valid Till	02-08-2025
Tender Ref No	KMSCL/EP/T408/1565B/2021
Tendered Quantity	20
Supplier Name	M/s Ortho Clinical Diagnostics India Pvt Ltd
GST No	27AACCO1231C1Z3
Installation & Delivery Period	6 Week(s)
Up-time / PM vist	95% & 0 Visits per year
Warranty period	0 Years

Supplier`s Details		
Address	**Contact Details**	
Unit No:403 4th Floor Leela Business Park Andheri Kurla Road Maharashtra400059	Contact Person	Mr. Sandeep K
	Phone	2267879300
	Mobile No	9846866679
	Email	sandeep.k@orthoclinicaldiagnostics.com

Item-wise Price Details

#	Item Details	Unit Rate (Incl.all taxes & charges)	Service Charges (Through KMSCL)	Grand Total
1	Cost of one reportable test of Forward Blood Grouping(Available pack Size 20) *Model & Make : Ortho Vision Swift TECAN Schweiz AG, Switzerland (Actual Manufacturer). Ortho Clinical Diagnostics, UK (Legal Manufacturer*	35.91 Incl.GST :5%	2.82	38.73
2	**Cost of one reportable test of Reverse Blood Grouping with A,B and O cells (Available Pack Size 20)**	28.35 Incl.GST :5%	2.23	30.58
3	**Cost of one reportable test of Cross matching(Available Pack Size 20)**	24.57 Incl.GST :5%	1.93	26.5
4	**Cost Of one reportable test of Donor antibody screening with pooled O cells(Available Pack Size 20)**	24.57 Incl.GST :5%	1.93	26.5

Item-wise Price Details				
5	**Cost of one reportable test of Patient antibody screening (3 cell)(Available Pack Size 20)**	73.71 Incl.GST :5%	5.8	79.51
6	**Cost of one reportable test of Patient antibody identification (11 cells)(Available Pack Size 20)**	351.54 Incl.GST :5%	27.65	379.19
7	**Cost of one reportable test of Forward and Reverse Grouping including O cells (Available Pack Size 20)**	64.26 Incl.GST :5%	5.06	69.32
8	**Cost of one reportable test of Weak D testing (Available Pack Size 20)**	33.55 Incl.GST :5%	2.64	36.19
9	**Cost of one reportable test of Direct Coombs test (Available Pack Size 20)**	24.57 Incl.GST :5%	1.93	26.5
10	**Cost of one reportable test of Indirect Coombs test (Available Pack Size 20)**	24.57 Incl.GST :5%	1.93	26.5
11	**Cost of one dilution of Antibody titration (IgG/ IgM type)(Available Pack Size 20)**	21.27 Incl.GST :5%	1.67	22.94
12	**Cost of one reportable test of Rh phenotyping including Kell (Available Pack Size 20)**	162 Incl.GST :5%	12.74	174.74
13	**Cost of one reportable test of Extended phenotyping (Jka, Jkb, Fya, Fyb, M, N, S)(Available Pack Size 20)**	869.48 Incl.GST :5%	68.4	937.88
		1738.35	**136.75**	**1875.1**

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 3.00% 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 :Cost of one reportable test of Forward Blood Grouping(Available pack Size 20)

Reagent Rental Contract - Fully Automated Immunohematology Analyser - Model B

I. **General**

1. The bidder should offer the **cost/ one reportable test** of various test parameters given below in the BOQ. The L1 shall be calculated based on the average workload mentioned and the same shall be automatically done by the BOQ (Cost/ 1 reportable test x Per year Work Load x 3). The details of the parameters and the workload for BOQ L1 calculation (Actual workload of user institution may vary) is as follows;

Sl. No	•	The workload for L1 Calculation per year
a	Forward Blood Grouping	1.
b	Reverse Blood Grouping with A, B, and O cells	1.
c	Forward and Reverse Grouping including O cells	1.
d	Cross-matching	1.
e	Donor antibody screening with pooled O cells	1.
f	Patient antibody screening (3 cells)	1.
g	Patient antibody identification (11 cells)	1.
h	Weak D testing	1.
i	Direct Coombs test	1.
j	Indirect Coombs test	1.
k	Antibody titration (IgG/ IgM type) Bidders are requested to offer cost per dilutions	1.
l	Rh phenotyping including Kell	1.
m	Extended phenotyping (Jka, Jkb, Fya, Fyb, M, N, S)	1.

1. The bidder should install brand new system/ systems to conduct all the tests mentioned above along with all necessary supporting brand new equipments/ items such as;
    a. Online UPS with a minimum of half an hour back up
    b. Desktop Computer (minimum requirements: Original O S, i5 processor, 4 GB RAM, 1 TB HDD, 17 inch Monitor with touch screen, Original Microsoft Office) with UPS of minimum 20 minutes back up.
    c. Laser printer.
    d. Computer table made up of wood
2. The upkeeping of all systems/systems along with supporting equipment is the sole responsibility of the bidder and the spares/ consumables needed for these shall also be provided by the bidder.
3. The calibrators for equipment and other equipment shall be provided free of cost and calibrations shall also be done as per the manufacturer's recommendations. A copy of the necessary reports of the same shall be provided to the user institutions for obtaining the quality certifications of the lab.
4. All the necessary items other than the test reagents shall be provided by the bidder free of cost including the calibrators, Preventive Maintenance Kits, Spares/ consumables, Tubing, Light sources or any other such things. If any equipment/ item not mentioned here and needed for getting the test results shall be provided free of cost.
5. The user institution/ KMSCL shall place order for reagents and kits only.
6. The equipment should be able to connect to the hospital or lab network system/ LIS/ HIS and should be able to communicate real-time bidirectionally. Necessary software and hardware shall be provided free of cost.
7. The period of contract shall be 3 years from the date of contract start date which may extend to 5 years depending upon the need. The agreement if needed shall be signed in between the user institution / KMSCL and the bidder only.
8. The user institution/ bidder can withdraw from the agreement by giving advance notice of intimation for a period of 180 days.
9. The bidder should be able to supply the kits & reagents for the test parameters as when required – within 14 days from the date

of intimation.
10. The invoices can be done based on the monthly order and the and the In-charge Medical Officer can provide the monthly requirements to the supplier based on the workload analysis.
11. The bidder should declare the available pack size of all test parameters in the Offer Form.
12. The period of contract shall be start only after the successful installation and completion of training of the system only.
13. Any up-gradation of the system/software shall be provided free of cost during the contract period
14. Complaints/ breakdown calls should be attended to properly within 12 hours. In case, the repair/ fault duration is likely to exceed 5 days, the bidder shall arrange a standby equipment of the same make and model as a stopgap arrangement till the repair/ fault is rectified and the standby equipment shall perform in the same manner as regards new equipment.
15. All the reagents/ consumables should have 3 months shelf life except red cells at the time of supply.

I. <u>Specifications for Fully Automated Immunohematology Analyser</u>

1. Fully automated, random access benchtop analyzer with reagents based on Column Agglutination Technology (CAT), capable of performing blood grouping, patient- donor cross matching, antibody screening, antibody identification, antibody titration, rare antigen phenotyping and special antigen testing.
2. The system offered should be the latest in automation & technology.
3. The analyzer should have Automatic test processing functions including liquid pipetting, reagent handling, incubation, centrifugation, reaction grading, interpretation of results and data management requirements including archiving of results and auto reflex testing mode.
4. The analyzer should be a standalone instrument with the capability to be interfaced to the Laboratory Information System (LIS) or Hospital Information System (HIS).
5. The analyzer should have continuous, Random, STAT access and batch mode for processing samples and test. The analyzer should have a **STAT facility** for emergency samples.
6. The analyzer should have a capacity for at least 40 samples at a time, with the facility for random positioning and continuous loading of samples.
7. The instrument should perform automatic serial dilution of the sample for antibody titration.
8. The cross-matching test, performed by the instrument, should detect both IgM (ABO incompatibility) and IgG antibodies in single and same test.
9. Dual cell population/ Mixed field reaction is detectable and displayed.
10. The system should perform single unit cross-match by using only 1 column without wasting additional columns.
11. The system should be able to use partially used cassettes, previously loaded onto the system.
12. The instrument should have complete traceability for each and every steps performed by the instrument during performing a test.
13. The system should have foil puncher for piercing foil of single column of AHG cassette during cross-matching and DAT.
14. It should have 2 integrated card Centrifuge on board for faster throughput independent of each other. Emergency samples can be handled immediately with a minimum centrifugation time of 10 mins or lesser.
15. The instrument should have 37^0 C incubator with a minimum incubation time of 15 minutes or lesser.
16. The system should allow for random loading of column agglutination cassettes via the distinct separate doors, with automatic inventory management.
17. The analyzer should have the capability to load select cells from panels for antibody identification.
18. The analyzer should be able to do positive barcode identification of samples and reagents. Should have barcode identification from the primary tube through to the final test result - Full traceability for samples and reagents.
19. The analyzer should have clearly demarcated areas for sample loading, reagent loading, and incubator with provision for RT (room temperature) and 37°C incubation, centrifuge and read station with CCD color camera, automatic waste disposal management and waste bin. Should have waste containers within the system.
20. The analyzer should have a board cooling system for reagent red cells.
21. The analyzer should allow for flexible and unrestricted reagent positioning and reagent lot management with the capability of performing automatic onboard inventory management with notification for insufficient levels.
22. The system should have dedicated Quality Control to run and check the system and the column Agglutination cards and the software should monitor the Lot Number & Expiry of the Reagents.
23. The analyzer should have critical process monitoring features, providing for complete management of system maintenance and quality control. Should maintain a log of maintenance like daily, weekly etc.
24. The analyzer should be able to run multiple parameters at the same time without compromising the throughput or efficiency of the system.
25. The system should have flexible sample tube type loading. It should have the facility of identifying different types of sample

tubes: normal tubes, plunger tubes, pediatric tubes.

26. The system should be capable of handling different sample types like centrifuge whole blood, packed red blood cells, serum and plasma.
27. The system should be capable of accommodating different reagents with varying vial capacities.
28. The system should automatically check the sample conformity for clot detection, liquid level detection and check dilution tray position and wells used for RBC suspension.
29. The system should be able to confirm the validity of results, track and log user acceptance or modification of results, calibrate the cassette reader, and archive all results for later review and audit.
30. The system software must have the capability to diagnose the hardware performance using dedicated software with the provision to log all activities for full traceability.
31. The software should be able to show real-time schedule and finishing time.
32. The software should have different security levels for different users of the system.
33. The image of the test result displayed on the computer screen should be the colored image.
34. Should be CE marked.
35. Should have IVD compliance.
36. The manufacture should provide phenotyping reagents for C, c, E, e, JKa, JKb, M, N, S, Fya, Fyb, K and same should be available for demonstration.
37. The manufacture should provide an Antibody identification panel, Extended cell panel, Enzyme panel etc of their own making in 2 weeks' notice within an advance forecasting for next one year.
38. Client tale list of reputed blood centers in India/ South India with an annual collection more than 20000 should be attached.
39. Service support should be available immediately during system breakdowns and dedicated technical support should be available 24 x 7.
40. The additional facilities except space required for installation should be given by the supplier.
41. The wastage of reagents happening due to false-positive results and inconclusive results should be replaced with new reagents by the supplier.
42. All the reagents required for equipment and maintenance should be provided free of cost. Reagent red cells for blood grouping and antibody screening also should be provided free of cost equivalent to the number of tests performed.