



Running Contract Details	
Equipment Name	Fully Automated Immuno Hematology Analyser-Reagent Rental Contract
Running Contract Valid Till	13-02-2024
Tender Ref No	KMSCL/EP/T416/1565A/2021
Tendered Quantity	20
Supplier Name	M/s ASA DIAGNOSTICS
GST No	33ADGPJ8157J1ZC
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	
No.1 14th Cross Street Shastri Nagar Adyar Chennai 600020	Contact Person	Mr. Jayaraj
	Phone	044-42185119
	Mobile No	9884347814
	Email	jayaraj@asadiagnostics.com

Item-wise Price Details				
#	Item Details	Unit Rate (Incl.all taxes & charges)	Service Charges (Through KMSCL)	Grand Total
1	<b>Cost/1 reportable test of ABO grouping 12 well forward and reverse</b>	71.9 Incl.GST :12%	5.3	77.2
2	<b>Cost/1 reportable test of RH typing D1</b>	50.4 Incl.GST :12%	3.72	54.12
3	<b>Cost/1 reportable test of Indirect Antiglobulin test with pooled O cells/pooled screen cells</b>	33.6 Incl.GST :12%	2.48	36.08
4	<b>Cost/1 reportable test of Direct Antiglobulin Test</b>	48.16 Incl.GST :12%	3.55	51.71
5	<b>Cost/1 reportable test of Cross matching</b>	33.6 Incl.GST :12%	2.48	36.08
6	<b>Cost/1 reportable test of Antibody screening 3 cell</b>	100.8 Incl.GST :12%	7.43	108.23

<b>Item-wise Price Details</b>				
7	<b>Cost/1 reportable test of Antibody identification- 11 cell</b>	501.49 Incl.GST :12%	36.98	538.47
8	<b>Cost/1 reportable test of RH &amp; kell phenotyping</b>	120.96 Incl.GST :12%	8.92	129.88
9	<b>Cost/1 reportable test of Minor phenotyping for clinically significant antigens</b>	532 Incl.GST :12%	39.24	571.24
10	<b>Cost/1 reportable test of Platelet antibody screen</b>	3248 Incl.GST :12%	239.54	3487.54
11	<b>Cost/1 reportable test of Platelet cross match</b>	481.6 Incl.GST :12%	35.52	517.12
12	<b>Cost/1 reportable test of Antibody titre</b>	133.59 Incl.GST :12%	9.85	143.44
		<b>5356.1</b>	<b>395.01</b>	<b>5751.11</b>

### **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 :Fully Automated Immuno Hematology Analyser-Reagent Rental Contract**

##### **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 work load for BOQ L1 calculation (Actual workload of user institution may vary) is as follows;
  - a. ABO grouping 12 well – Forward and reverse - 2000/ year
  - b. Rh typing D1 - 2,000/ year
  - c. Indirect Antiglobulin test with pooled O cells/pooled screen cells - 500/ year
  - d. Direct Antiglobulin Test - 500/ year
  - e. Cross matching - 500/ year
  - f. Antibody screening 3 cell - 500/ year

- g. Antibody identification-11 cell - 200/ year.
- h. Rh and Kell phenotyping - 2000/ year
- i. Minor phenotyping for clinically significant antigens - 2500/ year
- j. Platelet antibody screen - 25/ year
- k. Platelet cross match - 30/ year
- l. Antibody titre - 100/ year

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 minimum 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
  - e. Barcode printer system
2. The up keeping of all system/ system along with supporting equipments is the sole responsibility of bidder and the spares/ consumables needed for these shall also be provided by the bidder.
3. The calibrators for system/ systems and other equipments shall be provided free of cost and calibrations shall also be done as per the manufacturer's recommendations. The 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 5 part QC, 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 system/ system should be able to connect to the hospital or lab network system/ LIS/ HIS and should be able to communicate real time bidirectional. Necessary software's and hardware's 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 an 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 7 days from the date of intimation.
10. The invoices shall be raised every month. The number of reportable test conducted shall be certified by the in charge Medical Officer.
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 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 at the time of supply.

### **I. Fully Automated Immuno Hematology Analyser**

1. Fully automated continuous random access system for performing blood grouping, cross matching, minor phenotyping, antibody screening, IAT, DAT, antibody identification, elution, donor pooled antibody screening, antibody titres
2. System should be based on SPRCA/ EM Technology/ microplate
3. The system should be easily movable floor standing model
4. System should have capacity to load 150 samples or more at a given point of time.
5. Should have STAT facility for emergency sample.
6. System should be able to run platelet cross match, platelet antibody screening.
7. Should have blood grouping (A-B-AB-D1-D2-CTRL-A1CELLS-BCELLS-A2CELLS-OCELLS-Autoctrl) & Antibody screening (Three cell panel) and identification 11 cell or more, Also phenotyping for Rb C, c, E, e, Jk<sup>e</sup>, Jk<sup>b</sup>, M, N, S, Fy<sup>e</sup>, Fy<sup>b</sup>, K, Cw should be possible.
8. Should have at least two months shelf life for antibody screening and identification panels from the date of supply.
9. Should be able to perform igG and igM Titres in automated fashion.
10. System should be able to perform automatic serial dilution of samples for antibody Titres.
11. System should be able to run multiple parameters at the same time without compromising the throughput or efficiency.

12. System should have two separate pipetting arms for pipetting the reagents and samples.
13. System should be able to read plate/ card barcodes automatically.
14. Should have the facility of automatically performing weak D testing for Rh negative samples.
15. System should be able to check on board reagent inventory before starting the run and alert in case of absence of reagent.
16. The cards/ plate should be stable at room temperature.
17. System should have facility to load plates/ cards continuously during the run.
18. Should have continuous refilling of system liquid (without interruption) and waste removal.
19. Should be able to give grading of reactions.
20. The system should have provision to use in-house prepared reagents also.
21. Should have safety certificate from a competent authority CE issued by a notified body registered in the European commission / FDA (US). Copy of the certificate shall be produced along with the technical bid.