



Running Contract Details	
Equipment Name	HLA Typing System
Running Contract Valid Till	20-11-2026
Tender Ref No	KMSCL/EP/T544/1278/2024
Tendered Quantity	3
Supplier Name	M/s CPC Diagnostics Pvt Ltd
GST No	32ACTFS1797H1ZK
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	
No. 9 & 10 Vth Floor Gokul Towers C P Ramaswamy Road Alwarpet Chennai-600018.	Contact Person	Arun Kumar
	Phone	044 28351475
	Mobile No	9884488381
	Email	sales@cpcdiagnostics.in

Item-wise Price Details				
#	Item Details	Unit Rate (Incl.all taxes & charges)	Service Charges (Through KMSCL)	Grand Total
1	HLA Typing System <i>Model & Make : labscan3d(flexmap)/Luminex Corporation</i>	5428000 Incl.GST :18%	379960	5807960
2	HLA A Typing . Rate to perform 1 test (which include all the necessary machine specific reagents and consumables to perform the test) Rate should be offered incl. of GST.	1626.24 Incl.GST :12%	119.94	1746.18
3	HLA B Typing . Rate to perform 1 test (which include all the necessary machine specoific reagents and consumables to perform the test) Rate should be offered incl. of GST	1626.24 Incl.GST :12%	119.94	1746.18
4	HLA C Typing . Rate to perform 1 test (which include all the necessary machine specific reagents and consumables to perform the test) Rate should be offered incl. of GST.	1827.84 Incl.GST :12%	134.8	1962.64

Item-wise Price Details				
5	HLA DRB1 Typing . Rate to perform 1 test (which include all the necessary machine specific reagents and consumables to perform the test) Rate should be offered incl. of GST.	1626.24 Incl.GST :12%	119.94	1746.18
6	HLA DRB 3/4/5 Typing . Rate to perform 1 test (which include all the necessary machine specific reagents and consumables to perform the test). Rate should be offered incl. of GST	4888.8 Incl.GST :12%	360.55	5249.35
7	HLA DQA1/B1 Typing . Rate to perform 1 test (which include all the necessary machine specific reagents and consumables to perform the test) Rate should be offered incl. of GST.	1827.84 Incl.GST :12%	134.8	1962.64
8	"HLA DP1A1/B1 Typing . Rate to perform 1 test (which include all the necessary machine specific reagents and consumables to perform the test) Rate should be offered incl. of GST"	4370.24 Incl.GST :12%	322.31	4692.55
9	"PRA Screening (class1 and 2 combined) . Rate to perform 1 test (which include all the necessary machine specific reagents and consumables to perform the test) Rate should be offered incl. of GST"	960.96 Incl.GST :12%	70.87	1031.83
10	"PRA identification with percentage (class1) . Rate to perform 1 test (which include all the necessary machine specific reagents and consumables to perform the test) Rate should be offered incl. of GST"	4412.8 Incl.GST :12%	325.44	4738.24
11	"PRA identification with percentage (class2) .Rate to perform 1 test (which include all the necessary machine specific reagents and consumables to perform the test) Rate should be offered incl. of GST."	3512.32 Incl.GST :12%	259.03	3771.35
12	"single antigen bead assay (class1) . Rate to perform 1 test (which include all the necessary machine specific reagents and consumables to perform the test) Rate should be offered incl. of GST"	12794.88 Incl.GST :12%	943.62	13738.5
13	"single antigen bead assay (class2) . Rate to perform 1 test (which include all the necessary machine specific reagents and consumables to perform the test) Rate should be offered incl. of GST"	9430.4 Incl.GST :12%	695.49	10125.89

Item-wise Price Details				
14	"MICA . Rate to perform 1 test (which include all the necessary machine specific reagents and consumables to perform the test) Rate should be offered incl. of GST"	11449.76 Incl.GST :12%	844.42	12294.18
15	"Compliment assay(anti C1q or C3d) . Rate to perform 1 test (which include all the necessary machine specific reagents and consumables to perform the test) Rate should be offered incl. of GST"	2513.28 Incl.GST :12%	185.35	2698.63
16	"Non HLA antibodies . Rate to perform 1 test (which include all the necessary machine specific reagents and consumables to perform the test) Rate should be offered incl. of GST"	5110.56 Incl.GST :12%	376.9	5487.46
17	"HLA A Typing, - Standard Pack size and Rate to be mentioned"	145200 Incl.GST :12%	10708.5	155908.5
18	HLA B Typing, - Standard Pack size and Rate to be mentioned	145200 Incl.GST :12%	10708.5	155908.5
19	"HLA C Typing, - Standard Pack size and Rate to be mentioned"	182784 Incl.GST :12%	13480.32	196264.32
20	"HLA DRB1 Typing, - Standard Pack size and Rate to be mentioned"	162624 Incl.GST :12%	11993.52	174617.52
21	"HLA DRB 3/4/5 Typing, - Standard Pack size and Rate to be mentioned"	488880 Incl.GST :12%	36054.9	524934.9
22	"HLA DQA1/B1 Typing, - Standard Pack size and Rate to be mentioned"	182784 Incl.GST :12%	13480.32	196264.32
23	"HLA DP1A1/B1 Typing, - Standard Pack size and Rate to be mentioned "	437024 Incl.GST :12%	32230.52	469254.52
24	"PRA Screening (class1 and 2 combined), - Standard Pack size and Rate to be mentioned"	96096 Incl.GST :12%	7087.08	103183.08
25	"PRA identification with percentage (class1, - Standard Pack size and Rate to be mentioned "	110320 Incl.GST :12%	8136.1	118456.1
26	"PRA identification with percentage (class2) - Standard Pack size and Rate to be mentioned "	87808 Incl.GST :12%	6475.84	94283.84

Item-wise Price Details							
27	"Single antigen bead assay (class1) - Standard Pack size and Rate to be mentioned "			319872 Incl.GST :12%	23590.56	343462.56	
28	"single antigen bead assay (class2), - Standard Pack size and Rate to be mentioned"			235760 Incl.GST :12%	17387.3	253147.3	
29	MICA, - Standard Pack size and Rate to be mentioned			286272 Incl.GST :12%	21112.56	307384.56	
30	"Compliment assay(anti C1q or C3d), - Standard Pack size and Rate to be mentioned "			62832 Incl.GST :12%	4633.86	67465.86	
31	"Non HLA antibodies, - Standard Pack size and Rate to be mentioned "			204400 Incl.GST :12%	15074.5	219474.5	
				8643834.4	617127.79	9260962.19	
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
HLA Typing System							
Labour	2,10,000.00	2,10,000.00	2,27,500.00	2,27,500.00	2,45,000.00	2,45,000.00	2,62,500.00
Comprehensive	3,00,000.00	3,00,000.00	3,25,000.00	3,25,000.00	3,50,000.00	3,50,000.00	3,75,000.00

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 :HLA Typing System

Technical Specification

Equipment: HLA Typing System

1. The system should be with Necessary instrumentation to perform HLA antibody screening, Detection of Donor Specific antibodies (Detection of Single antigen class I & II), profiling complement binding antibodies, HLA typing for class I & class II alleles with user-friendly interpretation Compliant Software related to transplantation workflow.
 2. Instrument should be accommodated as a bench top type. Both the instrument and kit offered should be IVD certified.
 3. It should be able to evaluate molecular mismatching and antibody profiling/screening which can improve graft survival and minimize over immunosuppression.
 4. The system should detect almost all HLA alleles, those defined by the WHO Nomenclature Committee for Factors of the HLA system (latest and updated) with minimal ambiguity.
 5. The system must satisfy the most recent version of the Standards for Histocompatibility Testing and comply with the Guidelines for organ transplantation Services followed in India.
 6. The test system should detect HLA alleles with approximately equivalent efficiency and resolution comparable to currently available SSP or reverse SSO HLA typing systems.
 7. Instrument should be able to manage higher resolution HLA typing demands if required and with expanded antibody panels.
 8. It should have all the essential components and all accessories, consumables & equipment with software for making the system fully functional for carrying out HLA antibody screening, Detection of Donor Specific antibodies, profiling complement binding antibodies, HLA typing for class I & class II alleles.
 9. It should have four digit typing results for HLA – A, B, C, DRB1, DRB345 and DQA1/DQB, DPA1/DPB1 antigens of patients and donors.
 10. The following HLA exons should be amplified and with proper internal controls and should be based on bead multiplexing technology or similar
 - a. HLA A: should cover minimum Exons 2, 3, 4 and 5.
 - b. HLA B: should cover minimum Exons 2, 3, 4 and 5.
 - c. HLA C: should cover minimum Exons 2,3,4 and 5,6 and 7.
 - d. HLA DR: should cover minimum Exons 2
 - e. HLA DRB345: should cover minimum Exons 2,3.
 - f. HLA DQA1/DQB1: should cover minimum Exons 2 and 3.
 - g. HLA DPA1: should cover minimum Exons 2.
 - h. HLA DPB1: should cover minimum Exons 2 and 3.
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1. The Mixed Class 1 & 2 antibody screening: shall screen the antibodies and to detect antibodies against HLA Class I, Class II and MICA antigens.
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1. The PRA Class 1 & 2 antibody test: shall detect antibodies specific for HLA A, B, C, DR, DQ and DP antigens and be able to determine % PRA accordingly.
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1. The Single Antigen Class 1 & 2 antibody detection test: shall detect antibodies specific for HLA A, B, C, MICA, DR, DQ and DP antigens and is able to assign Donor Specific Antibodies.
 2. Computer system and printer: A compatible high performance computer, monitor, with latest and suitable Operating System, printer (if the report generated by the machine requires colour print pages, a colour printer must be included) and all accessories to make the data analysis suitable should be supplied.
 3. Software: Compatible software for complete HLA related data acquisition and analysis of related applications described above should be supplied. It should analyse raw data and review results in graphical form. Should have features such as patient antibody history & tracking, Quality control data comparison, compile and print reports from the data generated, export data in different formats so the data can be flexibility analysed.
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1. UPS: A branded UPS System with minimum backup of 1hr suitable for the entire system should be supplied.
 2. Start up kits and validation: The system should be supplied with necessary prerequisites and start up kits free of cost for 100 tests. Validation protocol to be completed on site by the company at their own cost.
 3. Assured supply of spare parts, accessories, reagents, kits and consumables for 10year at least.

4. Should have a safety certificate from a competent authority CE issued by a notified body registered in European commission /FDA (US) /STQC CB certificate /STQC S certificate or valid detailed electrical and functional safety report from ERTL. Copy of the certificate / test report shall be produced along with the technical bid.
5. All the necessary items to make the system functional should be supplied.
6. Reagent Calculation
 1. The rate for each kit (Rate to perform 1 reportable test) shall be quoted in the BOQ. The rate offered for each parameter shall include the no. of tests required for the calibrations.
 2. For each kit, the standard pack size and the rate for the same shall also be mentioned in the BOQ. This rate will be fixed for 5 years from the date of price bid opening.
 3. Available pack sizes of each kit should be mentioned in the Offer Form. The rate offered in the BOQ shall be applicable to all pack sizes. If any of the smaller pack size available with the company is not offered in the offer form then suitable action will be taken against the firm including disqualification from the tender.
 4. The workload considered for L1 calculation is as follows;
 - a. 500 reportable tests (all kits) in 90 days
 - b. Cost per reportable test should be offered by including the cost of number of tests used for calibration in 90 days.
 - c. For L1 calculation, the following calculation shall be used = Equipment Cost incl. of GST + Cost of 10000 tests (2000 tests x 5 year)
 5. All reagents supplied shall have minimum 80% of the shelf life at the time of supply. Reagents of lower shelf life, if supplied, shall be replaced free of cost on request by the user.
 6. All Controls, Calibrators & Consumables required to perform the tests should be supplied free of cost along with the reagent.