



Running Contract Details	
Equipment Name	Elisa Reader and Washer
Running Contract Valid Till	26-11-2027
Tender Ref No	KMSCL/EP/T563/43/2025
Tendered Quantity	50
Supplier Name	M/s Universal Agencies
GST No	32AAAFU5662Q1ZQ
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	
Palakkal Angadi Thrissur-680001	Contact Person	Mr. Renjith Menon, Mr.Manoj kumar
	Phone	0487-2440319, 0487-2427031
	Mobile No	9072844272, 9447053244
	Email	uniage.sales@gmail.com

Item-wise Price Details				
#	Item Details	Unit Rate (Incl.all taxes & charges)	Service Charges (Through KMSCL)	Grand Total
1	<b>Elisa Reader and Washer</b> <i>Model &amp; Make : InviRead Touch &amp; InviWash Touch / M/s. Invitronix</i>	0 Incl.GST :0%	0	0
2	<b>Elisa Reader as per specifications</b>	135450 Incl.GST :5%	10655.4	146105.4
3	<b>Elisa Washer as per specifications</b>	129150 Incl.GST :5%	10159.8	139309.8
4	<b>UPS as per specifications</b>	41999.74 Incl.GST :18%	2939.98	44939.72
5	<b>External software</b>	10979.9 Incl.GST :18%	768.59	11748.49
6	<b>Computer (used for external software)</b>	47082 Incl.GST :18%	3295.74	50377.74
7	<b>Laser printer (Used for external software)</b>	18762 Incl.GST :18%	1313.34	20075.34

Item-wise Price Details							
				383423.64	29132.85	412556.49	
Annual / Comprehensive Maintenance Charges (Exl.Tax)							
Rate	4 <sup>th</sup> Year	5 <sup>th</sup> Year	6 <sup>th</sup> Year	7 <sup>th</sup> Year	8 <sup>th</sup> Year	9 <sup>th</sup> Year	10 <sup>th</sup> Year
<b>Elisa Reader and Washer</b>							
Labour	3,000.00	3,000.00	3,000.00	3,000.00	3,000.00	3,000.00	3,000.00
Comprehensive	8,000.00	10,000.00	12,000.00	14,000.00	16,000.00	18,000.00	20,000.00

### **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 :Elisa Reader and Washer**

Technical Specification

#### **Equipment: Elisa Reader and Washer**

1. Should have 96 wells and should have reading capability of 1 to 96 wells individually.
2. Should have a linear measurement range of 0 to 3.000 Abs.
3. Should have wavelength range from 405 to 630nm or better.
4. Should have a photometric accuracy of 2% or better.
5. Should have a resolution of 0.001Abs.
6. Should have variable speed plate shaking capability.
7. Machine should be supplied with 6 standard filters 405, 450, 492,570, 630 & 690 nm.
8. Should have provision to add 2 additional filters.
9. Should have automatic filter selection.
10. Should have automatic calibration before each reading.

11. Should have facility for storage of calibration curves and 4 point logistic regression curve
12. Capable of doing multi standard tests and controls.
13. Should have different types of blanking facility like air wise and well wise.
14. Should be capable of reading U,V and flat type wells.
15. Should use LED or halogen light source and two spare bulbs should be provided in case of halogen.
16. Should have inbuilt or external thermal/Laser/ printer for direct printing from the equipment. 5 rolls of thermal papers should be supplied along with the unit if thermal printer is provided.
17. Should have external printer connectivity option.
18. Should work with input 200 to 240Vac 50 Hz supply.
19. Should have display option and storage of plates readings. Possibility to retrieve /print data by selecting assay wise, patient wise, date wise.
20. Should have graphical display of plate layout for specifying controls, standards, blanks etc.
21. Should be certified for suitability for in-vitro diagnostic application by a notified body registered in the European commission / FDA (US)/ STQC/ERTL
22. Software capable of entering patient ids, programing of tests with multiple standards, standard curve fit methods, storage and reuse of calibration curves, test results and full bidirectional control of the reader, required computer and laser printer should be provided.

## **II. Elisa Washer**

1. Should have capability to wash flat, U or V bottomed micro plates or 8 strip plates.
2. Should have 8 way manifold.
3. Should have 25 wash program software memory or more.
4. Should have programmable washing time, volume and soaking time.
5. Should have minimum 6 wash cycle.
6. Should have residual volume less than 3 ul with proper demo during technical demonstration.
7. Should have in-built vacuum and dispensing pumps to ensure accurate and quiet washing.
8. Should have waste bottle with full bottle alarm or sufficient mechanism to avoid spillage and damage to equipment.
9. Should have suction based wash buffer intake.
10. Should work with input 200 to 240Vac 50 Hz supply.
11. Should be certified for suitability for in-vitro diagnostic application by a notified body registered in the European commission / FDA (US)/ STQC/ERTL
12. Provision for connecting minimum two wash bottles and selecting as required
13. Should have cross wise aspiration
14. Time taken for one wash + aspiration cycle should not exceed 100 seconds.

## **III. Accessories**

1. Should be supplied with online pure sinewave UPS of sufficient capacity for both reader and washer with minimum 30 minutes back up time and dust cover for both machines.
2. Hard copy of all manuals including software manual should be supplied with the equipment.