



Running Contract Details	
Equipment Name	Electrophoresis System
Running Contract Valid Till	08-04-2023
Tender Ref No	KMSCL/EP/T385/754A/2020
Tendered Quantity	10
Supplier Name	M/s Universal Agencies
GST No	32AAAFU5662Q1ZQ
Installation & Delivery Period	
Up-time / PM vist	95% & 2 Visits per year
Warranty period	2 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	Horizontal Electrophoresis System with all accessories <i>Model &amp; Make : Submarine(Horizontal) Gel System - mini (2 Gel Platform) Code: 03-02C Submarine (Horizontal) Gel System - Analytical (2 Gel Platform) Code: 03-03C 15 well comb-1.5mm Code: 03-03-12 20 well comb-1.5mm Code: 03-03-14 Versatile Power Pack- (0-500V / 500 mA ; CC-CV) (four pair jacks) Code: 10-04C</i>	35364.6 Incl.GST :18%	2475.52	37840.12
2	<b>Power pack with all accessories</b>	47082 Incl.GST :18%	3295.74	50377.74
		<b>82446.6</b>	<b>5771.26</b>	<b>88217.86</b>

Annual / Comprehensive Maintenance Charges (Exl.Tax)				
Rate	3 <sup>rd</sup> Year	4 <sup>th</sup> Year	5 <sup>th</sup> Year	
<b>Horizontal Electrophoresis System with all accessories</b>				
Labour	1,500.00	1,500.00	1,500.00	1,500.00
Comprehensive	2,500.00	2,500.00	2,500.00	2,500.00

<b>Annual / Comprehensive Maintenance Charges (Exl.Tax)</b>			
<b>Power pack with all accessories</b>			
<b>AMC</b>	1,500.00	1,500.00	1,500.00
<b>CAMC</b>	2,500.00	2,500.00	2,500.00

### **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 :Horizontal Electrophoresis System with all accessories**

##### Electrophoresis System

##### I. Horizontal Electrophoresis system

1. Horizontal Electrophoresis system with all accessories for running Agarose gels.
2. Should have Cell size (W x L x H) 15 - 21 x 22- 28 x 4 – 10 cm and 10 - 14 x 22 - 28 x 4 – 8 cm.
3. The following Gel tray sizes (OD) should be available (W x L).
  - a. 15x10 & 15x7 (+/- 2 acceptable): Trays have 2 slots for fixed height combs and combs should be 15 well and 20 well.
  - b. 7 x 7 & 7 x 10 (+/- 1 acceptable): Trays have 2 slots for fixed height combs and combs should be 8 well and 15 well.
4. Should have sample throughput around 10 –100 (wide mini subcell) and 8 - 30 (mini subcell)
5. Should have buffer volume 600 - 800 ml (wide mini subcell) and 250 – 350 ml (mini subcell)
6. Should not have Buffer recirculation
7. Should have Bromophenol blue migration ~4.5 cm/hr (at 75 V)

##### II. Powerpack

1. Should have control of constant voltage output as well as constant current output
2. Should be suitable for running horizontal electrophoresis application
3. Output current should be in the range 10–300 V, fully adjustable in 1 V steps 4–400 mA, fully adjustable in 1 mA steps 75 W (maximum) and  
timer; 1 min–99 hr 59 min, fully adjustable and crossover Output terminals 4pair recessed banana jacks in parallel
4. Manual programming of voltage, current, temporary changes to power, and time parameters can be made in the power pack without interrupting the run
5. Should be provided with pause/resume function
6. The equipment should work in 0–40°C
7. Display should be of LED
8. Should be with an adjustable timer for a minimum of 300 min.
9. Should include Safety compliance No-load detection; rapid resistance change detection, ground leak detection, overload/short circuit detection,  
overvoltage protection, over-temperature protection Input protection Fuse on hot and neutral

10. Should be suitable to operate at 220 to 230 V AC, 50 to 60 Hz

11. Should have a safety certificate from a competent authority CE issued by a notified body registered in the European commission / FDA

(US)/ STQC CB Certificate/ STQC S Certificate or a valid detailed electrical and functional safety test report from ERTL. Copy of the certificate/

the test report shall be produced along with the technical bid

Note: All accessories needed to make the equipment functional, must be supplied.