

Running Contract Details	
Equipment Name	Fully Automated Horizontal Autoclave 400 Litre (Double Door, Sliding)
Running Contract Valid Till	12-02-2021
Tender Ref No	KMSCL/EP/T298/1135/2018(R)
Tendered Quantity	10
Supplier Name	M/s Blaze Systems & Services
GST No	32AFPPA3959N1Z2
Installation & Delivery Period	12 Week(s)
Up-time / PM vist	95% & 4 Visits per year
Warranty period	3 Years

Supplier`s Details		
Address	Contact Details	
Kallanchira Bldgs Madappally PO Changanacherry Kottayam - 686 546	Contact Person	Anto Thomas
	Phone	0484-2424311
	Mobile No	9605456624
	Email	bssanto@hotmail.com,info@blazesystems.in

Item-wise Price Details				
#	Item Details	Unit Rate (Incl.all taxes & charges)	Service Charges (Through KMSCL)	Grand Total
1	<b>Fully Automated Horizontal Autoclave 400 Litre (Double Door, Sliding)</b> <i>Model &amp; Make : MEDISTER - Machin Fabrik Industries Pvt Ltd, Mumbai India</i>	2461185 Incl.GST :18%	172282.95	2633467.95
2	<b>Loading Cart</b>	64900 Incl.GST :18%	4543	69443
3	<b>Trolley</b>	64900 Incl.GST :18%	4543	69443
		<b>2590985</b>	<b>181368.95</b>	<b>2772353.95</b>

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>Fully Automated Horizontal Autoclave 400 Litre (Double Door, Sliding)</b>							
<b>Labour</b>	68,204.00	71,614.00	75,194.00	78,954.00	82,902.00	87,047.00	91,399.00
<b>Comprehensive</b>	1,36,408.00	1,43,228.00	1,50,389.00	1,57,909.00	1,65,804.00	1,74,095.00	1,82,799.00

## **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 :Fully Automated Horizontal Autoclave 400 Litre (Double Door, Sliding)**

1. The equipment shall be fully automated horizontal, rectangular autoclave with triple wall construction.
2. Should have chamber dimension 600x600x1200mm
3. The inner chamber, back plate, jacket and door should be made of SS 316 grade
4. Should have sliding type door on both sides.
5. The doors should have interlock so that the sterile side door cannot be opened simultaneously.
6. Shell should be insulated with mineral / glass wool covered with SS304.
7. The steam generator, heater plate and stand should be made of SS304.
8. Sterilizer should be hydraulically tested to withstand 2.5 times the working pressure.
9. Should have low water protection cut off system with magnetic float switch and audible alarm.
10. Should have a water level gauge with safety cut off valves in event of glass breakage.
11. Should have automatic pressure control switch to set value depending on the temperature for sterilization.
12. Doors should have self pressure locking safety device and cannot be opened when under pressure.
13. The doors should be sealed with chamber by heat resistant joint less silicon gaskets.
14. Entire cycles of sterilization should be controlled by a microprocessor unit.
15. It should have manual operation facility.
16. Should have safety valves for chamber and boiler pressure.
17. Should have digital display for temperature and pressure for both chamber and jacket.
18. Separate temperature and pressure display should be available on the sterile side

19. The autoclave should function at a temperature of 121o C at 15 Psi.
20. Should have a water ring pump of sufficient capacity with required cooling coils for low noise operation.
21. Should reach an absolute vaccum of 70mbar or better
22. Should have heating capacity of minimum 18 KW.
23. Should have the following programs :
  - a. Liquid cycles
  - b. Pre-Vac cycle
  - c. Instrument Cycle
  - d. Leak Test
  - e. Bowie Dick test
  - f. Customizable program Cycles
24. Should be ISI / EN285 certified.
25. Should be operated on 400 to 440 Vac, 50Hz.
26. Should quote prices for loading cart made of SS304 and trolley separately.
27. Should have water inlet and outlet valves.
28. Installation: Installation shall be done at free of cost. Water inlet and outlet pipe should be provided and connections should be done on a turnkey basis. Water connection and drainage outlet will made available in the installation room.
29. Should be supplied with 25 numbers of Bowie Dick test sheets along with the machine
30. All gauges should be calibrated, Leak test and Bowie Dick test performed and certificates issued by an authorized calibrating agency after installation.
31. A pump of sufficient capacity should be present for automatically maintaining the boiler water level during continuous operation.