

Running Contract Details	
Equipment Name	VERTICAL AUTOCLAVE - VARIOUS TYPE
Running Contract Valid Till	18-07-2020
Tender Ref No	KMSCL/EP/T265/9/2017
Tendered Quantity	187
Supplier Name	M/s Universal Agencies
GST No	32AAAFU5662Q1ZQ
Installation & Delivery Period	6 Week(s)
Up-time / PM vist	95% & 2 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>Vertical Autoclave - Steam Jacketed - Small</b> <i>Model &amp; Make : ESTA-106 A / ESTEEM INDUSTRIES INC</i>	87699.96 Incl.GST :18%	6139	93838.96
2	<b>Vertical Autoclave - Steam jacketed - Large</b> <i>Model &amp; Make : ESTA-106 A / ESTEEM INDUSTRIES INC</i>	105399.96 Incl.GST :18%	7378	112777.96
3	<b>Vertical Autoclave - Simple</b> <i>Model &amp; Make : ESTA-106 / ESTEEM INDUSTRIES INC</i>	117300.26 Incl.GST :18%	8211.02	125511.28
		<b>310400.18</b>	<b>21728.01</b>	<b>332128.19</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>Vertical Autoclave - Steam Jacketed - Small</b>							
Labour	3,540.00	3,540.00	3,540.00	4,720.00	4,720.00	4,720.00	5,900.00
Comprehensive	7,080.00	8,260.00	9,440.00	10,620.00	11,800.00	12,980.00	14,160.00

<b>Annual / Comprehensive Maintenance Charges (Exl.Tax)</b>							
<b>Vertical Autoclave - Steam jacketed - Large</b>							
<b>Labour</b>	3,540.00	3,540.00	3,540.00	4,720.00	4,720.00	4,720.00	5,900.00
<b>Comprehensive</b>	7,080.00	8,260.00	9,440.00	10,620.00	11,800.00	12,980.00	14,160.00
<b>ve</b>							
<b>Vertical Autoclave - Simple</b>							
<b>Labour</b>	3,540.00	3,540.00	3,540.00	4,720.00	4,720.00	4,720.00	5,900.00
<b>Comprehensive</b>	7,080.00	8,260.00	9,440.00	10,620.00	11,800.00	12,980.00	14,160.00
<b>ve</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 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 : Vertical Autoclave - Steam Jacketed - Small**

Vertical Autoclave – Steam Jacketed – Small

1. Should have a triple walled construction and steam jacketed type.
2. The working chamber, steam jacket, outer chamber and the lid should be made of SS 304 grade.
3. Should have water inlet and outlet valves.
4. Should have a water level gauge
5. Should have gauges for measuring inner and outer steam pressure.
6. Should have an inner temperature indicator.
7. Should have automatic pressure control switch, safety valve and eject valve.
8. Should have joint-less silicone gasket.
9. Should have automatic low water protection (cut off with audible alarm) and should not use high voltage earthing system.
10. Should have 121°C working temperature at 15 psi pressure
11. Chamber volume should be approximately 300mm diameter and 500mm depth.
12. Should be operated in mains 220 – 240 V ac 50 Hz input power supply.
13. Should have foot operated lid opening with radial locking lid.
14. Should have venturi vacuum system with minimum vacuum of 6 inches mercury ( -0.2 kg/ cm<sup>2</sup> )
15. Should supply minimum 2 nos of bins of suitable size.
16. Water inlet and outlet pipe should be provided and connections should be done on a turnkey basis
17. Should have safety certificate from a competent authority CE/FDA (US). Other equivalent certificates will not be accepted. Should have valid detailed electrical and functional safety test report from ERTL. Copy of the certificate/test report shall be produced along with the technical bid

**Equipment :Vertical Autoclave - Steam jacketed - Large**

Vertical Autoclave – Steam Jacked – Large

1. Should have a triple walled construction and steam jacketed type.
2. The working chamber, steam jacket, outer chamber and the lid should be made of SS 304 grade.
3. Should have water inlet and outlet valves.
4. Should have a water level gauge.
5. Should have gauges for measuring inner and outer steam pressure.
6. Should have an inner temperature indicator.
7. Should have automatic pressure control switch, safety valve and eject valve.
8. Should have joint-less silicone gasket.
9. Should have automatic low water protection (cut off with audible alarm) and should not use high voltage earthing system.
10. Should have 121°C working temperature at 15 psi pressure.
11. Chamber volume should be approximately 450mm diameter and 600mm depth.
12. Should be operated in 3 phase mains 440volts power supply.
13. Should have foot operated lid opening with radial locking lid.
14. Should have venturi vacuum system with minimum vacuum of 6 inches mercury ( - 0.2 kg/ cm2 )
15. Should supply minimum 2 nos of bins of suitable size.
16. Water inlet and outlet pipe should be provided and connections should be done on a turnkey basis
17. Should have safety certificate from a competent authority CE/FDA (US). Other equivalent certificates will not be accepted. Should have valid detailed electrical and functional safety test report from ERTL. Copy of the certificate/test report shall be produced along with the technical bid

**Equipment :Vertical Autoclave - Simple**

Vertical Autoclave - Simple

1. Should have a double walled construction.
2. Should have water inlet and outlet valves.
3. Should have a water level gauge
4. Should have pressure gauges for measuring chamber pressure.
5. Should have an inner temperature indicator.
6. Should have automatic pressure control switch, safety valve and eject valve.
7. Should have joint-less silicone gasket.
8. Should have automatic low water protection (cut off with audible alarm) and should not use high voltage earthing system.
9. Should have 121°C working temperature at 15 psi pressure.
10. Chamber volume should be approximately 450mm diameter and 600mm depth.
11. Should be operated in mains 220 – 240 V ac 50 Hz input power supply.
12. Should have foot operated lid opening with radial locking lid.
13. Should supply minimum 2 nos of bins of suitable size. 14. Should have safety certificate from a competent authority CE/FDA (US). Other equivalent certificates will not be accepted. Should have valid detailed electrical and functional safety test report from ERTL. Copy of the certificate/test report shall be produced along with the technical bid