

## Appendix-I

Sr. No.	Name of the item with Specification	Qty.
<b>A</b>	<p><b>Laminar Air Flow Cabinet (Horizontal)</b></p> <ul style="list-style-type: none"> <li>• Working area: 120 cm x 60 cm x 60 cm</li> <li>• Microprocessor based controller &amp; switches for Blower, Fluorescent light &amp; UV light with LCD/LED back light display</li> <li>• Prefilter: 99.00% down to 5 micron</li> <li>• Complete unit made of 304 Grade Stainless Steel</li> <li>• Digital manometer (0 - 50 mm range) for Measurement of HEPA Filters Choking with filter failure alarm</li> <li>• Fitted with UV Germicidal lamp (15/30W, make Philips Holland)</li> <li>• Cock for Gas / Vacuum line</li> <li>• Polycarbonate Transparent front door</li> <li>• Motorized door</li> <li>• Side Panel: 6 mm <math>\pm</math> 0.5 mm thick polycarbonate sheet</li> <li>• Includes Magnetic gauge</li> <li>• Chamber fitted with HEPA with accurate performance rate of air filtration, rated 99.99%, filtering all air bore molecule of particle up to 0.3 micron in working Area of Laminar Bench</li> <li>• U.V. Resistant</li> <li>• M. S. Powder Coated (Body)</li> <li>• Working area of Laminar Airflow Cabinets illuminated by fluorescent tube or equivalent with diffuser</li> <li>• Velocity: 0.35-0.50 m/sec</li> <li>• Cabinets operated at 230V, Single Phase 50Hz. AC Supply</li> <li>• Noise Level: 60 decibel <math>\pm</math> 5%.</li> <li>• Blower fitted with 0.25 HP Motor, with RPM 1200 to 1400</li> <li>• Brand must be ISO / CE Certified</li> <li>• With one year warranty and Free service for next two years</li> </ul>	01 Unit
<b>B</b>	<p><b>Fully Automatic Autoclave</b></p> <ul style="list-style-type: none"> <li>• Double wall design with single chamber for steam and water</li> <li>• Single lever opening</li> <li>• Working size : 550 mm x 760 mm</li> <li>• Fully Automatic operation cycle</li> </ul>	01 Unit

	<ul style="list-style-type: none"> <li>• With quick Responsive Temperature Sensor and built digital timer</li> <li>• With automatic steam exhaust at the end of cycle</li> <li>• Unit to be fitted with Automatic Pressure Control switches, automatic low water cutoff device &amp; Digital Temperature Display cum Controller, Auto Purging</li> <li>• Unit to be provided with Spring Loaded Safety Valve, Pressure Gauge, Pressure Release Valve, Water Level Indicator &amp; Drain Valve</li> <li>• Working chamber made of Stainless Steel LM 304 grade of 2 mm or higher thickness</li> <li>• Outer cover made of stainless steel 1mm or higher thickness</li> <li>• Lid, flange &amp; bottom sheet also made of high grade stainless steel</li> <li>• All joints argon arc welded, ground and polished to give crevice free internals</li> <li>• Single piece made silicon gasket, heavy duty industrial flange heater of 4 kW heater load</li> <li>• Molded joint-less Silicon Rubber Gasket is provided for leak proofing</li> <li>• Unit to be hydraulically tested to withstand 40 PSI pressure</li> <li>• Unit to be mounted on Castor Wheels for easy movement.</li> <li>• Temperature Range : 121°C to 125°C</li> <li>• Temperature Resolution: 0.1°C. Temperature Accuracy +/- 0.5°C</li> <li>• Brand must be ISO / CE Certified</li> <li>• With one year warranty and Free service for next two years</li> </ul>	
<b>C</b>	<p><b>Shaker Incubator</b></p> <ul style="list-style-type: none"> <li>• Brushless Induction Motor with AC Frequency Drive system</li> <li>• With voltage stabilizer</li> <li>• Capacity - 20 Litre</li> <li>• With PID and PLC control</li> <li>• With digital 99.59 minutes timer</li> <li>• Power supply: 230 V AC, 50 Hz single phase</li> <li>• Operating speed: 50 to 250 RPM with electronic digital RPM indicator</li> <li>• Temperature range 10°C to 60°C</li> <li>• Digital display with RPM, shaker, heater and cooler on display. Digital control of RPM</li> <li>• Double walled construction with exterior of Mild Steel finished in powder coating paint and Interior made of STAINLESS STEEL 304</li> </ul>	01 Unit

	<ul style="list-style-type: none"> <li>● Glass wool/Cerawool insulation or equivalent to be provided between the chambers to minimize heat/cool loss.</li> <li>● Full glass door to be provided with double wall, magnetic gasket, lock and handle</li> <li>● Removable trays of appropriate capacity to be included</li> <li>● Air circulation to be provided for uniform temperature</li> <li>● Supplied with Universal Rack suitable to hold test tube, beaker, reagent bottle, conical flask, volumetric flask etc. with holding capacity 50 ml to 2 litre</li> <li>● Over Temperature Cut off, Over current and leakage breaker</li> <li>● Brand must be ISO / CE Certified</li> <li>● With one year warranty and Free service for next two years</li> </ul>	
<b>D</b>	<p><b>Peristaltic pump</b></p> <ul style="list-style-type: none"> <li>● Approximate flow rate 100-900 ml per minute</li> <li>● Self- priming with positive displacement</li> <li>● Variable speed drive with stepped motor</li> <li>● Contamination free pumping</li> <li>● Virtually maintenance free</li> <li>● Instant start/stop and reverse facility</li> <li>● Provided with 3 meter long silicon tube</li> <li>● With flame proof housing and SS 304 grade body</li> <li>● With digital display facility</li> <li>● With all required accessories</li> <li>● Accuracy: <math>\pm 1.5\%</math></li> <li>● Explosion proof</li> <li>● Brand must be ISO / CE Certified</li> <li>● With one year warranty and Free service for next two years</li> </ul>	01 Unit