

Appendix-I

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

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

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