

**TECHNICAL SPECIFICATIONS FOR OPEN TENDER (AUTOCLAVE)
DEPARTMENT OF BIOTECHNOLOGY, IIT MADRAS**

Annexure-1

Instrument: AUTOCLAVE

Sl. No.	Specifications	Quantity
1	<p>Autoclave</p> <ul style="list-style-type: none"> • Volume: 400-500 liters • Working pressure: 15-30 psi (1-2.1kg/cm²) • Working temperature: 121⁰ to 135⁰C • Steel jacket • Insulation of equipment shell with resin bonded glass wool • Skin temperature of the equipment does not increase more than 55⁰C • Boiler suitable for electrical operation on 400/440Volts, 3 phase, AC supply. • Door: Hinged and sealed with silicone gasket. • Flush mounting: stainless steel. • Piping: Valves and pipe lines connected to chamber with stainless steel. The connectors fabricated from solid bars to prevent cracking of connector. Argon welded pipelines with proper finish. All utilities brought to one point, at the corner of the equipment for easy operation to the customer. All the exhaust, drains are connected to a common drain. • Condenser: Stainless steel. • Stand: Stainless steel. <p style="text-align: center;">Accessories</p>	2
2	Trolley	2
3	<ul style="list-style-type: none"> • Vendor should have a good track record of selling similar systems with at least 10 installations across India especially in institutes like IITs, IISERs, IISc, CSIR labs • Vendor should submit at least 3 performance certificates for similar systems • Vendor should have a local presence with good track record of after sales support in Chennai 	
4	Warranty period of 5 years	