

**BSC Class II type B2**

S.N.	Purchaser's Specifications			
	<b>BSC Class II type B2 (width atleast of 4.5 ft external size)</b>			
	<b>Manufacturer</b>			
	<b>Brand</b>			
	<b>Type / Model</b>			
	<b>Country of Origin</b>			
<b>1</b>	<b>Description of Function</b>			
1.1	BSC Class II used for safely working with materials contaminated with (or potentially contaminated with) pathogens requiring a defined biosafety level.			
<b>2</b>	<b>Operational Requirements</b>			
2.1	BSC Class II ensuring both the safety of sample and environment.			
<b>3</b>	<b>System Configuration</b>			
3.1	BSC Class II type with complete accessories.			
<b>4</b>	<b>Technical Specifications</b>			
4.1	Main Control: Full Digital Microprocessor based monitoring system with touch Pad			
4.2	Air flow Velocity: Downflow 31m/s and Inflow 51m/s			
4.3	Display: Display Back Light LCD Digital Display			
4.4	Main filter: HEPA filter/0.22 micron 99.99% efficiency			
4.5	Pre filter: Nylon material/ Internal Mounted			
4.6	Working Table: Easy removable plate			
4.7	Material: Stainless steel SUS 304			
4.8	Cabinet: stainless steel plate with powder coating			
4.9	Illumination: Maximum 40W			
4.10	UVG Lamp: Maximum 40W			
4.11	Noise Level: less than 65 dbm			
4.12	Air circulation: 100% Exhaust system through hard duct, no recirculation			
4.13	Timer: Electronic digital Timer, 99 min or Hold			
4.14	Audio visual alarms provided-user friendly keyboard and data keeping display			
4.15	Utility: Outlet, Gas faucet, vacuum faucet, Hour meter			
4.16	Door: Sliding glass door, stratified safety glass, Tempered Safety glass			
<b>5</b>	<b>Accessories, spares and consumables</b>			
5.1	All standard accessories, consumables and parts required to operate the equipment, including all standard tools and cleaning and lubrication materials, to be included in the offer. Bidders must specify the quantity of every item included in their offer (including items not specified above).			
<b>6</b>	<b>Operating Environment</b>			
6.1	The product offered shall be designed to be stored and to operate normally under the conditions of the purchaser's country. The conditions include Power Supply, Climate, Temperature, Humidity, etc.			
6.2	Power supply: 220-240V/ 50 Hz AC Single phase fitted with appropriate plug to meet purchaser's country requirements. The power cable must be minimum 3 metres long.			
<b>7</b>	<b>Standards and Safety Requirements</b>			
7.1	This unit shall be certified to meet ISO 9001 and/or ISO 14971 and/or ISO 13485 and/or ISO 14644-1. <b>AND</b>			
7.2	Must submit CE/USFDA approved product certificate.			
<b>8</b>	<b>User Training</b>			
8.1	Must provide user training (including how to use and maintain the equipment).			
<b>9</b>	<b>Warranty</b>			
9.1	Comprehensive warranty for 2 years and extra 1 year free AMC			
<b>10</b>	<b>Maintenance Service during Warranty Period</b>			
10.1	During warranty period supplier must ensure corrective/breakdown maintenance whenever required.			
<b>11</b>	<b>Installation and Commissioning</b>			
11.1	The bidder must arrange for the equipment to be installed and commissioned by certified or qualified personnel; any prerequisites for installation to be communicated to the purchaser in advance, in detail.			
11.2	The bidder must provide solution of ducting.			
<b>12</b>	<b>Documentation</b>			
12.1	User (Operating) manual in English			
12.2	Service (Technical / Maintenance) manual in English			
12.3	List of important spare parts and accessories with their part numbers and costing.			
12.4	Certificate of calibration and inspection from factory.			

