

Technical Specification of Grossing Table for Pathology department

S.NO.	Specification	Comply (Yes/No)
	Make	
	Model	
1.	The Grossing Table should be Down Draft type.	
2.	'Zero' Turbulent Reverse Air Flow: Exhaust System should have Zero Turbulent Reverse Air Flow so as not to allow any Formalin Fumes to escape into the Lab.	
3.	Operating Parameters:	
	Air Suction Velocity on Perforated Table min. 0.4 m/sec avg.	
	Noise Level at Operator Level <60 dbA	
	Light Level on Work Table >800 Lux, approx.	
	Vibration on Work Table 2.5 microns RMS	
4.	Integral Ventilation:	
	Should have Built-in Ventilation System & Motor.	
	Remote Blowers will not be accepted due to installation & maintenance problems.	
5.	Ventilation System:	
	High Suction Twin SISW Blowers of Capacity 1000 Cu.m./hr. Wisper-Quite.	
	Activated Carbon Filters at Exhaust must be provided to protect the environment.	
	Efficiently designed Ventilation System should perform with Motor Capacity Not exceeding % HP, resulting in extremely low noise, vibration and very high Power operational cost saving during the life of the Grossing Table.	
	Exhaust should be through 8" PVC or flexible Duct.	
6.	Work Table should be raised border and aerodynamically shaped.	
7.	Under Table Rinse System in the Tub: must be provided.	
8.	Dimensions:	
	The Grossing Table Work Area dimensions should be 1485mm (W) x 760mm (D) x 990mm (H) ±10mm	
	The Grossing Table External dimensions should be 1525mm (W) x 1065mm (D) x 1905mm (H) ±10mm	
	Work Table Height should be 780mm ±10mm.	
9.	Construction:	
	Full Body & Work Table should be made of SS-304 N4 Hairline Finish. Material Test Certificate (TC) to be provided.	
	Grossing Table should be fabricated on CNC machines for fabrication accuracy, reliability & finish.	
	All welding should be TIG/MIG.	
10.	Simplified Man-Machine Interface: Should be provided with Self Illuminated Function Controls for extreme Operator Ease and Flaw-less operation.	
	Controls for	
	(1) Ventilation On-OFF	
	(ii) Ventilation Stand-by	

	(iii) LED Lighting	
	(iv) Storage Chamber Lighting	
	(v) Provision for UV light interlocked with LED lighting	
11.	A Stand-by Ventilation feature must be provided, to be switched ON during work breaks maintaining the Laboratory Formalin Fumes free and extending Carbon Filter life.	
	In this "Stand By" mode, LED Lighting is automatically switched OFF to prevent inadvertent working by the operator.	
12.	All Work Area Illumination with LED Lights:	
	• LED overhead Lights with Diffuser	
	• Under Shelf LED Illumination	
	• Storage Chamber LED Illumination	
	• Magnifier with Circular LED Light	
13.	Fresh & Waste Water System:	
	• Hot Cold Water Mixing Faucet (Hot Water by user, connected to the Hot Water Inlet provided in the Grossing Table.)	
	• Work surface must have a seamless S.S.304 Sink measuring 414(L) x 362(W) x 170(D) mm	
	• Vacuum Breaker	
14.	Utility Connections requirements:	
	• Ventilation Duct Connection 10"	
	• Aux. Power Point	
	• 3/4 Inch hot and cold water supply lines with drain line	
	• 1/2 Inch industrial flexible hoses with 6 inch female hose fittings for connection to water supply	
	• 1.5 inches' flexible hose for drain line	
	• 230V, 50Hz, 15A, 3 Pin UK/Indian Plug	
15.	Following Certifications are required to be attached mandatorily with the Bid:	
	• CE (European)	
	• ISO 9001:2015	
	• ISO 13485:2016 for Medical Devices	
	• WHO-GMP	
	• US FDA	
	• ISO 14001:2015 Environment Safety	
16.	Electrical Safety Certificates (to be attached with Bid):	
	• IEC 60601-1/601-1/IS 13450-1 and General Safety requirements as per IEC 60601-1	
	• ELCB (Earth Leakage Circuit Breaker) Built-in for Total operator safety in case of fault in user provided power socket/line (optional)	
17.	NSIC Certificate should be provided with Bid.	
18.	The following Documents should be provided with supply.	
	• Instruction Manual	
	• Calibration Certificate	
	• IQ/PQ/OQ/Certificates	
19.	Bidder should specify location of service facilities available in India.	