

TECHNICAL SPECIFICATION FORM (TSF)			
1	2	3	4
No.	ITEM CODE & DESCRIPTION	BIDDER'S OFFER	Ref. page no of Supporting Documents
	BLAB-044		
	FUME CABINET		
	Manufacturer:		
	Brand:		
	Type/Model:		
	Country of Origin:		
A	FUNCTIONAL DESCRIPTION		
1	General Purpose Fume Hood is a type of chemical cabinet used for general applications in laboratories, Not Recommended for radioactive materials and perchloric acid.		
	Note: The requested quality of the equipment must be equally good		
B1	DESCRIPTION OF BASIC COMPONENTS		
1	Cabinet		
2	Chemical Resistant Centrifugal Exhaust Fan , and 4 meter PVC exhaust pipe		
B2	TECHNICAL SPECIFICATIONS		
1	Automatic Airflow Monitoring System, with air flow: 810 Cfm and a speed of 100 fpm		
2	Dimension approx.: 1200 x 911 x 2260 mm		
3	Tested and working opening: 173 mm		
4	Filter: ULPA efficiency 99.99% at 0.1 to 0.3 micron		
5	Exhaust: Hepa Filter Typical Efficiency 99.99% at 0.3 microns		
6	Pressure Differensial Gauge		
7	Average Airflow Velocity: Inflow 0.53(m/s) and Down Flow 0.33 (m/s) at initial setpoint		
8	Cabinet construction:		
8.1	Body Material: Electro-galvanized steel with powder coated		
8.2	Chamber Material: Reinforced Phenolic Resin (6mm Thickness), Resistant Chemical		
8.3	Sash : Laminated safety glass with opening mechanism using counterbalance		
9	Exhaust Fan: Centrifugal Exhaust fan, with 4 meters PVC Exhaust pipe		
10	Electrical : 220 V; 1ph; 50 Hz,		
11	Water connection : Clean water supply		
12	Waste water disposal at the location.		
13	Certification: EN 12469; NSF/ANSI 49, supported by NSF Certified Engineer		
C	ACCESSORIES & CONSUMABLES		
1	All standard maintenance tools and cleaning /lubrication materials where applicable shall be included.		
2	Bidders shall specify, in a separate Excel worksheet , the quantity and details of any other essential items which have not been specified in this TSF, and to be included in the offer.		
3	Standard Accessories: UV Light, 2 pcs Electrical outlet kit, and 1 pc support stand and 1 unit Exhaust fan for air circulation, HEPA filter efficiency: 90%		
4	Bidders shall specify, in a separate Excel worksheet , the quantity and details of any items included in this offer, which are normally provided by the manufacturer but not specified in this TSF.		