

SUPPLY, INSTALLATION AND COMMISSIONING OF FUME HOODS IN THE ROOM No. 47, 132,127,144,123, 117, 135, 137 & 128 OF MAIN BUILDING, IACS, JADAVPUR, KOLKATA - 700 032

SL. No.	DESCRIPTION OF ITEMS	Units	Qty.	Unit Price Rs.	Total Rs.
1	<p>Fume Hood of Auto Bypass / Constant Bypass Type, Aero dynamic, floor mounted Fume Hoods exterior made of Powder coated durable,(70 to 80 microns) 1.5mm & 1.2mm thick heavy duty CRCA (as per IS: 513) sheets with rigid structure, interior made of Chemical & Heat resistant, Fire Retardant, smooth finish, Easily Cleanable Panels made out of durable special material integral work walls (6mm thick). ASTM flame spread Including 17mm to 19mm thk. black granite work top, 2 nos. oval shaped 100mm x 200mm 'PP' detachable sinks, vertical rising Sash with 5mm thk. toughened float glass, 8 Nos. colour coated service valves with suitable pipes for water and gas connections, 2 nos. 1200mm lengths respectively) fluorescent lights (40 watts for 1800mm & 20 watts for 4 nos. 6/16 A electrical sockets, Interstitial 3 point suction system (for light, normal & heave fumes) with baffle ceiling enclosure front and sidesarrangement, flow control valve, and panels. Fume Hood Size - 1800mm x 1000mm x 2400mm</p>				
		No.	14		
2	Apparatus storage base cabinet, with one shelves Size - 900mm x 700mm x 700mm	No.	14		
3	Chemical Resistant Chemical Storage Base Cabinet exhaust ports connected to fume hood exhaust system internally. Size - 900mm X 700mm X 700mm	No.	14		
4	Apparatus holding square grid of SS 316 rod (along the entire length of fume hood) of grid 200mm x 200mm and will be built in at fume hood back side. Grid for 1800 mm long Fume Hood	No.	14		
5	Centrifugal Blower with 1.5 / 2 HP, 3 Phase Motor, direct drive chemical & heat resistant PP+FRP blower with aerodynamically balanced impeller, with drain plug, continuous rating as per IS 325 having air suction capacity of 3000 CFM confirming to international face velocity norms and as per safe fume hood airflow pattern. 1.5 x 4 core armoured cable (CU) with 1.5 bottle socket (CU), 1.5 gland, 20mm bar saddle double earthing 8mm SWG GI wire.	No.	11		
6	Airflow monitor AFA 1000 (Digital) – 'TEL' UK make.	No.	14		
7	PP + FRP Ducting Chemical resistant PP+FRP (3mm + 2mm) rigid & flexible ductwork from Fume Hood to exhaust stack point with weatherproof canopy. Total ducting with horizontal, vertical members, flanges, bends, bracketed supports and gooseneck exhaust stack.				

	Duct diameter : 450/300/250 mm	Sq.M	490		
8	Supplying and fixing Sink Counter (top size 900mmx850mm) and 900mm height made from special profile extruded Aluminium construction having anodized finish followed by epoxy powder coating, with black granite top having under counter cabinet. The cost includes P.P.rectangular Sink, three way Goose Neck water taps and other allied fittings & fixture all complete.	Nos.	3		
9	Providing and laying of 63mm diameter HDPE drain pipe line including all accessories like bend, tee's, etc. and necessary cutting of brick walls and RCC structure wherever required, fixing of pipe to wall with clamps, making good all damages, all complete as per the direction of EIC.	RM	300		
10	Providing, fitting and fixing S.S. Pipe (6mm dia.) for Gas line including all fitting and fixture like S.S. Tee, bend, 6mm OD PU Tube, Clamps & adaptors etc.	RM	200		
				Total (Rs.)	
