

**INDIAN ASSOCIATION FOR THE CULTIVATION OF SCIENCE,
JADAVPUR**

**NAME OF THE WORK:- SUPPLYING, INSTALLATION AND COMMISSIONING OF FUME
HOODS IN LAB. No. 47, 132, 127, 144, 123 & 117 OF MAIN BUILDING, IACS,
JADAVPUR, KOLKATA - 700 032**

Sl. No.	Description of Items	Quantity	Unit	Rate/Unit (Rs.)	Amount (Rs.)
1	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 materials integral work walls (6mm thick). ASTM flame spread including 17mm to 19mm thk. black granite top, 2 nos. oval shaped 100mmx200mm 'PP' detachable sinks, vertical rising Sash with 5mm thk. toughened float glass, 8 nos. colour coated service valves with suitable pipes for water and sag connections, 2 nos. 1200mm lengths each respectively fluorescent lights (40 watts) 20 watts for 4 nos. 6/16A electrical sockets, Interstitial 3 point suction system (for light, normal & heavy fumes(with baffle ceiling enclosure front and sides arrangement,				
	Fume Hood Size - 1800mm x 1000mm x 2400mm	7	No.		
2	Apparatus Storage base cabinet, with one shelves of Size - 900mm x 700mm x 700mm	7	No.		
3	Chemical Resistant Chemical Storage Base Cabinet exhaust ports connected to Fume Hood exhaust system internally. Size of cabinet - 900mm x 700mm x	7	No.		
4	Apparatus holding square grid of S.S 316 rod (along the entire length of fume hood) of grid 200mm x 200mm and will be built in at Fume Hood back side.	7	No.		
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 3000CFM conforming to international face velocity norms and as per safe fume hood airflow pattern. The rate is included 1.5x4 core armoured cable (CU) with 1.5 bottle socket (CU), 1.5 gland, 20mm bar saddle double earthing 8mm SWG	7	No.		

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6	Providing fitting and fixing of Airflow monitor AFA 1000(Digital) - 'TEL' UK make.	7	No.		
7	Providing and making PP + FRP Ducting Chemical resistant PP+FRP (3mm+2mm) rigid & flexible ductwork from Fume Hood to exhaust stack point (duct diameter : 450/300/250mm) with weather proof canopy. Total ducting with horizontal, vertical members, flanges, bends, bracketed supports and gooseneck exhaust stack.	275.00	Sq.m		
8	Providing and laying of 63mm diameter HDPE drain pipe line including all accessories like bend, tee's etc. and necessary cutting of brickwork and R.C.C structure where required, fixing of pipe to wall with sufficient clamps, mending good all damages, all complete as per the direction of EIC.	150.00	R.M		
9	providing, fitting and fixing S.S Pipe (6mm dia.) for Gas line including all fitting anf fixture like S.S Tee, bend, 6mm OD PU tube, Clamps & adaptors etc.	100.00	R.M		
				TOTAL	