

**Name of Work : Supply, Installation & Commissioning of Fume Hood in Room No. 37 at
Ground Floor of Main Building.**

Sl. No.	DESCRIPTION OF ITEMS	Unit	Qty.	Rate (Rs.)	Amount
1	<p>FUME HOODS Auto Bypass 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 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 valveswith 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>	Each	3		
2	Apparatus storage base cabinet, with one adjustable shelves. Size - 900mm X 700mm X 700mm high	Each	3		
3	Chemical Resistant Storage Base Cabinet, exhaust ports connected to fume hood exhaust system internally Size - 900mm X 700mm X 700mm high.	Each	3		
4	Apparatus holding square grid of S.S. 316 pipe (along the the entire length of fume hood) of grid 200mm X 200mm and will be built in a fume hood back side.	Each	3		
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 1.5x4 core armoured cable (CU) with 1.5 bottle socket (CU), 1.5 gland, 20mm bar saddle double earthing 8mm SWG GI wire.	Each	2		

6	Airflow monitor AFA 1000 (Digital) . 3ELqUK make.	Each	3		
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	35.00		
8	HDPE drain pipe line 63mm Diameter. 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.	R.M	10.00		
9	Providing, fitting and fixing S.S. Pipe (6mm dia.) for Gas line including all S.S fitting and fixture like Tee, Bend, 6mm OD PU Tube, clamps and Adaptors etc.	R.M	30.00		
				TOTAL	