

ANNUAL MAINTENANCE CONTRACT FOR FUME HOOD AND LABORATORY FURNITURE , DUCT ETC. IN DIFFERENT LABORATORY OF I.A.C.S, JADAVPUR

Sl. No.	Description of Items	Unit	Rate/Unit (Rs.)	Quantity	Amount (Rs.)
1	Removing the existing sash (rope with pully) in the Fume Hood and replacing the new one for the system to make in order including labour charges all complete.				
a).	Fume Hlood size : 1800mmx1000mmx1600mm	Each	4180.00		
b).	Fume Hlood size : 1200mmx1000mmx1600mm	Each	3850.00		
2	Removing and replacing new Fume Hood valve with L- Type nozzle and distance rod with bush (big) for water line including labour charges all complete.	Each	4400.00		
3	Replacing the one way Swan neck Pillar cock (P.P) for counter sink including all other accessories complete.	Each	5500.00		
4	Replacing the three way Swan neck Pillar cock (P.P) for counter sink including all other accessories complete.	Each	8800.00		
5	Replacing the Airflow Monitor AFA1000 (Digital) - 'TEL' UK make.	Each	33000.00		
6	Repair and remaking of PP + FRP Ducting Chemical resistant PP+FRP (3mm+2mm) rigid & flexible ductwork from Fume Hood to exhaust stack point. The rate is inclusive horizontal and vertical line with other fittings like flanges, bend, support with brackets etc.The measurement taken along the centre line of the finished Ducting pipe line.				
a).	Duct Diameter : 450/300/250mm	Sq.M	1980.00		
7	Replacing of Centrifugal Blower, direct drive, continuous rating as per IS:325, 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 velecity norms and as per safe Fume Hood airflow pattern.				

a).	1.5 / 2 HP Motor 3 Phase with air suction capacity of 3000 CFM (Make Crompton equivalent.)	Nos.	38500.00		
b).	1.0 HP Motor 3 Phase with air suction capacity of 3000 CFM (Make Crompton equivalent.)	Nos.	37400.00		
8	Dismantling the existing damaged 50mm diameter HDPE drain pipe line and making new line with the same materials including all accessories like bend, tee's etc. and necessary cutting of bricks walls and R.C.C structure wherever required, fixing of pipe to wall with clamps, making good all damages, all complete as per the direction of EIC.	R.M	440.00		
9	Cleaning the existing HDPE waste line for Fume Hoods and Sink Counter including scaffolding and labour charges.	R.M	110.00		
10	Providing, fitting and fixing S.S. Pipe (6mm diameter) for Gas line including all fittings and fixture like S.S. Tee, bend, 6mm OD PU Tube, clamps, adaptors etc.	R.M	1100.00		
11	Replacing flexible waste pipe (32mm diameter) for Fume Hoods and Sink Counter including all necessary fixture and labour charges.	R.M	220.00		
12	Replacing the Tube Light set (Philips make) inside the Fume Hoods including removing and fitting the required parts of Fume Hood.	Nos.	715.00		
13	Replacing the existing MCB (same make as per the existing) for the running Fume Hood with capacity 16/32 Amp.	Each	2200.00		
14	Replacing the existing Porcelain/S.S/P.P sink with new P.P rectangular black Sink over the existing black granite matching with top level including filling the gap between granite and sink with proper sealant all complete.	Each	4400.00		