

PROPOSED INTERIORS OF BIO-INCUBATOR AT IITM RESEARCH PARK PHASE-2 AT TARAMANI, CHENNAI.

Date - 30.01.2017

SUPPLY INSTALLATION TESTING AND COMMISSIONING OF HVAC SYSTEM

S.No	Description	Units	Qty	Supply Rate	Erection Rate	Supply Amount	Erection Amount
EQUIPMENTS							
1	Supply installation Testing and commissioning of Chilled Water Cassette: Decorative, Ceiling suspended, chilled water coil, 4 speed fan motor, GI casing, 3D screw fan, drain pump with interlock, sensors & thermostatic function, cordless remote, washable filter, BMS compatibility, self contained valve station, self diagnostic function. Two valve package is to be part of the Cassette Fancoil unit duly wired.						
	1.0TR	Nos	2.00				
	1.5TR	Nos	16.00				
	2.0TR	Nos	3.00				
LOW SIDE WORKS							
1	Supply and erection of GSS rectangular ducting complete with necessary supports, as per the approved layout.						
a	26 G	Sqmt	20				
b	24 G	Sqmt	70				
c	22 G (for Plenum)	Sqmt	0				
2	Supply of Accoustic insulation with 10 mm thick nitrile rubber insulation with suitable adhesive stick to the external surface of the ducts.	Sqm	0				
3	Supply and installation of thermal insulation with 19mm thick al. foil faced XLPE insulation stuck to the external surface of the ducts with suitable adhesives. For clean room	Sqm	90				
4	Air Terminals: Supply air and return grilles	Nos	4				
CHILLED WATER PIPING AND INSULATION							

S.No	Description	Units	Qty	Supply Rate	Erection Rate	Supply Amount	Erection Amount
5	Supplying, laying , fixing, testing and commissioning of following noinal sizes of chilled water pipings insides the building(with necessary clamps, vibration isolators and fittings but ecluding valves, strainers, guages etc), duly insulated with "O"Nitrile rubber foam Insulation applied by adhesive confirming to standed specifications and finally finishing with pollyshield coat above.						
	Ø65mm dia (32 mm thick insulation)	RMT	20				
	Ø50mm dia (32 mm thick insulation)	RMT	40				
	Ø40mm dia (32 mm thick insulation)	RMT	30				
	Ø32mm dia (32 mm thick insulation)	RMT	30				
	Ø25mm dia (25 mm thick insulation)	RMT	115				
	Ø20mm dia (25 mm thick insulation)	RMT	30				
6	Suply and installation of Condensate drain line with PVC 6 kgs piping insulated with 19mm nitrile The price shall include required P trap at the outlet of AHU and with pipe size of Ø50 mm, 40 mm Or 32 mm	RMT	130				
7	Supply and installation of ultrasonic BTU meter in the chilled water line with necessary fittings.						
	25mm dia	Nos	0				
	20mm dia	Nos	21				
	Supply and installation of exhaust fan of capacity 3000 cfm of 50mm static cabinet type fans suitable for open atmosphere with necessary filters,blower,fan motor etc.	Nos	1				
8	Supply and installation of circular inline fresh air fan of capacity 1350 cfm free flow connected to the cassette type units with necessary filters,blower,fan motor etc.	Nos	1				
9	Supply and Installation of fresh air PVC Pipes with necessary fittings,supports,joints,reducers,bends etc.						
	100mm dia	Rmt	150				
	80mm dia	Rmt	RO				
	Total cost without Tax						
	14.5% VAT for Supply						
	15% Service Tax						
	Grand Total						