

S.N.	Description of Items (HVAC SYSTEM)	Unit	Qty	Rate	Price
1	Supply, installation, testing & Commissioning of Fan coil unit, each complete with 3/4 rows deep chilled water coil, centrifugal fans, cleanable fabric filters, main condensate drain pans, auxiliary drain pan, as described in specification or as approved, casing, coil piping connections, wiring, control wiring in conduit up to thermostat boxes. All fan coil units shall be properly hanged with vibration isolator & hanging support above false ceiling and flexible duct connector to be used at each FCU mouth connection. All fan coil units shall be suitable for 220 volts, 50 Hz, single phase power supply. Fan coil units shall be of capacity as mentioned below. Make Blue Star/CARRIER/ DAIKIN or as approved by Bank.				
	a) 6.3 TR cooling capacity with rated air flow of 2500 CFM, 3 speed (H/M/L), ESP = 100 pa (10mm of WG), Sound level = 50 dBA etc.	Each	4		
	b) 4.5 TR cooling capacity with rated air flow of 1550 CFM, 3 speed (H/M/L), ESP = 100 pa (10mm of WG), Sound level = 50 dBA etc.	Each	1		
2	Supplying, laying/ fixing, testing and commissioning of following nominal sizes of chilled water piping (supply & return) inside the building (with necessary clamps & fittings including flanges whenever required but excluding valves, strainers, gauges etc.) duly insulated with fire retardant quality expanded polystyrene (TF quality) moulded pipe section of density 32 kg/cu.m after a thick coat of cold setting adhesive (CPRX compound) wrapping with 500 g polythene faced hessian as per specifications and as required complete in all respect.				
	Note : The Pipes of sizes 150 mm & below shall be M.S. 'C' class as per IS : 1239 and pipes size above 150 mm shall be welded black steel pipe heavy class as per IS: 3589, of nominal thickness 6.35 mm M.S. Sheet for pipes upto 350 mm dia. and nominal thickness 7mm MS sheet for pipes of 400 mm dia and above.				
	65mm dia.	Mtr			
	50mm dia.	Mtr			
	40mm dia. (CWS/CWR)	Mtr	70		
3	Supply, installation, testing and commissioning of following sizes UPVC condensate drain water piping of density 6 Kg/m ³ complete with fittings like elbows, tees, reducers, bends, flanges, supports & duly insulated with 13mm thick nitrile rubber insulation etc. as required.				

S.N.	Description of Items (HVAC SYSTEM)	Unit	Qty	Rate	Price
	a) 32 mm	Mtr	100		
4	Supply, installation, balancing and commissioning of factory fabricated or fabricated at site GSS sheet metal rectangular duct complete with neoprene rubber gaskets, elbows, splitter dampers, vanes, hangers, supports etc. as per approved drawings and specifications of following sheet thickness complete as required.				
	a) Thickness 0.54 mm sheet (26G)	Sqmtr	60		
	b) Thickness 0.63 mm sheet (24G)	Sqmtr	170		
	b) Thickness 0.71 mm sheet (22G)	Sqmtr			
5	Supply and fixing of acoustic lining of supply air duct from inside upto minimum 1.5/2.5 mtr length from fan discharge with 19 mm thick laminated aluminium foil mat finish XLPE polyethylene foam properly fixed with suitable adhesive. complete as required and as per specifications.	Sqmtr	10		
6	Supplying and fixing of following thickness closed cell Nitrile rubber (Class "O") insulation on existing supply air duct after applying suitable adhesive for Nitrile rubber. The joints shall be sealed with 50 mm wide and 3 mm thick self adhesive nitrile rubber tape insulation complete as per specifications and as required.				
	a) 13 mm	Sqmtr	250		
7	Supply, installation, testing and commissioning of GI volume control duct damper complete with neoprene rubber gaskets, nuts, bolts, screws linkages, flanges etc., as per specifications.	Sqmtr	2		
8	Supplying & fixing of powder coated extruded aluminium Supply/Return Air Linear bar Grills with aluminium opposed blade volume control dampers, Double deflection, 0-15 degree - 2 way, 12mm spacing as per specifications.				
	a) 1150 x 150mm (Neck size) Supply air linear bar grill with damper (2 nos)	Sqmtr	3		
	a) 850 x 150mm (Neck size) Supply air linear bar grill with damper (17 nos)				
	b) 150mm width Return air linear bar grill without damper (15 mtr)	Sqmtr	6		
	b) 700 x 150mm Return air linear bar grill without damper (35 nos)				
9	Supplying & fixing of powder coated extruded aluminium Supply square ceiling diffuser with aluminium opposed blade volume control dampers as per specifications.				
	a) 450 x 450mm (Neck size) 4 way Supply air diffuser with damper (21 nos)	Sqmtr	5		
10	Canvas Connections for all indoor FCUs	Nos	5		
				Total	
	Note: Estimated HVAC BOQ as above are revised based on the comments received from SBI Electrical engineer on 15th March 2023. The changes are highlighted with grey colour for your reference.				