

SR. NO.	PARTICULARS	QTY	UNIT	RATE	AMOUNT
PART A					
1	<p>Inverter Ductable Air Conditioner (Non-VRV System) Supply Indoor unit (IDU) shall be GI draw through type sectionalised construction, DX cooling coil of 100% copper tube aluminum fin construction, insulated drain pan, low noise condensor motor / blower, vibration isolators, filter section with 10 micro washable filter, special acrylic precoated heat exchanger, auto check function for connection error, auto address setting, indicators for temperature & mode, remote control with display, automated drain pump, etc. complete set as per the design of OEM.</p> <p>Supply Outdoor - Outdoor unit (ODU) comprising of compressor, copper condenser coil with fan & motor, interconnecting refrigeration piping, starters, controls, cutouts, relays etc., complete set mounted inside a powder coated sheet metal cabinet as per the design of OEM and duly treated for corrosion protection. Makes: Hitachi / Daikin / Voltas / Bluestar / LG / Carrier</p>				
(i)	8.5TR Inverter Ductable Air condition	1	Nos		
(ii)	5.5TR Inverter Ductable Air condition	1	Nos		
2	<p>DX Split - Hi Wall Inverter Unit (Non - VRV System) 1TR Hi wall split Air condition for ATM Supply of Hi-Wall Inverter Split units including cordless remote, Air-cooled type complete with the following components with insulated copper piping from indoor unit to outdoor unit, Minimum 5star rating. Indoor evaporating unit comprising of cooling coils, insulated drain tray, washable filters, blower, Remote control with cording, electrical junction box etc. Outdoor condensing unit comprising of Inverter type scroll type compressor's, copper condenser coils, axial fans pressure switches/cutouts etc. Necessary Refrigerant Gas and oil charge. Inter-connection of refrigerating piping of copper duly insulated with 19 mm nitrile rubber. Complete electrical power wiring from HVAC panel to indoor / outdoor units & control wiring of copper required from indoor and outdoor units. Outdoors unit shall be mounted on painted MS stand. Makes: Hitachi / Daikin / Voltas / Bluestar / LG / Carrier</p>	2	Nos		
TOTAL OF A - HIGH SIDE WORKS				RS.	

PART B					
	Installation Testing & Commissioning of				

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1	Installation, Testing & Commissioning of above supplied Inverter air-conditioners (IDU & ODU) as per the installation standards of the OEM. The rate shall include cost of transportation, shifting, hoisting, mounting on the wall / floor bracket, first fill of refrigerent considering the entire length of the pipe, neccessary civil works, vaccumising, pressure testing, isolation rubber pads, etc. complete. The work shall be carried out in all aspects as required by the Bank & OEM.				
(i)	HITACHI make 8.5TR Ductable Air condition	1	Nos		
(ii)	HITACHI make 5.5TR Ductable Air condition	1	Nos		
(iii)	HITACHI make 1TR Hi wall split Air condition	2	Nos		
2	Refrigerant piping S.I.T.C. of the insulated refrigerant piping for all the units as per specifications with insulation of thick Nitrile rubber throughout the running length of the refrigerant piping with supporting arrangements Copper Ref.Hard piping pair (Liquid+ suction) Outdoor to refnet & refnet to refnet of the required sizes for all the units with refnets as per specs. The insulation shall be of 19mm/13mm thick Armaflex make through out the running length of Ref. piping. The piping shall be well supported at specific intervals with GI supports with insulated PUF saddles and installed on GI cable trays supported from wall/ roof with anchor fasteners & C type ms angle.				
(i)	Copper Refrigerant Piping (Hard)19g 8.5TR (Suction Line 1-1/8"x Discharge Line 5/8")	50	Rmt		
(ii)	Copper Refrigerant Piping (Hard)19g 5.5TR (Suction Line 7/8"x Discharge Line 1/2")	50	Rmt		
(iii)	Copper Refrigerant Piping 22g 1TR	30	Rmt		
3	Square Ducting GSS DUCTING with rods, angle etc. Supply and installation of sheet metal ducting complete with GI threaded supports, vanes, splitters, gaskets for joints, thermal isolation blocks, etc. as per specs. 120 GSM sheets GI Sheet Metal Ducting (Rectangular) Factory Fabricated (made on lock forming machine RTV sealed) All exposed ventilation/un insulated duct work.				
(i)	20 G Galvanised sheet	200	Sq.ft		
(ii)	22 G Galvanised sheet	600	Sq.ft		
(iii)	24 G Galvanised sheet	800	Sq.ft		
3	Acoustic insulation S.I.T.C. .300 corum-25mm thk to the ducting from inside with R P Tissue Paper and 30G Aluminium Perforated Sheet	400.00	Sqft		
4	Insulation of Supply air ducts - Nitrile form soft rubber 13mm Supply and Installation of insulation to the fresh air ducting with 13mm Nitrile rubber insulation class '1'.	1400	Sq.ft		

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5	Control Cabling S.I.T.C. of the control cabling from indoor to outdoor unit & from indoor to outdoors unit and from outdoor to central controller shielded communication copper cable in Hard PVC conduit with all accessories (Polycab/RR/Havells) as approved by Architect/OEM. Complete as directed by the Architect.				
(i)	Electrical cable 3c x 1.5 sq.mm	50	Rmt		
(ii)	Electrical cable 3c x 2.5 sq.mm	40	Rmt		
6	Box type collar damper	20	Sq.ft		
7	Alluminium Powder Coated Grill	100	Sq.ft		
8	Volume control damper Supply, installation, testing and commissioning of manually operated volume control damper in 16 G GI construction for controlling the variation of Flow rate in range 0-100 %	5	Sq.ft		
9	Jet diffuser (Jet Nozil) 300mm dia	10	Nos		
10	Canvass Connection	2	Nos		
11	Metal Stand for 8.5tr Outdoor Unit	1	Nos		
12	Metal Stand for 5.5tr Outdoor Unit	1	Nos		
13	Metal Stand for 1tr Outdoor Unit	2	Nos		
14	PVC Drain piping Providing and fixing following sizes of rigid / flexible UPVC pipe I.S.I. Marked with all required accessories and suitable clamps etc for drain pipe i/c connections to the indoor units etc., as required with 9mm nitrile rubber insulation as per specification. Complete as directed by Architect.				
(i)	32mm PVC Drain piping with insulation	50	Rmt		
(ii)	25mm PVC Drain piping with insulation	35	Rmt		
15	ATM Air condition timer	1	Nos		
16	S.I.T.C. Inline Fan 200 static 1200 CFM as per direction of the Architect / Engineer.	2	Nos		
17	S.I.T.C. 300mm Dia PVC Pipe with all accessories Complete as per direction of the Architect / Engineer.	15	RMT		
	TOTAL OF B - LOW SIDE WORKS			RS.	

SUMMARY OF AIRCONDITIONING WORK					
A	HIGH SIDE WORKS			RS.	
B	LOW SIDE WORKS			RS.	
	TOTAL AIRCONDITIONING WORK			RS.	

GST WILL COST YOU EXTRA