

PRICE BID OF AIRCONDITIONING WORK FOR SME VASHI TURBHE BRANCH

SR. NO.	DESCRIPTION	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
	PART A				
	Outdoor Units (VRF/VRV) Supply of 5 HP SIDE/Top DISCHARGE - High -Efficiency, Hermatically sealed DC Inverter Scroll Compressor, Evaporater& condenser Coils, Microprocessor Controller etc.Low Starting Current, Stepless Capacity Control with DC motors, Wide Oprating Temp.range, Low Noise Design, Intelliegnty Temp.Control. Electrical Details: 380-240 Volts, 3 Phase, 50 Hz AC. Cost to include the Central Controller Unit capable of controlling all the Indoor& Outdoor units connected to it. (Approved make : Bluestar, Daikin, Mitsubishi, Carrier-TOSHIBA, LG, HITACHI and Voltas).				
1	VRF Outdoor unit 24HP	1	Nos		
	Indoor Units (VRF/VRV) Supply of Indoor Cassette/Compact Cassette (Suitable for Grid ceiling)/ HighWall Units, DC Inverter motor complete with Compact cooling coil, Electronic Expansion Valve & Mutispeed Fan motor. with speed contol for low noise, Auto Quiet mode also possible through wired remote,In-built drain pump with 1m lift,very flexiable installation even with deep celing beams.Electrical Details: 220-240V, 1phase, 50Hz AC The blower should be dynamically balanced & designed for silent operation . Filters shall be Plasma & synthetic washable media type arranged for convenient cleaning & replacement., built in drain pump.				
i	3.0 Tr four way Cassette unit (Conference room)	2	Nos		
ii	2.0 Tr four way Cassette unit (Manager cabin & Waiting area)	4	Nos		
iii	1.5Tr four way Cassette unit (Banking hall & Auditors area)	4	Nos		
iv	1.0Tr four way Cassette unit (RM Cabin)	4	Nos		
v	Supply of Imported Branch Distribution Joints / Refnet (Y/T) for VRF system. The Contractor has to propose the actual quantity required for their specific system design with total required quantity included under this head. Note: Vendor has to submit OEM System Generated Piping Layout.Indoor unit 'Y' Type Refnut	13	Nos		
vi	Wireless Remote Controller	14	Nos		
vii	1.0 TR 5 star inverter Hi wall split unit (UPS Room)	2	Nos		
	TOTAL OF PART A			TOTAL	
	PART B				
	Installation Testing & Commissioning of				
	I.T.C. of Out Door/indoor Units suitable for VRF / VRV System. Price shall inclusive of transport,Pressure testing, LIFTING SHIFTING OF ALL VRF UNITS/split unit with making and finishing the hole of wall and other necessary accessories for Pressure Testing, Nitrogen flushing, testing & commissioning of the air-conditioning system.				
i	VRF Outdoor unit 24HP	1	Nos		
ii	VRF four way Cassette unit	14	Nos		
iii	1TR 3star inverter Hi wall split unit	2	Nos		
2	Refrigerant Copper Piping Supply, Installation, Testing & Commissioning of insulated Ref.piping of the required sizes for all the units with refnets as per specs. The insulation shall be of 19mm 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.				
i	Copper Refrigerant Piping (Hard) 25 mm thick nitrilte insulation for VRF	75	Rmt		
ii	Copper Refrigerant Piping 10mm thick nitrilte insulation for split unit	10	Rmt		
3	VRF COMMUNICATION CABLE S.I.T.C. of the control cabling from indoor to outdoor unit & from indoor to outdoors unit and from outdoor to central controller 3c X 2.5 sq.mm. 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.				

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i	3c x 1sq.mm Shielded flexible cable	85	Rmt		
ii	3c x 2.5sq.mm flexible cable	12	Rmt		
4	PVC Drain Pipe with Insulation 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/Bank's Engineer				
i	32 mm dia	30	Rmt		
ii	25 mm dia	55	Rmt		
5	Refrigerant gas charging including necessary pressure testing & vaccumissing etc	20	Kgs		
6	Core Cuttings & filling the same with cement etc	3	Nos		
7	Metal Stand for 24 hp Outdoor Unit Providing and fixing M.S. Stand as per the Mfg. specification & standard requirement for fixing out door units of VRV/VRF. The contractor should visit the site and provide & fix stand which can take care of safety measures before installation and also while doing A.M.C. service in future date. Complete as directed by Architect.	1	Nos		
8	Providing and fixing powered coated Metal Stand for 1tr Split AC Outdoor Unit	2	Nos		
9	Digital Sequence Timer for AC / Exhaust fans at UPS room	1	Nos		
	TOTAL OF PART B			Total	

SUMMARY AIR CONDITIONING WORK					
	TOTAL OF PART-A- (SUPPLY OF MACHINE)			RS.	
	TOTAL PF PART-B- (INSTALLATION OF MACHINE)			RS.	
	GRAND TOTAL except GST				
	GST WILL BE PAYABLE EXTRA				