

BOQ for the Airconditioning Works at RBO URBAN(SHIFTING), GUNTUR, AP					
S.NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
A	PART - A - HIGH SIDE BOQ				
1	Condensing Unit (Outdoor Unit):				
	Supply of Air cooled VRV/VRF outdoor units for the mentioned capacities comprising of multiple Inverted hermetically sealed scroll compressors to ensure high EER low noise propeller type aero spiral fan,				
1.1	Cap:10 HP Outdoor Unit	Nos	3		
2	Supply of CASSETTE UNITS type indoor units comprising with pre-filter, fan section with low noise fan multi speed motor, coil section with DX coil, outer cabinet, drain water lift-up mechanism, insulation, pipe connections etc. of various capacities as pe				
2.1	Cap: 2.0 Ton 4way Cassette	Nos	10		
2.2	Cap: 3.0 Ton 4way Cassette	Nos	1		
2.3	Cap: 4.0 Ton 4way Cassette	Nos	2		
3	Multi kits for indoor units (both suction and liquid lines)	Nos	13		
4	Connecting kits for Outdoor units (both suction and liquid lines)	Nos	2		
5	PC Based Centralized Controller				
5.1	Supply, installation ,testing and commissioning of Stand-alone Touch panel type Centralized Control system through a PC , monitor to suit the above VRV/VRF equipment(1Nos of 32HP outdoor units a	Set	1		
	Total Amount for Equipment (Part -A)				
B	PART- B -LOW SIDE WORKS				
1	Lifting, Shifting, Positioning & Installation of VRF Outdoor units	Nos	3		
2	Lifting, Shifting, Positioning, Installation , Commissioning and Testing of VRF Indoor units	Nos	13		
3	Vacuuming the system, Gas topping up of R410a, pressure testing and commissioning of above system.	Lot	1		
4	Supply & installation of suction & discharge Hard copper Refrigerant piping with proper supports/hangers from ceiling/wall as required at site & approved by consultant & duly insulated with closed cell elastomeric nitrile insulation of 19mm thick for pipe				
4.1	a)31.05mm	Rmt	30		
4.2	b)28.6mm	Rmt	15		
4.3	c)25.4mm	Rmt	25		
4.4	d)22.1mm	Rmt	25		

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4.5	e)19.1mm	Rmt	15		
4.6	f)15.9mm	Rmt	30		
4.7	g)12.7mm	Rmt	35		
4.8	h)9.5mm	Rmt	45		
4.9	i)6.4mm	Rmt	25		
5	Supply and Erection of hard PVC condenseted drain piping with 9mm thick Nitrile insulated including support and wall opening of the following sizes etc..				
5.1	a) 32mm Dia	Rmt	150		
6	Supply and Laying of Control and communication cable and connecting the IDUs and ODU's (control wiring using 2C X 1.5 Sq.mm copper cable) with conduit	Rmt	250		
7	Supply and Erection of MS angle frame or stand work (Including catwalk railing to be provided for servicing of outdoor units and scuffholding) from beam b for installation of VRV outdoor units with 2 coat black colour enamel paint.	Nos	3		
	Associated Civil works				
8	Chipping ,chasing & Plastering the wall openings in cement mortar 1:6 of 15 mm thick finishing to line and level with sand facied finishing at all levels, including all leads & lifts, scaffolding, curing etc complete (for Copper & Drain openings in all ro	Lot	1		
	Total Amount for Low side works(Part-B)				
	Total Amount (PART-A+PART- B)				