

**BOQ - VRF AC SYSTEM - CANARA BANK,SAHAKARNAGAR I BRANCH ,BANGALORE**

Specify the make and model		Make:_____			
TOSHIBA / HITACHI / VOLTAS/DAIKIN/CARRIER		Model: No_____			
S	ITEM DESCRIPTION	Qty	Units	Rate in Rs.	AMOUNT in Rs.
No					Excluding GST
	Variable Refrigerant Flow System Side discharge				
	Supply, Installation, Testing & Commissioning of <b><u>Variable Refrigerant Flow type multi-unit Air-Conditioning system with R410A Refrigerant</u></b> complete with indoor and outdoor units with individual controller for cooling & heating type operations. SIDE DISCHARGE				
	<b><u>Outdoor Unit :</u></b> Supply of Modular type outdoor units equipped with highly efficient rotary compressors and with 4 way heat exchanger, low noise condenser fan, auto check function for connection error, auto address setting, with capacities as mentioned below:				
1	08 HP COOLING ONLY SYSTEM	Nos	2		
	<b><u>Indoor Units</u></b> Supply of Indoor units equipped with pre-filter, fan section with low noise fan, multispeed motor, coil section with DX coil, outer cabinet, drain pan, insulation, pipe connections etc. of various capacities as per specifications and drawings		Internal		
	VRF 4-WAY CASSETTE				
A	3.0TR ( 3X3)	Nos	2		
B	2.0TR ( 3X3)	Nos	2		
C	1.0TR (2x2)	Nos	1		
D	1.25TR (2x2)	Nos	1		
3	REFNETS	Nos	5		
4	WIRELESS REMOTES	Nos	6		
5	Suppy, Fixing, Testing & comissioning of following 3 star rated AC units, with evaporator copper coil & imported refrigerant joints, with wireless remote controller (Make:- Bluestar / Daikin / LG/ Voltas) Split 1 TON - INVERTER TECHNOLOGY	Nos	2		
6	REFRIGERANT PIPING				

	Supply, Installation, testing and commissioning including vaccumiazation and Nitrogen testing of following nominal sizes of soft/hard drawn copper refrigerant piping for VRV/VRF system, complete with fittings, with suitable adjustable ring type hanger supports, jointing/brazing including accessories, insulated with XPLE Class-O tubular insulation/with Class-O closed cell elastomeric nitrile rubber tubular sleeves sections of (tube thickness 1.2 mm with 19 mm thick insulation)specified thickness as given below for Suction and Liquid lines, all accessories as per specifications etc. as required : Make : Maxflow,total line,mandev,				
A	06.35 mm	Rmt	20		
B	09.52 mm	Rmt	30		
C	12.70 mm	Rmt	45		
D	15.88 mm	Rmt	25		
E	19.05 mm	Rmt	20		
F	22.22 mm	Rmt	20		
G	28.58 mm	Rmt	15		
H	31.80 mm	Rmt	10		
7	Installation of cassette/ Hi wall indoor units	Nos	8		
8	TRANSMISSION & CONTROL WIRING				
	Providing & fixing of 2C x 2.5 Sqmm Copper Shielded Cable FRLS for control cum transmission wiring in medium duty PVC Conduit between indoor and outdoor units.				
A	2C x 2.5 Sqmm Copper Shielded Cable	Rmt	180		
	BRAND – ANCHOR, HAVELLS, FINOLEX				
9	supply and laying of PVC pipe for fresh air systems for cassette indoor units				
a	150 mm	Rmt	20		
b	110 mm	Rmt	30		
c	75 mm	Rmt	50		
10	Supply and fixing of 300 cfm <b>mixflow</b> Inline fan	Nos	2		
11	DRAIN PIPING				
	Providing & fixing rigid UPVC piping complete with fittings, supports as per specifications and pre insulate with 6mm thick closed cell elastomeric nitrile rubber tubular insulation and cover with PVC wrapping white tape.				
A	25 mm dia	Rmt	50		
B	32 mm dia	Rmt	25		
12	Supply and charging of additional refrigerant for above system	KG	10		
13	supply and fixing of Out door mounting stand	Nos	2		
14	core cutting if required	Nos	10		
15	Lifting, Shifting, loading & unloading of AC units	Lump	1		
16	Supply and fixing of ATM Timer for acs	Nos	1		
	Sub Total for SITC of VRF System (A)				
	GST Paid Extra				
	Total				
	GST Paid Extra				
	GRAND TOTAL (A) + (B)				