

BOQ FOR INSTALLING SPLIT AIR CONDITIONERS AT CANARA BANK FOR AT RO OFFICE AT REGIONAL OFFICE VADODARA					
A	AIR CONDITIONING - VRV/VRF	QTY	UNIT	RATE	AMOUNT
I	<b>SUPPLY OF EQUIPMENT</b>				
	Supply of Variable Refrigerant Volume (VRV / VRF) System with providing all inclusive service including all spares during -01- year of warranty period				
1	Supply, Installation, Testing and Commissioning of Variable refrigerant volume type air-conditioning system suitable for cooling using <b>100% Fully Inverter</b> compressors based of R- 410A / R - 407C or equivalent refrigerant gas complete as per specifications INCLUDING REMOTE CONTROLS				
	<b>MAKE: VOLTAS / DAIKIN /MITSUBISHI ELECTRIC/O GENRAL</b>				
1.1	<b>Supply of Outdoor Unit</b>				
1.1.1	Supply of 24 HP Unit	1.00	Nos.		
1.1.2	Supply of 22 HP Unit	1.00	Nos.		
1.2	<b>Supply of Indoor Unit</b>				
a	<b>Cassette unit with FOUR WAY ROUND FLOW OR REGULAR FLOW CASSATTE TYPE INDOOR UNIT WITH DRAIN PUMP</b>				
1.2.1	3.0 TR CASSETTE UNIT	5.00	Nos.		
1.2.2	2.5 TR CASSETTE UNIT	2.00	Nos.		
1.2.3	2.0 TR CASSETTE UNIT	1.00	Nos.		
b	<b>HI WALL SPLIT TYPE INDOOR UNIT</b>				
1.2.3	1 TR HI-WALL TYPE SPLIT UNIT	4.00	Nos.		
1.2.4	1.5 TR HI-WALL TYPE SPLIT UNIT	7.00	Nos.		
1.2.5	2 TR HI-WALL TYPE SPLIT UNIT	2.00	Nos.		
	<b>TOTAL</b>				
II	<b>LOW SIDE WORK</b>				
1	<b>Refrigerant Piping and Ref Joint</b>				
	ALL DETAILS DRAWING SHOULD BE MADE BY VENDOR AS MFQ. COMPANY NORMS.WORK SHALL BE STARTED AFTER THE SUBMISSION OF DRAWING BY THE AUTHORISED PERSON OF MFQ. COMPANY WITH COVERING LETTER				
	Supply & Installation of interconnecting Refrigerant copper pipe size approved by O&M Company, insulated with 19 mm thick closed cell electrometric nitrile <b>class 'O'</b> type rubber tubular insulation between each set of indoor & outdoor units, all piping inside the room shall be properly fixed/supported with suitable size of clamp/ M.S. hanger and all external/ exposed to sun piping shall run in M.S. painted cable tray etc. as required.				
1.1	Supply and Installation of approved Copper Pipe with Insulation as per the specifications	400.00	RMT		
1.2	Supply, Installation, testing and commissioning of All REF NET joints and Accessories with insulation for above VRV System.	20.00	Nos.		
2	<b>Drain Piping</b>				
2.1	<b>Supply &amp; Installation of 32/25/19/12 MM Rigid CPVC</b> piping complete with fittings, supports and duly insulated with 6 mm thick closed cell nitrile <b>class 'O'</b> rubber insulation.	275.00	RMT		
3	<b>Control &amp; Transmission Wiring</b>				
3.1	Providing & fixing control cum transmission wiring of 3 core x 1.5 sq mm Shielded/Seathed flexible control cable between indoor and out door unit as per the specifications with necessary supports	400.00	RMT		
4	<b>MS Stand for Outdoor Units</b>				
4.1	MS FABRICATED AND DULY POWDER COATED STANDS/Plat Form Heavy M. S. "C" Channel of 75mmx40mmx5mm FOR ALL VRF OUTDOOR UNITS WITH SERRATED RUBBER PADS installed as per directed by architect/bank	2.00	Nos.		
5	<b>Installation, Testing &amp; Commissioning</b>				
A	HANDLING, LIFTING & SHIFINING AND INSTALLATION OF ALL OUTDOOR UNITS AT SITE WITH REQUIRED ANCHOR BOLTS,GI THREADED ROD ETC. INCL TOPPING UP REFRIGERANT, PRESSURE CHECKING ETC AS PER THE SITE REQUIREMENT AND APPROVED DRAWING BY ARCHITECT	1.00	LOT		
B	<b>INSTALLATION OF INDOOR UNITS</b>				
1	3.0 TR CASSETTE UNIT	5.00	Nos.		
2	2.5 TR CASSETTE UNIT	2.00	Nos.		
3	2.0 TR CASSETTE UNIT	1.00	Nos.		
4	2 TR HI-WALL TYPE SPLIT UNIT	2.00	Nos.		
5	1.5 TR HI-WALL TYPE SPLIT UNIT	7.00	Nos.		
6	1 TR HI-WALL TYPE SPLIT UNIT	4.00	Nos.		
6	<b>Civil Work</b>				
6.1	MISC. CIVIL WORK WALL / SLAB / BEAM CORE CUTTING TO PASS DUCTS &	3.00	Nos.		
	<b>PART 'II'</b>				
	<b>TOTAL PART 'I' &amp; PART 'II'</b>				

<b>B</b>	<b>AIR CONDITIONING WORK - SPLIT AC</b>	<b>QTY</b>	<b>UNIT</b>	<b>RATE</b>	<b>AMOUNT</b>
<b>I</b>	<b>SUPPLY OF EQUIPMENT</b>				
1)	Split Air Conditioner Unit - <b>VOLTAS/ BLUESTAR/ HITACHI/ CARRIER(MIDEA BRAND IS NOT ALLOWED)</b>				
	a) 1.0tone -5star	2.00	No.		
	<b>TOTAL -I</b>				
<b>II</b>	<b>LOW SIDE WORK</b>				
2)	Installation Charges				
	a) split ac	2.00	No.		
3)	Copper Piping for additional length beyond 5.0 mt. of standard length connecting Indoor Unit with respective Outdoor Unit including 4core ISI round power cable concealed in PVC pipes, Tubular Insulation , 25 mm. PVC Water Drain Pipes .	25.00	Rmt		
4)	25mm Dia. Heavy-duty drainpipe concealed in wall /floor as directed complete.	40.00	Rmt		
5)	Minimum 35 mm / 5 mm thickness heavy duty fabricated Balcony Type anti-rust painted M.S. angle stand for mounting condenser.	2.00	No.		
	<b>TOTAL II</b>				
	<b>TOTAL OF AIR CONDITIONING "I + II"</b>				
	<b>TOTAL FOR VRV AND SPLIT AC WORK</b>				

(GST EXTRA AS PER APPLICABLE RATE)

**GARND TOTAL IN words in Rs.**

**SIGNATURE WITH SEAL OF THE CONTRACTOR**