

STATE BANK OF INDIA							
ESTIMATE-AIR CONDITIONING WORKS OF SBI MYSURU ROAD BRANCH,RBO2, AO-1 BENGALURU, KARNATAKA							
SL. NO.	EQPT DESCRIPTION	Unit	Qty	Supply		Installation	
				Rate	Amount	Rate	Amount
				Supply			
1	Supply Installation, Testing and Commissioning of the following rating of inverter VRF outdoor units (ODUs) of fully inverter type . The specified capacities shall be actual cooling capacities at 36C DBT and 25.6C WBT ambient conditions and 23C / 60% RH Room Conditions. ODU Shall be mounted on suitable cement concrete pedestal duly plastered and painted on the terrace as required.						
	h. 44.0 kW Cooling capacity (16.0 HP) - - top throw	Nos	1		-		0
					-		0
	0				-		0
2	Supply Installation, Testing and Commissioning of the following rating of VRF Indoor units. Max of TR and CFM specifications should be met incase of specific product discrepancies. Price of cassette units to include face plates. Price to include wiring from the nearby power outlet.				-		0
	e. 1.60TR 459CFM 4-way-CASSETTE 2x2 (5.6kW)	Nos	1		-		0
					-		0
	j. 2.01TR 670CFM 4-way-CASSETTE 3x3 (7.1kW)	Nos	1		-		0
	l. 3.00TR 950CFM 4-way-CASSETTE 3x3 (10.6kW)	Nos	2		-		0
	m. 4.00TR 1200CFM 4-way-CASSETTE 3x3 (14.1kW)	Nos	1		-		0
			5		-		0
3					-		0
	a. S,I,T & C Cordless remote controller	Nos	5		-		0
	b. S,I,T & C Wired group controller (to control min 35 IDUs) and the minimum operation like ON/OFF, controlling individual IDU temperature, on off timer, facility for creating Zones etc shall be available	Nos	1		-		0
					-		0
4					-		0
	S,I,T & C Refnut joint Kits for above combination of machines	Lot	1		-		0
5					-		0
	S, I, T & C Refrigerant Cu Piping for VRF equipment with 18G HD Copper pipes, insulated with specified thickness nitrile rubber tubings and joints sealed with black cotton tape.				-		0
	c. 28.6 mm with 19mm thick insulation	Rm	15		-		0
	d. 25.5 mm with 19mm thick insulation	Rm	5		-		0
	e. 22.2 mm with 13 mm thick insulation	Rm	5		-		0
	f. 19.1 mm with 13 mm thick insulation	Rm	8		-		0
	g. 15.9 mm with 13 mm thick insulation	Rm	30		-		0
	h. 12.7 mm with 13 mm thick insulation	Rm	50		-		0
	i. 9.5 mm with 13 mm thick insulation	Rm	40		-		0
	j. 6.0 mm with 13 mm thick insulation	Rm	60		-		0
					-		0
6					-		0
	S,I,T & C Control wiring / network wiring using recommended quality of multicore wires in PVC Conduit	m	100		-		0
7					-		0
	S,I,T & C Pressure , testing & commissioning of the refrigerent lines with nitrogen, and Topping Up of R 410a/R32.include hoisting .	Lot	1		-		0
					-		0
8	Supply of minimum 2.0 TR capacity , Ceiling mounted- Cassette-split air conditioners INVERTER-type with all modern facilities , first fill of refrigerant complete as under: Indoor unit: Ceiling mount comprising cooling coil, evaporator fan with motor, filters, insulated drain pan, drain pump, expansion valve, refrigerant filter drier with codeless remote control unit, etc: with Temperature indication. Outdoor unit: comprising inverter type hermetically sealed scroll/Rotary compressors, condenser coil with fan & motor, starters / controls / cutouts / relays etc., mounted inside a powder coated sheet metal cabinet of 2mm thick, duly treated for corrosion protection complete, mounted on ribbed rubber pads. The condenser & vaporizer should be Copper only. Capacity : 7.03kW(+5%) cooling capacity, 1-Phase Inverter AC , LATEST BEE STAR RATING: 3 star and above	Nos	2		-		0
	b). Hard / Soft drawn Refrigerant piping circuit with 13mm thick nitrile rubber insulation. One refrigerant pipe circuit shall be inclusive of Suction gas & Liquid refrigerant pipe, interconnecting indoor and outdoor units	Mtr	20		-		0
	c). Necessary electrical copper wiring including earthing conductor in rigid PVC conduit. Electrical Power & control cable between the indoor and outdoor unit with armored copper cable of suitable size along with the copper pipe routing.	Mtr	22		-		0
9					-		0

10	Supply and installation of Air curtain of 2m width(door opening 1.8m), operating height 2.75m	Nos	1		-	0
11					-	0
	S,I,T & C Acoustically insulated mixed flow inline Fresh air fan with accessories for FA distribution to cassette units 100cfm 10MM STATIC	Nos	1		-	0
12					-	0
13	S,I,T & C PVC pipe for fresh air distribution with necessary fittings and supports				-	0
a	225mmdia	Rm	10		-	0
b	163mmdia	Rm	15		-	0
c	110mmdia	Rm	20		-	0
d	75mmdia	Rm	30		-	0
					-	0
15					-	0
	S,I,T & C of Fresh air connection with disc valve and accessories including flexible duct	Nos	6		-	0
16					-	0
	All related civil works involved with the above scope of work except core cutting and any structural work. Viz; providing concrete foundation for each ODU of ~ SIZE 150mm X 1200mm X 1000mm (HxWxL)	L.S	1		-	0
19					-	0
	Chlorinated Polyvinyl Chloride pipes (CPVC) pipe up to 50mm dia with Fittings up to 50mm dia SDR.11 with 13mm thick nitrile rubber insulation., supports etc.				-	0
a.	32 dia	Rm	12		-	0
b.	25 dia	Rm	20		-	0
b.	20 dia	Rm	40		-	0
					-	0
20	Supply Factory made Metallic Wall mounting supports for the condenser of Split Air Conditioners - Hi Wall./ cassette (floor mountng/ wall mounting type)	Rm	2		-	0
						0
21	GI LADDER TRAY : Suppy and installation of medium duty GI Ladder type cable tray of following size. (Rate shall be inclusive of all bends supports,etc. And supports to be not more than 1000mm apart)					0
	i) 200mmx50mm(WxH)	Rm	50		-	0
						0
22	Core cutting through concrete slab, beams, lintels, brick or block masonry up to 120mm depth.				-	0
a.	Up to 50mm Dia	Nos	2		-	0
					₹ 0.00	₹ 0.00
	GRAND TOTAL				₹ 0.00	
All the rates mentioned in the above estimate is excluding GST/any Taxes.						