

STATE BANK OF INDIA

PRICE BID –AIR CONDITIONING WORKS OF ACB GANGAVATHI

Sl No.	Equipment discription/ Particulars	Unit	Quantit	Rate	Amount
1.a	Supply of minimum 4.0 TR capacity, Ceiling mounted-	Nos	0		
1.b	Installation testing and commissioning of above above item	Nos	0		
1.c	Hard / Soft drawn Refrigerant piping circuit with 13mm thick	m	0		
1.d	Installation testing and commissioning of above above item	m	0		
1.e	Necessary electrical copper wiring including earthing	m	0		
1.f	Installation testing and commissioning of above above item	m	0		
2.a	Supply of minimum 3.0 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 . <u>Capacity: 10.55kW(+5%)</u> cooling capacity, 3-Phase Inverter AC , LATEST BEE STAR RATING: N/A	Nos	2		
2.b	Installation testing and commissioning of above above item	Nos	2		
2.c	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 (both suction and discharge lines	m	22		
2.d	Installation testing and commissioning of above above item	m	22		
2.e	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.	m	28		
2.f	Installation testing and commissioning of above above item	m	28		

3.a	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 . <u>Capacity : 7.03kW(+5%)</u> cooling capacity, 1-Phase Inverter AC , LATEST BEE STAR RATING: 3 star and above	Nos	1		
3.b	Installation testing and commissioning of above above item	Nos	1		
3.c	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 (both suction and discharge lines	m	11		
3.d	Installation testing and commissioning of above above item	m	11		
3.e	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.	m	14		
3.f	Installation testing and commissioning of above above item	m	14		
4.a	Supply of minimum 1.5 TR capacity, Ceiling mounted-	Nos	0		
4.b	Installation testing and commissioning of above above item	Nos	0		
4.c	Hard / Soft drawn Refrigerant piping circuit with 13mm thick	m	0		
4.d	Installation testing and commissioning of above above item	m	0		
4.e	Necessary electrical copper wiring including earthing	m	0		
4.f	Installation testing and commissioning of above above item	m	0		
			0		
5.a	Supply of minimum 2.0Tr capacity, Hi-wall mounted Split Air	Nos	0		
5.b	Installation testing and commissioning of above above item	Nos	0		
5.c	Hard / Soft drawn Refrigerant piping circuit with 13mm thick	m	0		

5.d	Installation testing and commissioning of above above item	m	0		
5.e	Necessary electrical copper wiring including earthing	m	0		
5.f	Installation testing and commissioning of above above item	m	0		
			0		
6.a	Supply of minimum 1.5Tr capacity, Hi-wall mounted Split Air Conditioners-INVERTER-type including set of copper piping, drain piping & electrical wiring up to 3meters between indoor and outdoor units and first fill of refrigerant. Indoor unit: HI-Wall Mount comprising - cooling coil, evaporator fan with motor, filters, insulated drain pan, expansion valve/venturi, refrigerant filter drier with codeless remote control unit, etc. Outdoor unit: comprising Single phase hermetically sealed Compressor, condenser coil with fan & motor / controls / cutouts / relays etc., mounted inside a powder coated sheet metal cabinet of 2mm thick, duly treated for corrosion protection in complete, mounted on ribbed rubber pads. The condenser & vaporizer should be Copper only . <u>Capacity : 5.27kW(+5%)</u> cooling capacity, 1-Phase Inverter AC , LATEST BEE STAR RATING: 5star and above	Nos	2		
6.b	Installation testing and commissioning of above above item	Nos	2		
6.c	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 (both suction and	m	30		
6.d	Installation testing and commissioning of above above item	m	30		
6.e	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.	m	36		
6.f	Installation testing and commissioning of above above item	m	36		

7.a	Supply of minimum 1.0Tr capacity, Hi-wall mounted Split Air Conditioners-INVERTER-type including set of copper piping, drain piping & electrical wiring up to 3meters between indoor and outdoor units and first fill of refrigerant. Indoor unit: HI-Wall Mount comprising - cooling coil, evaporator fan with motor, filters, insulated drain pan, expansion valve/venturi, refrigerant filter drier with codeless remote control unit, etc. Outdoor unit: comprising Single phase hermetically sealed Compressor, condenser coil with fan & motor / controls / cutouts / relays etc., mounted inside a powder coated sheet metal cabinet of 2mm thick, duly treated for corrosion protection in complete, mounted on ribbed rubber pads. The condenser & vaporizer should be Copper only . <u>Capacity : 3.51kW(+5%)</u> cooling capacity, 1-Phase Inverter AC , LATEST BEE STAR RATING: 5star and above	Nos	5		
7.b	Installation testing and commissioning of above above item	Nos	5		
7.c	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 (both suction and discharge lines)	m	20		
7.d	Installation testing and commissioning of above above item	m	20		
7.e	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	m	13		
7.f	Installation testing and commissioning of above above item	m	13		
			0		
8	Supply and installation of Air curtain of 2m width(door opening 1.8m), operating height 2.75m	Nos	1		
			0		
9	Supply, Installation, testing and commissioning of 4KVA Voltage Stabilizer suitable for the Air conditioners intelligent time delay (for 2.0Tr /1.5Tr AC)	Nos	1		
			0		
10	Supply, Installation, testing and commissioning of 3KVA Voltage Stabilizer suitable for the Air conditioners intelligent time delay (for 1.0Tr AC)	Nos	5		
			0		

11	Supply and erection of 20cm wide pre fabricated painted GI tray with supports at every 60cm, supported from the ceiling to draw the refrigerant copper piping upto the condenser unit.	m	50		
			0		
12	SUPPLY and installation of timer switch for AC in Server room / ATM room with =2NO 2NC contactor	Nos	1		
			0		
13	Supply and installation of Drain piping using rigid CPVC pipe 25mm	m	60		
			0		
14	Supply installation testing and commissioning of Drain pump	Nos	0		
			0		
15	Supply Factory made/fabricated Heavy Metallic Wall mounting supports for the condenser of 4Tr &3Tr Cassette AC ODUs	Nos	3		
			0		
16	Supply Factory made Metallic Wall mounting supports for the condenser of Split Air Conditioners - Hi Wall.	Nos	7		
			0		
17	S,I,T & C Acoustically insulated mixed flow inline Fresh air fan with accessories for FA distribution to cassette units ~200cfm 10MM STATIC - (154mm dia coaxial fan) in Alluminium powder coated fresh packahe unit with filter/grills. (filter should be removable type for cleaning and maintenance)	Nos	1		
			0		
18	S,I,T & C PVC pipe for frech air distribution with necessary fittings and supports reducers, 'Y'joints, 'T's etc.		0		
	a. 225dia	Rm	0		
	b. 163dia	Rm	10		
	c. 110dia	Rm	10		
	d. 75dia	Rm	20		
			0		
19	S,I,T & C flexible connections to Highwall units/ Fresh air with disc valve and accessories including flexible duct	Nos	5		
			0		
20	Core cutting through concrete slab, beams, lintels, brick or		0		
	a. Up to 50mm Dia	Nos	0		
	b. 500mm to 100mm dia	Nos	0		
	c. 100mm to 150mm dia	Nos	7		
Total (excluding GST)					