

STATE BANK OF INDIA

PRICE BID –AIR CONDITIONING WORKS OF IIT DHARWAD BRANCH

Sl No.	Equipment description/ Particulars	Unit	Quantity	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-	Nos	0		
2.b	Installation testing and commissioning of above above item	Nos	0		
2.c	Hard / Soft drawn Refrigerant piping circuit with 13mm thick	m	0		
2.d	Installation testing and commissioning of above above item	m	0		
2.e	Necessary electrical copper wiring including earthing	m	0		
2.f	Installation testing and commissioning of above above item	m	0		
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	2		
3.b	Installation testing and commissioning of above above item	Nos	2		
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	15		
3.d	Installation testing and commissioning of above above item	m	15		
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	m	17		
3.f	Installation testing and commissioning of above above item	m	17		
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		
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		
6.a	Supply of minimum 1.5Tr capacity, Hi-wall mounted Split Air	Nos	0		
6.b	Installation testing and commissioning of above above item	Nos	0		
6.c	Hard / Soft drawn Refrigerant piping circuit with 13mm thick	m	0		
6.d	Installation testing and commissioning of above above item	m	0		
6.e	Necessary electrical copper wiring including earthing	m	0		
6.f	Installation testing and commissioning of above above item	m	0		
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. Capacity : 3.51kW(+5%) cooling capacity, 1-Phase Inverter AC , LATEST BEE STAR RATING: 5star and	Nos	2		
7.b	Installation testing and commissioning of above above item	Nos	2		
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	10		
7.d	Installation testing and commissioning of above above item	m	10		
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		
8	Supply and installation of Air curtain of 2m width(door opening 1.8m), operating height 2.75m	Nos	1		

9	Supply, Installation, testing and commissioning of 4KVA	Nos	0		
10	Supply, Installation, testing and commissioning of 3KVA Voltage Stabilizer suitable for the Air conditioners intelligent time delay (for 1.0Tr AC)	Nos	2		
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	m	10		
12	SUPPLY and installation of timer switch for AC in Server room	Nos	0		
13	Supply and installation of Drain piping using rigid CPVC pipe 25mm	m	30		
14	Supply installation testing and commissioning of Drain pump with UPVC Construction, with sufficient water holding capacity with float valve, automatic controller etc as	Nos	1		
15	Supply Factory made/fabricated Heavy Metallic Wall mounting supports for the condenser of 4Tr &3Tr Cassette	Nos	2		
16	Supply Factory made Metallic Wall mounting supports for the condenser of Split Air Conditioners - Hi Wall.	Nos	2		
17	S,I,T &C Acoustically insulated mixed flow inline Fresh air fan	Nos	0		
18	S,I,T & C PVC pipe for frech air distribution with necessary fittings and supports reducers, 'Y'joints, 'T's etc.				
a.	225dia	Rm	0		
b.	163dia	Rm	0		
c.	110dia	Rm	0		
d.	75dia	Rm	0		
19	S,I,T & C flexible connections to Highwall units/ Fresh air	Nos	0		
20	Core cutting through concrete slab, beams, lintels, brick or block masonry up to 120mm depth.				
a.	Up to 50mm Dia	Nos	2		
b.	500mm to 100mm dia	Nos	0		
c.	100mm to 150mm dia	Nos	0		
Total (excluding GST)					