STATE BANK OF INDIA

PRIE BID -AIR CONDITIONING WORKS OF BM ROAD KUNIGAL BRANCH

SI No.	Equipment discription/ Particulars	Unit	uantit	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		
	Hard / Soft drawn Refrigerant piping circuit with 13mm thick	m	0		
	Installation testing and commissioning of above above item	m	0		
	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	١.,			
		Nos	3		
	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: 10.55kW(+-5%)cooling capacity, 3-				
	Phase Inverter AC , LATEST BEE STAR RATING: N/A				
2.b	Installation testing and commissioning of above above item	NI	2		
		Nos	3		
2.c	Hard / Soft drawn Refrigerant piping circuit with 13mm thick				
	nitrile rubber insulation. One refrigerant pipe circuit shall be				
	_ · · ·	m	45		
	inclusive of Suction gas & Liquid refrigerant pipe,	'''	45		
	interconnecting indoor and outdoor units (both suction and				
	discharge lines				
2.d	Installation testing and commissioning of above above item	m	45		
		111	40		
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		51		
		''') J		
	copper cable of suitable size along with the copper pipe				
	routing.				
2.f	Installation testing and commissioning of above above item		га		
		m	51		
2 2	Supply of minimum 2 0 TR capacity. Ceiling mounted-	Nos	0		
	Installation testing and commissioning of above above item	Nos	0		
	Hard / Soft drawn Refrigerant piping circuit with 13mm thick	m	0		
3 d	Installation testing and commissioning of above above item	m	0		
	Necessary electrical conner wiring including earthing	m	0		1
3 f	Installation testing and commissioning of above above item	m	0		

4.a. Supply of minimum 1.5 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 drire 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 / cutous / 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 : 5.27kW(+-5%)cooling capacity, 1-Phase Inverter AC , LATEST BEE STAR RATING: 3star and above 4.b. Installation testing and commissioning of above above item A.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 4.d. Installation testing and commissioning of above above item A.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. 4.f. Installation testing and commissioning of above above item Mos o So S					
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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	1103	1	
7.b	Installation testing and commissioning of above above item	Nos	1	
	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	7	
7.d	Installation testing and commissioning of above above item	m	7	
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 routing.		10	
7.f	Installation testing and commissioning of above above item	m	10	
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 Voltage Stabilizer suitable for the Air conditioners intelligent time delay (for 2.0Tr /1.5Tr AC)	Nos	2	
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	m	30	
12	SUPPLY and installation of timer switch for AC in Server room	Nos	1	

13	Supply and installation of Drain piping using rigid CPVC pipe 25mm	m	35		
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 AC ODUs		5		
	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 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		
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		
	163dia	Rm	3		
	110dia	Rm	25		
d.	75dia	Rm	10		
19	S,I,T & C flexible connections to Highwall units/ Fresh air with disc valve and accessories including flexible duct	Nos	6		
20	Core cutting through concrete slab, beams, lintels, brick or				
	block masonary up to 120mm depth.				
a.	Up to 50mm Dia	Nos	1		
b.	500mm to 100mm dia	Nos	1		
C.	100mm to 150mm dia	Nos	1		
	Total (excluding GST)				