STATE BANK OF INDIA PRICE BID –AIR CONDITIONING WORKS OF RACC KUNIGAL BRANCH

SI No. Equipment discription/ Particulars Unit Unit Unantit Rate Amount		PRICE BID TAIR CONDITIONING WORKS OF RACE RO				
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2.e Necessary electrical copper wiring including earthing conductor m 0 2.f Installation testing and commissioning of above above item m 0 3.a Supply of minimum 2 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	2.c	Hard / Soft drawn Refrigerant piping circuit with 13mm thick	m	0		
2.f Installation testing and commissioning of above above item m 0 3.a Supply of minimum 2 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	2.d	Installation testing and commissioning of above above item	m	0		
3.a Supply of minimum 2 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	2.e	Necessary electrical copper wiring including earthing conductor	m	0		
3.a Supply of minimum 2 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	2.f	Installation testing and commissioning of above above item	m	0		
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		-				
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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						
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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						
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						
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						
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		i ·				
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			Nos	2		
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		hermetically sealed scroll/Rotary compressors, condenser coil				
thick, duly treated for corrosion protection complete, mounted on ribbed rubber pads. The condenser & vaporizer should be		with fan & motor, starters / controls / cutouts / relays etc.,				
on ribbed rubber pads. The condenser & vaporizer should be		mounted inside a powder coated sheet metal cabinet of 2mm				
on ribbed rubber pads. The condenser & vaporizer should be		thick, duly treated for corrosion protection complete, mounted				
1 1						
Inverter AC LIATEST BEE STAR RATING: 3 star and above						
3.b Installation testing and commissioning of above above item Nos 2	3.b		Nos	2		

				,	ı
3.c	Hard / Soft drawn Refrigerant piping circuit with 13mm thick				
	nitrile rubber insulation. One refrigerant pipe circuit shall be	m	70		
	inclusive of Suction gas & Liquid refrigerant pipe, interconnecting	111	70		
	indoor and outdoor units (both suction and discharge lines				
3.d	Installation testing and commissioning of above above item	m	70		
3.e	Necessary electrical copper wiring including earthing conductor				
	in rigid PVC conduit. Electrical Power & control cable between the		7-		
	indoor and outdoor unit with armored copper cable of suitable	m	75		
	size along with the copper pipe routing.				
3.f	Installation testing and commissioning of above above item	m	65		
4.a	Supply of minimum 1.5 TR capacity, Ceiling mounted- Cassette-				
1.4	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	Nos	1		
	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 : 5.27kW(+-5%)cooling capacity, 1-Phase				
	Inverter AC LATEST REE STAR RATING: 3star and above				
4.b	Installation testing and commissioning of above above item	Nos	2		
4.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	m	35		
	indoor and outdoor units (both suction and discharge lines				
4.d	Installation testing and commissioning of above above item	m	35		
4.e	Necessary electrical copper wiring including earthing conductor		- 55		
1	in rigid PVC conduit. Electrical Power & control cable between the		m 38		
	-	m			
	indoor and outdoor unit with armored copper cable of suitable				
Λ f	size along with the copper pipe routing.		20		
4.f	Installation testing and commissioning of above above item	m	38		
	Cumply of minimum 2 OTs consoits Li well mounted Calif Air	Nos	0		
	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 conductor	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 conductor	m	0		
6.f	Installation testing and commissioning of above above item	m	0		
0.1	moteration testing and commissioning of above above item	111	0		
				<u> </u>	<u> </u>

7.a supply of minimum LUT Capacty, Menul mounted spir/LIN Nos 0 7.b Installation testing and commissioning of above above item Nos 0 7.c Hard / Soft drawn Refrigerant piping circuit with 13mm thick m 0 7.d Installation testing and commissioning of above above item m 0 7.e Necessary electrical copper wiring including earthing conductor m 0 8. Supply and installation of Air curtain of 2m width(door opening 1.8m), operating height 2.75m 8. Supply, and installation, testing and commissioning of 4KVA Voltage Nos 0 9. Supply, Installation, testing and commissioning of 4KVA Voltage Nos 0 10. Supply, Installation, testing and commissioning of 3KVA Voltage Nos 0 11. Supply and erection of 40cm 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. 9. Supply and installation of Drain piping using rigid CPVC pipe m 150 13. Supply and installation of Drain piping using rigid CPVC pipe m 150 14. Supply installation testing and commissioning of Drain pump with Nos 0 15. Supply Factory made/fabricated Heavy Metallic Wall mounting supports for the condenser of 4Tr &3Tr Cassette AC ODUs 16. Supply Factory made Metallic Wall mounting supports for the Nos 0 17. SLA Acoustically insulated mixed flow inline Fresh air fan with accessories for FA distribution to cassette units ~200cm 10MM 10MM 10MM 10MM 10MM 10MM 10MM 10M	7 -	Completed with the second of t	NI		
7.c. Hard / Soft drawn Refrigerant piping circuit with 13mm thick m 0 1 7.d. Installation testing and commissioning of above above item m 0 7.f. Necessary electrical copper wining including earthing conductor m 0 7.f. Installation testing and commissioning of above above item m 0 8. Supply and installation of Air curtain of 2m width(door opening 1.8m), operating height 2.75m 9. Supply, installation, testing and commissioning of 4KVA Voltage Nos 0 10. Supply, installation, testing and commissioning of 4KVA Voltage Nos 0 11. Supply and erection of 40cm wide pre fabricated painted (51 tray with supports at every 60cm, supported from the ceiling to draw with supports at every 60cm, supported from the ceiling to draw with supports at every 60cm, supported from the ceiling to draw with supports at every 60cm, supported from the ceiling to draw with supports at every 60cm, supported from the ceiling to draw with supports at every 60cm, supported from the ceiling to draw with supports at every 60cm, supported from the ceiling to draw with supports at every 60cm, supported from the ceiling to draw with supports at every 60cm, supported from the ceiling to draw with supports at every 60cm, supported from the ceiling to draw with supports at every 60cm, supported from the ceiling to draw with supports at every 60cm, supported from the ceiling to draw with every 60cm, supports for 6 condenser of 15 supply and installation of Drain piping using rigid CPVC pipe m 150 13. Supply and installation of Drain piping using rigid CPVC pipe m 150 14. Supply installation testing and commissioning of Drain pump with Nos 0 15. Supply Factory made/fabricated Heavy Metallic Wall mounting supports for the condenser of 4Tr &3Tr Cassette AC ODUs 16. Supply Factory made Metallic Wall mounting supports for the Nos 0 17. STATIC - (154mm dia coaxial fam) in Alluminium powder coated Nos 1 18. Static - (154mm dia coaxial fam) in Alluminium powder coated Nos 1 19. Static - (154mm dia coaxial fam) in Alluminium pow	7.a	Supply of minimum 1.0Tr capacity, Hi-wall mounted Split Air	Nos	0	
7.d. Installation testing and commissioning of above above item m 0 7.e. Necessary electrical copper wiring including earthing conductor m 0 7.f. Installation testing and commissioning of above above item m 0 8 Supply and installation of Air curtain of 2m width(door opening 1.8m), operating height 2.75m 9 Supply, Installation, testing and commissioning of 4kVA Voltage Nos 0 10 Supply, Installation, testing and commissioning of 3kVA Voltage Nos 0 11 Supply and erection of 40cm wide pre fabricated painted GI tray with supports at every 60cm, supported from the celling to draw the refrigerant copper piping upto the condenser unit. 9 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 m 150 14 Supply installation testing and commissioning of Drain pump with Nos 0 15 Supply Factory made/fabricated Heavy Metallic Wall mounting supports for the condenser of 4Tr 8:3Tr Cassette AC ODUs 16 Supply Factory made Metallic Wall mounting supports for the Nos 1 17 SATIC - (154mm dia coaxial fan) in Alluminium powder coated Nos 1 18 SI,T & C PVC pipe for frech air distribution with necessary fittings and supports reducers, "Yjoints, T's etc. a 2:25dia					
7.e Necessary electrical copper wiring including earthing conductor m. 1. Installation testing and commissioning of above above item m. 0. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	-				
7.f. Installation testing and commissioning of above above item m 0 8 Supply and installation of Air curtain of 2m width(door opening 1.8m), operating height 2.75m 9 Supply, Installation, testing and commissioning of 4KVA Voltage Nos 0 10 Supply, Installation, testing and commissioning of 3KVA Voltage Nos 0 11 Supply and erection of 40cm 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. 9 supply and installation of timer switch for AC in Server room / Nos 0 12 SUPPLY and installation of Drain piping using rigid CPVC pipe m 150 13 Supply and installation of Drain piping using rigid CPVC pipe m 150 14 Supply installation testing and commissioning of Drain pump with Nos 0 15 Supply Factory made/fabricated Heavy Metallic Wall mounting supports for the condenser of 4Tr &3Tr Cassette AC ODUs 16 Supply Factory made Metallic Wall mounting supports for the Nos 0 17 SIAC 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) 18 SIJT & C PVC pipe for frech air distribution with necessary fittings and supports reducers, "Yjoints, 'T's etc. a. 225dia Rm 0 5 SIJT & C PVC pipe for frech air distribution with necessary fittings and supports reducers, "Yjoints, 'T's etc. a. 225dia Rm 0 5 SIJT & C PVC pipe for frech air distribution with necessary fittings and supports reducers, "Yjoints, 'T's etc. a. 225dia Rm 0 5 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 c. 100mm to 150mm dia Nos 1			m		
8 Supply and installation of Air curtain of 2m width(door opening 1.8m), operating height 2.75m 9 Supply, Installation, testing and commissioning of 4KVA Voltage Nos 0 10 Supply, Installation, testing and commissioning of 3KVA Voltage Nos 0 11 Supply and erection of 40cm wide pre fabricated painted GI tray with supports at every 60cm, supported from the ceiling to draw m the refrigerant copper piping upto the condenser unit. 9 supply and installation of timer switch for AC in Server room / Nos 0 13 Supply and installation of Drain piping using rigid CPVC pipe m 150 14 Supply installation testing and commissioning of Drain pump with Nos 0 15 Supply Factory made/fabricated Heavy Metallic Wall mounting supports for the condenser of 4Tr &3Tr Cassette AC ODUs 16 Supply Factory made Metallic Wall mounting supports for the Nos 0 17 SI,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) 18 SI,T & C PVC pipe for frech air distribution with necessary fittings and supports reducers, "Yjoints, 'T's etc. a. 225dia Rm 0 b. 163dia Rm 20 c. 110dia Rm 30 d. 75dia Rm 0 5,J,T & C flexible connections to Highwall units/ Fresh air with disc valve and accessories including flexible duct O Core cutting through concrete slab, beams, lintels, brick or block masonary up to 120mm depth. b. 500mm to 150mm Dia Nos 1 c. 100mm to 150mm dia Nos 1 c. 100mm to 150mm dia Nos 1			m		
1.8m), operating height 2.75m 9	7.f	Installation testing and commissioning of above above item	m	0	
1.8m), operating height 2.75m 9					
9 Supply, Installation, testing and commissioning of 4KVA Voltage Nos 0 10 Supply, Installation, testing and commissioning of 3KVA Voltage Nos 0 11 Supply and erection of 40cm wide pre fabricated painted GI tray with supports at every 60cm, supported from the ceiling to draw m 30 the refrigerant copper piping upto the condenser unit. 9 sqm	8	, , ,	Nos	1	
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