

STATE BANK OF INDIA

**Tender for Supply, Installation, Testing & Commissioning of Airconditioners
(addition and alteration) at State Bank of India- Aluva Catholic Centre
Branch**

Nature of Work : Bank propose to replace the existing defective/non-functioning airconditioners (AC units) by retaining the remaining AC units which are in good working condition. The new AC units are required to be fixed/attached to the existing ducting system by making necessary alterations as desired by the Bank/to suit site requirement. The entire work is required to be carried out without disturbing the Bank's normal functioning; desirably after office hours/sundays/holidays. Before quoting, tenderer shall visit the site to understand the work properly.

BILL OF QUANTITIES

Competitive tenders in sealed covers are invited for Supply, Installation & Testing Commissioning of Ductable split airconditioners at **State Bank of India- Aluva Catholic Centre branch**. Tenders should be submitted in prescribed format as under:

Sl. no	Description	Qty	Rate(Rs) Per unit	Amount(Rs)
1	Supply, Installation, Testing & Commissioning (SITC) of factory made DX type 3 phase, 415 V, air cooled, ceiling suspended ductable split airconditioners (approved make only) having scroll compressors (of Copeland, Danfos or Own make), air cooled, GSS casing copper condenser and evaporator coils with aluminium fins, condenser and evaporator fans, microprocessor based automatic ON/OFF mechanisms for temperature control with facility for setting the inside temperature (of the proposed space) for a wide range, supplying required quantity of eco friendly refrigerant (R407C or R410) to maintain the temperature within the above range, safety controls, single phase preventer, over load protection, control panel and all other standard accessories specified by the manufacturer (Approved makes : Voltas, Blue Star, Carrier Airconditioning and Refrigeration, ETA Engineering, LG Electronics and DAIKIN) Quoted amount is inclusive of cost of supply of full quantity of refrigerant, rubber pads, and all other materials & accessories for safe and satisfactory installation & functioning of the Airconditioners pressure testing, vacuumizing, refrigerant filling, testing and commissioning to the satisfaction of the			

	Bank. Rate shall be quoted for the under mentioned capacity as combination of multiple units within the overall capacity :			
	11 Tr (with multiple compressors of 5.5 TR. Unit with single compressor is not acceptable)	02 nos		
	GST for the above @% (tender shall indicate the GST rate)			
	Sub total including GST as above (A)			
2	SITC of VCD to match with existing duct as per site requirement	2 nos		
3	SITC of flexible Canvas connection	2 nos		
4	Fresh Air cowl with damper 45cmx45cm & bird screen 45cm x45cm	2 nos		
5	SITC of pair of manufacturer specified size, Hard drawn copper refrigerant pipes (for suction and discharge measured as single unit for one circuit of ductable airconditioner) with 13mm thick nitrile rubber insulation between indoor and out door unit of the airconditioners:	40 m		
6	SITC of ducting using following GI sheet for modifying the existing plenum/duct to suit the requirement of new AC units/site lay out plan) (Existing duct shall be retained. Tenderer shall visit the site to assess the required alteration work to suit the new ACs)			
a	22 G	40 sqM		

b	24 G	30 sq M		
7	SITC of acoustic insulation using 12mm thick rigid board of density 48 kg/m ³ covered with RP tissue and aluminium perforated sheet of 0.5mm thickness	25 sq. M		
8	SITC of Thermal Insulation of duct using 9mm thick nitrile rubber with class 0 material having density of 40-60 kg/m ³ anti microbial, fungi resistant & bacterial resistant product	60 sq M		
9	SITC of Aluminium extruded powder coated grill with damper (for supply air) including balancing	1.5 sq M		
10	SITC of Aluminium extruded powder coated return grill with out damper (return air) including balancing	1.0 sq M		
11	SITC of six core control transmission cables between Indoor & out door units of the machines	60 m		
12	SITC of 4 core 6 sq mm copper conductor power cables between MCB Isolator & out door units as per standards to carry the current safely(for each machine)	20m		
13	SITC of PVC drain pipe 2" dia	30m		
14	SITC of MS support for out door units using proper Steel C Channels /angle/flat etc for ductable units	300 Kg		

15	All minor civil work required for proper installation of the above viz; to make opening in wall for copper pipe, duct etc, and finishing it neatly to its original form, and removal of debris / waste materials from the site (complete for the entire work)	Lump sum		
16	Charges for inspecting/servicing/repairing of existing 11 TR AC units for identifying and retaining the serviceable AC unit (labour only)	Lump sum		
17	Charges for shifting /re-installing and re-commissioning out door unit of one existing 11 TR unit (if required) (labour only)	Lump sum		
18	Buy back cost to be paid to the Bank for existing defective 11TR unit as is where is condition (indoor & out door units with old copper pipes). Successful (L1) tender shall remove & take away the items from the site after successful completion & commissioning of the New airconditioners & obtaining permission/Gate pass from the Branch Manager)	2 nos		(-)
	Sub total (net) for items of sl. no. 2 to 18			
	GST for above amount (for items under sl. no. 2 to 18) @.....% (tenderer shall indicate the GST rate).			
	Sub total for items under sl. no. 2 to 18 including GST (B)			
	Sub Total (A+B)			
19	Post warranty Annual Maintenance charges including GST (mention GST rate.....%)for 2 years for the above air-conditioners including cost	11 TR ducta	1 st year....	

	of refrigerant and all other spares required for the maintenance (tenderer is requested to record the Warranty period offered by them).	ble split (X 2)	2 nd year.....	
			Total AMC charge for 2 years	
19	GST for above AMC charges @.....%			
20	Total AMC charge including GST (C)			
21	Grand Total (A+B + C)			

(Grand total in words: Rs.)

Date:

Signature & seal of tenderer

