

Scottish Church College

1 & 3 Urquhart Square Kolkata -700 006

Notice for quotation

Ref: Tender Estate/SCC /15/2024-2025 Dated 10-09-2024

Retender of Estate /SCC/13/2024-2025 dt.27-08-2024

Contact: Dr. Amitava Roy (M-9433590282)

Appropriate quotation is invited in sealed cover from eligible bidder /supplier/ vendor for supplying of AC with Installation for Room- P6 & P7 (Main Building, 1st Floor) at Scottish Church College.

Category – I (VRV type)

Basis of Design

Outdoor design condition: Summer: 105°F/40.55° C DBT, 83°F/ 28.3° C WBT

Indoor design condition: 75°F±2/23.8° C ±1, RH 55±5% for all area.

Sl. NO	Room	Floor	Area (Sq. Ft.)	Indoor Units						Outdoor Units		
				QTY	TR	CFM	T-TR	TCM	Type	TR	HP	Connectivity
1	Rm no -P6	Main Bld, 1 st Floor	240	1	2.0	830	2.0	830	4 way Cassette	6.4	8	109.38%
2	Rm no -P7	Main Bld, 1 st Floor	600	2	2.0	830	4.0	1660	4 way Cassette			
				1	1.0	388	1.0	388	Hi wall mounted			
Total (Circuit-1)			840	4			7.0	2878		VRV-S		



Sl.No	Item	Quantity	Rate	Amount (Rs.)
Part -A				
Equipment part				
	Supply of Factory assembled VRV outdoor units are complete with hermetically sealed swing compressor, Condenser, condenser fan, controller & suitable for R-410A refrigerant with Cooling only type			
1	VRV outdoor unit:			
1.1	Capacity: 8 HP –Front Discharge-Cooling Only Type (VRV series)	1 no		
2.0	VRV indoor Unit with cordless remote :			
2.1	HI-Wall Mounted Type:			
	Capacity : 1.0 TR	1 no		
2.2	4 way cassette Type			
	Capacity : 1.0 TR	1 nos		
	Capacity : 2.0 TR	3 nos		
3.0	Capacity :1.0 TR non inverter Split AC	1 no		
	Total			



Sl.No	Item	Quantity	Rate	Amount (Rs.)
Part -B				
SITC part				
1	Lifting , Shifting & positioning , installation , Testing & Commissioning of VRV outdoor unit having capacity of			
	Capacity : 8 HP	1 no		
2	Lifting, Shifting & Installation of VRV indoor unit			
	Hi Wall Mounted	1 no		
	4 way cassette	3 nos		
3	Ref- Joints/Y-Branch	3 nos		
4	Commissioning of VRV system including topping R410A gas as per site requirements. Refrigerant shall be environmental friendly R410a.	5 kg		
5	Supply and testing of N2 Pressure Gas Charge with proper flushing and leak test of all ref-copper pipe including joints.	1 job		
6	Copper Refrigerant piping with insulation: (VRV) Supply, Installation, Testing & Commissioning of Copper Refrigerant piping for VRV system complete with fittings, commissioning as per specification.	1 lot		
7	Communication Cum Transmission cable: Supply, installation testing & commissioning of control cum transmission wiring in suitable conduits between indoor & outdoor units			
	2C X 1.0 sqmm Copper	70 Rmt		
8	Drain piping : Supply, installation, testing & commissioning of PVC drain water piping complete with fittings			
	25 mm dia	26 Rmt		
	32 mm dia	10 Rmt		
9	Installation of split AC	1 job		
10	Civil work	1 job		
Total				



Sl. No	Description	Basic Cost	GST @	GST amount	Total Amount
1	Supply of VRV Equipment (Part -A)				
2	LOWSIDE – SITC for VRV system				
Total Cost (Part -A +B)					



OR

Basis of Design

Outdoor design condition: Summer: 105°F/40.55° C DBT, 83°F/ 28.3° C WBT

Indoor design condition: 75°F±2/23.8° C ±1, RH 55±5% for all area.

Sl. NO	Room	Floor	Area (Sq. Ft.)	Indoor Units						Outdoor Units		
				QTY	TR	CFM	T-TR	TCM	Type	TR	HP	Connectivity
1	Rm no -P6	Main Bld, 1 st Floor	240	1	2.0	671	2.0	671	HI-Wall Mounted	6.4	8	109.38%
2	Rm no -P7	Main Bld, 1 st Floor	600	2	2.0	671	4.0	1342	HI-Wall Mounted			
				1	1.0	388	1.0	388	HI-Wall Mounted			
Total (Circuit-1)			840	4			7.0	2401		VRV-S		



Sl.No	Item	Quantity	Rate	Amount (Rs.)
Part -A				
Equipment part				
	Supply of Factory assembled VRV outdoor units are complete with hermetically sealed swing compressor, condenser ,condenser fan, controller & suitable for R-410A refrigerant with Cooling only type			
1	VRV outdoor unit:			
1.1	Capacity: 8 HP –Front Discharge-Cooling Only Type (VRV S series)	1 no		
2.0	VRV indoor Units with cordless remote :			
2.1	HI-Wall Mounted Type:			
	Capacity : 1.0 TR	1 no		
2.2	Hi-Wall Mounted Type			
	Capacity : 2.0 TR	3 nos		
3.0	Capacity :1.0 TR non inverter Split AC	1 no		
Total				



Sl.No	Item	Quantity	Rate	Amount (Rs.)
Part -B				
SITC part				
1	Lifting , Shifting & positioning , installation , Testing & Commissioning of VRV outdoor unit having capacity of			
	Capacity : 8 HP	1 no		
2	Lifting, Shifting & Installation of VRV indoor unit			
	Hi Wall Mounted	4 no		
3	Ref- Joints/Y-Branch	3 nos		
4	Commissioning of VRV system including topping R410A gas as per site requirements. Refrigerant shall be environmental friendly R410a.	5 kg		
5	Supply and testing of N2 Pressure Gas Charge with proper flushing and leak test of all ref-copper pipe including joints.	1 job		
6	Copper Refrigerant piping with insulation: (VRV) Supply, Installation, Testing & Commissioning of Copper Refrigerant piping for VRV system complete with fittings, supports, joining, insulation with nitrile rubber, commissioning as per specification.	1 lot		
7	Communication Cum Transmission cable: Supply, installation testing & commissioning of control cum transmission wiring in suitable conduits between indoor & outdoor units 2C X 1.0 sqmm Copper	60 rmt		
8	Drain piping : Supply, installation, testing & commissioning of PVC drain water piping complete with fittings 25 mm dia 32 mm dia	30 rmt RO rmt		
9	Installation of split AC	1 job		
10	Civil work	1 job		
Total				



Sl. No	Description	Basic Cost	GST @	GST amount	Total Amount
1	Supply of VRV Equipment (Part -A)				
2	LOWSIDE – SITC for VRV system				
Total Cost (Part -A +B)					



Category -II (Non VRV)

Wall Mounted System

Part -A					
High Side					
Sl No.	Description	Qty	Unit	Price	Amount (Rs.)
1	Wall mounted Unit				
1.1	Capacity 2.0 tr. inverter type	3	Nos		
2	Wall mount AC				
2.1	Capacity 1.0 Tr. Non inverter type	2	nos		
Total Equipment Base Price					
GST					
Total equipment price with GST					

Part -B					
Low side					
SL. No.	Description	Qty	Unit	Price	Amount (Rs.)
I- Installation , testing & commissioning of inverter & non inverter AC unit					
1.	Wall mounted units				
	Capacity 2 Tr.	3	Nos		
2.	Wall Mounted units				
	Capacity 1 TR.	2	Nos		
II- M.S.Bracket Angle for Outdoor units					
	Capacity 2 TR.	3	Nos		
	Capacity 1TR.	2	Nos		
III	Commissioning of AC units including topping R410A/R32 gas as per site requirements	4	KG		
IV	SITC of copper refrigerant pipe for Hi Wall mounted AC	40	Rft		
V	SITC of control cum communication cable from outdoor to indoor 6CX2.5 sqmm	65	Rft		
	SITC of copper cum communication cable from outdoor to indoor 4C x 2.5 sq.mm	45	Rft		
VI	Drain pipe				
	25mm dia hard	30	RMT		
	32mm dia hard	8	RMT		
VII	Civil Work	1	Job		
Total installation Basic price					
GST					
Total in installation with basic price					

Part A (Total equipment basic price + GST)
+
Part B (Total installation Price +GST)



OR

Casstee and Wall Mounted system

Part -A					
High Side					
Sl No.	Description	Qty	Unit	Price	Amount (Rs.)
1	Ceiling mounted Cassette units				
1.1	Capacity 2.0 tr. NON inverter type	3	Nos		
2	Wall mounted AC				
2.1	Capacity 1.0 TR. Non Inverter Type	2	nos		
Total Equipment Base Price					
GST					
Total equipment price with GST					

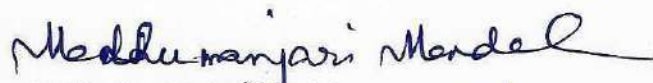
Part -B					
Low side					
SL. No.	Description	Qty	Unit	Price	Amount (Rs.)
A- Installation , testing & commissioning of inverter & non inverter AC unit					
1.	Cassette units				
	Capacity 2 Tr.	3	Nos		
	Wall mounted unit				
	Capacity 1 Tr.	2	Nos		
II- M.S.Bracket Angle for Outdoor units					
	Capacity 2 Tr.	3	Nos		
	Capacity 1 Tr.	2	Nos		
III	Commissioning of AC units including topping R410A/R32 gas as per site requirements	4	KG		
IV	SITC of copper refrigerant pipe for cassette AC	60	Rft		
	SITC of copper refrigerant pipe for hi Wall AC	40	Rft		
V	SITC of control cum communication cable from outdoor to indoor 6CX2.5 sqmm	65	Rft		
	SITC of copper cum communication cable from outdoor to indoor 4C x 2.5 sq.mm	45	Rft		
VI	Drain pipe		RMT		
	25mm dia hard	30	RMT		
	32mm dia hard	8	RMT		
VII	Civil Work	1	Job		
Total installation Basic price					
GST					
Total in installation with basic price					



Part A (Total equipment basic price + GST) +	
Part B (Total installation Price +GST)	

This quotation is to be addressed to the Principal, Scottish Church College and has to be submitted to the Principal's office in Scottish Church College, at 1 & 3 Urquhart Square, Kolkata – 700 006, in due prescribed format on working day between 11:00 A.M. and 3:00 P.M. The bid / tender may be submitted from 10-09-2024 & closed on 16/19/2024. The Selection /opening will be made at the College office at 3:00 P.M. on 17-09/2024.

The Authority of the College reserves the right / discretion for selection based on experience, amount, quality of the bid & bidder.


Dr. Madhumanjari Mandal
Principal

10/9/24

Principal
Scottish Church College
Kolkata