

Scottish Church College
1 & 3 Urquhart Square Kolkata -700 006

Notice for quotation

Ref: Tender Estate/SCC /09/2026-2027 Dated 29-05-2026

Contact: Dr. Deepti Myriam Joseph (M- 97486 49433)
Mr. Shibnath Bhattacharyya (M-98362-72199)
Mr. Monojit Mondal (M- 9123086001)

FOR SUPPLY, INSTALLATION, TESTING & COMMISSIONING OF STRUCTURED LAN, FIBER BACKBONE & ENTERPRISE WI-FI NETWORKING SYSTEM

Scottish Church College invites sealed quotations from reputed and experienced System Integrators / Networking Solution Providers for the Supply, Installation, Testing & Commissioning (SITC) of Structured LAN Cabling, Fiber Backbone, Active Networking Components, Enterprise Wi-Fi Infrastructure and Associated Works for the entire Main Building comprising approximately 40 Class Rooms across 3 Floors.

The bidder must possess adequate experience in executing similar networking and structured cabling projects in Educational Institutions, Corporate Offices or Government Organizations.

SCOPE OF WORK

The scope includes complete supply, laying, fixing, dressing, testing, commissioning and certification of:

- CAT6 Structured LAN Network
- Fiber Optic Backbone Connectivity
- Enterprise Managed Switching Infrastructure
- Enterprise Wi-Fi Deployment
- Rack Installation & Network Termination
- Broadband Load Balancing Configuration
- Integration of Existing Network Infrastructure
- Cable Management & Labelling
- Testing & Documentation

The successful bidder shall provide all materials, manpower, accessories, consumables, tools and testing instruments necessary for successful completion of the project.

PROJECT REQUIREMENT DETAILS

SL No.	Description of Item	Quantity	Rate	Amount
1	4U / 6U Rack	6 Pcs		
2	CAT6 Cable	3000 Metres		
3	Fiber Optic Cable	1000 Metres		
4	24 Port Patch Panel Fully Loaded (Tool Less)	12 Pcs		



5	I/O Box Fully Loaded (Tool Less)	200 Pcs		
6	24 Port Gigabit Ethernet Switch	3 Pcs		
7	8 Port Gigabit Ethernet Switch	6 Pcs		
8	5 Port Gigabit Ethernet Switch	40 Pcs		
9	Enterprise Wi-Fi Access Point	6 Pcs		
10	1 Meter Machine Made Patch Cord	300 Pcs		
11	1.5 Meter Machine Made Patch Cord	200 Pcs		
			Total	
			Tax, If Any	
			Total after Tax	

EXISTING INFRASTRUCTURE TO BE INTEGRATED

The successful bidder shall mandatorily integrate and reuse the following existing active networking devices already available with the College:

Description	Existing Quantity
Existing Gigabit Ethernet Switch	10 Pcs
Existing 6 Port / 8 Port Gigabit Ethernet Switch	6 Pcs

The bidder shall inspect, configure, integrate and optimize the above existing switches within the proposed network architecture without affecting overall network performance.

TECHNICAL REQUIREMENTS

Structured Cabling

1. Complete CAT6 structured cabling shall be installed following TIA/EIA and industry standards.
2. All cables shall be laid through proper PVC casing-capping/conduit/trunking wherever required.
3. Proper cable dressing, ferruling, numbering and labelling shall be mandatory.
4. All connectors and patching systems must be TOOL LESS type only.
5. No crimped hand-made patch cords shall be accepted.
6. Only factory machine-made patch cords shall be used.
7. All I/O points must be tested and certified.
8. Proper cable organiser and cable management system must be installed within all racks.
9. Rack PDU (Power Distribution Unit) shall be supplied and installed for proper power distribution.



FIBER BACKBONE

1. Fiber backbone shall interconnect all floors and designated network distribution points.
2. The supplied Fiber Optic Backbone shall be properly terminated and distributed equally across 5 (Five) designated network points/locations within the building infrastructure.
3. Proper LIU termination and fiber management practices shall be maintained.
4. The bidder shall supply and install all necessary fiber termination components including but not limited to:
 - LIU (Light Interface Unit)
 - Fiber Patch Cord
 - Fiber Pigtail
 - Fiber Coupler
 - Fiber Management Tray
 - Splicing Accessories
 - Fiber Termination Box
 - Required Mounting Accessories
5. Proper testing and certification of fiber connectivity shall be mandatory.
6. OTDR/Fiber testing report shall be submitted during project handover.

NETWORK SWITCHING & LOAD BALANCING

1. The network shall support integration of 3 Nos Broadband Internet Connections.
2. Proper Load Balancing and Failover mechanism shall be supplied and configured across the complete network.
3. Internet bandwidth distribution shall ensure uninterrupted connectivity throughout all floors and classrooms.
4. VLAN segregation and network optimization may be proposed if required.
5. Existing switches of the college shall be integrated with the newly proposed infrastructure.

WI-FI REQUIREMENT

1. Enterprise Grade Wi-Fi solution shall be deployed.
2. Strong and seamless Wi-Fi coverage must be ensured across all classrooms and common areas.
3. Each Wi-Fi location shall support minimum 80 concurrent users without performance degradation.
4. Access Points must support centralized management and roaming functionality.
5. Site survey and heat mapping shall be responsibility of bidder.
6. Wi-Fi deployment shall ensure stable connectivity for online classes, streaming, examinations and academic operations.

APPROVED BRANDS ONLY

Only the following approved brands shall be used:

Item	Approved Brand
Network Rack	VALRACK / NETRACK / DELTRON
Structured Cabling	Legrand / ComScore / Delton
Network Switches	TP-Link / Grand stream / Ubiquiti
Wi-Fi Access Points	TP-Link / Grand stream / Ubiquiti

No other brand shall be accepted under any circumstances.



ADDITIONAL NETWORKING COMPONENTS

The bidder shall additionally supply and install all required accessories and passive components necessary for proper and professional deployment of the complete network infrastructure, including but not limited to:

- Cable Organiser / Cable Manager
- Horizontal Cable Manager
- Vertical Cable Manager
- Rack PDU (Power Distribution Unit)
- Power Strip with Surge Protection
- Patch Cord Management Accessories
- Cable Tags & Ferrules
- Rack Earthing Accessories
- Mounting Hardware
- PVC Casing-Capping / Conduit / Trunking
- Velcro / Cable Ties
- Labelling Materials

No additional claim shall be entertained later for the above accessories required for successful completion of the project.

EXISTING ACTIVE DEVICE UTILIZATION

1. Existing Network Switches, Wi-Fi Access Points and associated active networking components presently installed within the College infrastructure shall be inspected, serviced, configured and reused wherever technically feasible.
2. The successful bidder shall ensure proper integration of such existing devices within the newly proposed network infrastructure.
3. In case any existing device is found defective, obsolete, non-functional or unsuitable for deployment, the bidder must submit:
 - Proper Technical Inspection Report
 - Reason for rejection/discarding
 - Declaration mentioning device condition
 - Recommendation for replacement
4. No existing device shall be discarded, removed or abandoned without prior written approval from the College Authority.
5. Preference shall be given towards maximum utilization of existing infrastructure while maintaining network performance and stability.

MANDATORY CONDITIONS

1. Tool Less technology is mandatory for all connectors and termination accessories.
2. Machine-made patch cords only shall be supplied.
3. Substandard or refurbished materials shall not be accepted.
4. All materials must be genuine and supported by OEM warranty.
5. Bidder must mention:
 - Brand Name
 - Model Number
 - Unit Price
 - GST
 - Total Amount



Failure to mention the above shall lead to rejection of quotation.

INSTALLATION REQUIREMENTS

The bidder shall include:

- Cable laying
- Rack fixing
- Switch installation
- Patch panel termination
- Fiber termination
- Wi-Fi configuration
- Internet load balancing setup
- Testing & commissioning
- Documentation & labelling
- Integration of existing switches and Wi-Fi devices

All civil finishing after cable laying must be restored properly.

PROFESSIONAL INSTALLATION STANDARD

All works shall be carried out following standard industry practices for Educational Institutions and Enterprise Networking Infrastructure.

The installation must ensure:

- Neat cable routing
- Proper rack dressing
- Organized cable management
- Structured labelling
- Easy future maintenance
- Safe electrical practices
- Proper ventilation and power distribution within racks

The completed installation shall be aesthetically professional and technically compliant with structured cabling standards.

QUANTITY VARIATION CLAUSE

A tolerance variation of $\pm 10\%$ (Plus/Minus Ten Percent) on the quantities mentioned in the tender shall be permitted based on actual site requirement during execution of work.

The successful bidder shall execute the work accordingly at the same approved unit rate without any change in pricing structure.

No additional claim beyond the approved quoted unit rates shall be entertained on account of such variation.

The final measurement and executed quantity certified by the College authority shall be considered final for billing purposes.



WARRANTY & SUPPORT

1. Minimum 1 Year onsite warranty for active components.
2. Bidder must provide post-installation support and documentation.

ELIGIBILITY OF BIDDER

The bidder must:

- Have experience in similar projects
- Possess valid GST registration
- Possess PAN Card

SUBMISSION OF QUOTATION

The quotation should be submitted in sealed envelope superscripted as:

“Tender for Structured LAN & Enterprise Wi-Fi Deployment”

The quotation must contain:

- Technical Specification
- Commercial Bid
- Brand Details
- Unit Price
- Completion Timeline
- Warranty Details

IMPORTANT NOTE

Scottish Church College reserves the right to accept or reject any quotation without assigning any reason thereof.

Incomplete quotations or quotations using unauthorized brands/technology shall be rejected immediately.

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 **29.05.2026** & closed on **07-06-2026**. The Selection /opening will be made at the College office at **2:00 P.M. on 08.06.2026**.

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

M. Mendel 29/5/26
Dr. Madhumanjari Mandal
Principal

Principal
Scottish Church College
Kolkata

