

**ETHIRAJ INVITES TENDER FROM REPUTED FIRMS FOR THE
“for supply and installation - technology Refresh of Active &
Passive Components at the Campus”**

INSTRUCTIONS TO TENDERERS

Sealed Tenders are invited from reputed vendors for the “**for supply and installation - for technology Refresh of Active & Passive Components at the Campus**” addressed to The Principal, Ethiraj College for Women, Chennai - 600008 on or before 26-04-2021, 3:00 PM.

All Tenders in the prescribed form at **Annexure-1, together with other enclosures, in sealed envelopes**, should be placed in the Tender Box at the College premises before the time and date fixed for the receipt of tenders as set out above. The sealed enveloped should be superscribed “**for supply and installation - for technology Refresh of Active & Passive Components at the Campus**”.

Tenders received after the stipulated time and date or those that do not satisfy the tender requirements shall be rejected. All supply and installation should strictly comply with the specifications laid down in **Annexures 2** below.

1. TENDERS ELIGIBILITY & QUALIFICATION

The Tenderer shall provide satisfactory evidence acceptable to the College as follows:

- Audited financial statements for the past 3 years (3 years up to 31 March 2020) to show that it has adequate financial standing.
- Average total turnover of the tenderer for last 3 financial years must be at least 50 Lakhs.
- Bidders must submit copies of GST, PAN, company registration documents.
- The bidders should provide details of at least 5 of its customers in Chennai
- The bidders should clearly mention the country of manufacture Of Equipments Provided
- The Tenderer Should be Original Equipment Manufacturers (OEM) / Authorised Dealer (AUD)/Distributor of OEM and also Tenderer should submit valid documents with respect to the Authorization or Distribution from the OEM.
- Bidder should have been providing Networking facilities at least for the last 10 Years
- Copy of the Single Purchase Order Value- Only on Passive Cabling and Networking Switching – With Passive Cabling amounting more than 10+ lakhs or above during the last three years.
- Copy of the purchase orders totalling to the value of `80 lakhs or above during the last three years put together – Only on Passive & Active LAN Networking solutions Including Installation & Implementation
- Bidder should have organization strength of atleast 5 certified engineers in the relevant field with 1 yr experience in the quoted Vendor and to provide the details of Technical staffs.
- The successful vendor has to undertake this project without allocating the

project Full or Partial to any third party vendor (no sub contract will be allowed)

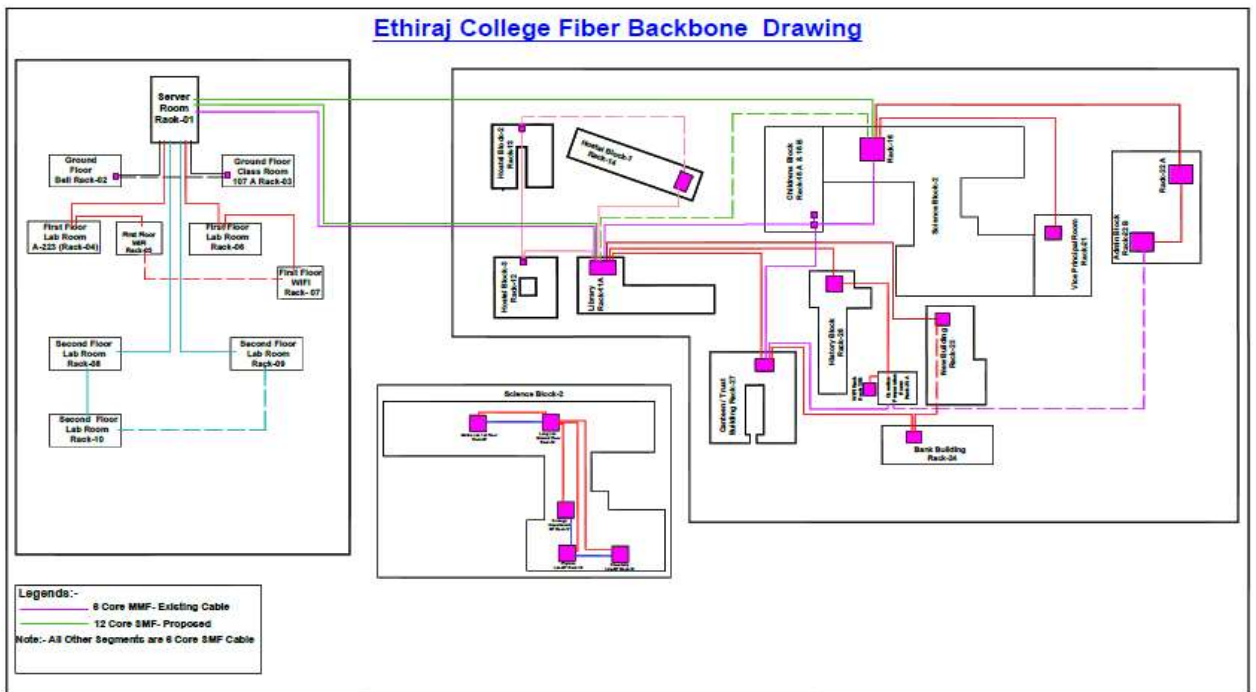
- Delivery Period: The delivery should be made within 3-4 weeks from the date of receipt of purchase order.
- Warranty: The entire item supplied by the vendor shall be guaranteed against any defects and the vendor should provide time-to-time operational maintenance support (On Site comprehensive Warranty). The said warranty should cover all the Hardware & Software Products. The warranty and service shall be provided directly from the manufacturer. The vendor shall be liable to rectify any defects that may be found in the equipment supplied at free of cost.
- Installation: The installation should be done at the Ethiraj College For Women (ECW), Chennai at no extra cost.
- Response Time: The response time of the vendor to attend to any complaint upon receipt of the complaint/information from the user should not be more than 24 hours.
- The vendor must submit their tender document in the given format. Deviations from this format will automatically disqualify the tender process.
- ECW reserves the right to increase or reduce the quantity or even withdraw the tender without assigning any reasons thereof.
- ECW reserves the right to cancel the contract under repeated violations of the specified and mutually agreed QoS parameters.
- ECW is not responsible for any delay in delivery of equipment.
- The items must be delivered and installed at the required locations at your own risk and cost.
- Any Proposal or Bid received after Bid submission date and time will not be entertained/ considered.
- The Successful vendor has to provide training for installation and configuration for the items supplied by them to the staff involved in the project.

1.A – INTRODUCTION To ECW- Ethiraj College For Women Networking Landscape

ECW – Ethiraj College For Women is having one Academic/Administrative block , Annexe Block and Hostel block – spread over 10 Acre Campus and has 200MBPS internet bandwidth. All the buildings are connected through internet however, there is a need to upgrade and strengthen reliable connectivity and expected performance to the latest Application requirements. Hence, strengthening the IT infrastructure and providing the uninterrupted internet connection, ECW is planning **for technology Refresh of Active & Passive Components at the Campus**. This set up implementation is meant to ensure seamless connectivity, faster data transfer throughout the ECW campus.

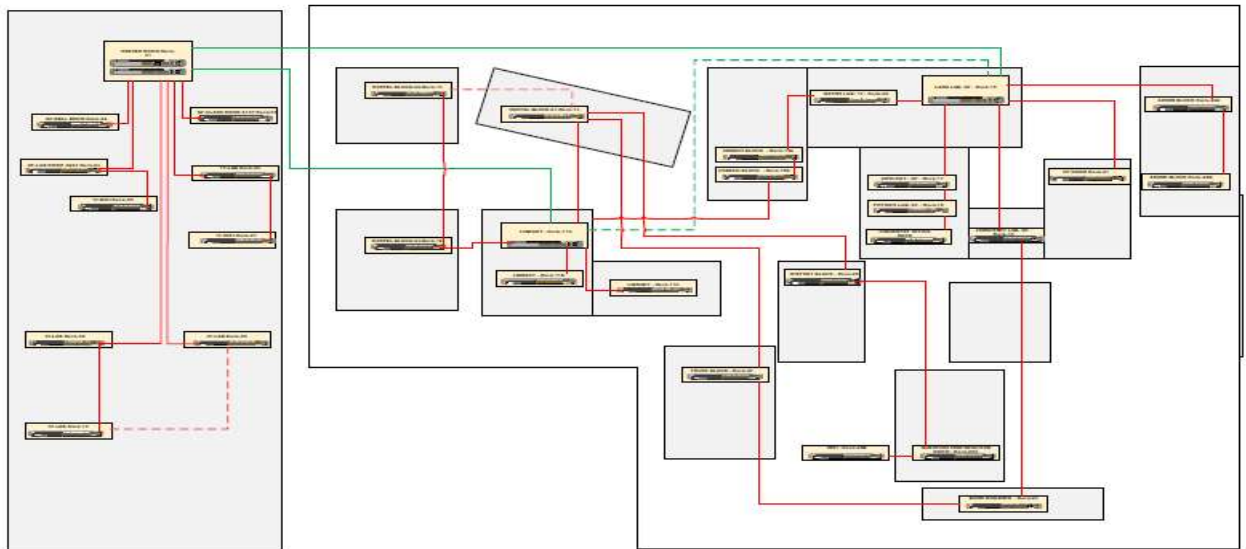
As a part of Explaining the Networking Architecture at ECW – The Existing Networking architecture is Distributed Networking Structure – where multiple access switches at different locations connects with core switch at the Main server room, which is connected with the WAN.

Since the distances between each and every points are atleast 100+ Metres, it has been decided upon to strengthen the Fibre backbone layer and having fibre connectivity between switches to switches



The Above Mentioned Schematic explains the Fibre Back-bone connectivity needed across the switches to Core-Switch and Vice-versa.

ETHIRAJ COLLEGE SWITCH CONNECTIVITY DIAGRAM



The Above Mentioned Schematic explains the Active Networking switch connectivity diagram.

The Above Schematic also suggests that Active Switching refresh includes latest switches supporting 1G/10G connectivity & Fibre Up-link as well

2. VALIDITY OF TENDER

The offer shall be kept valid for acceptance for a minimum period of 120 days from 26 April 2021. The College Reserves the Right to award Both Active & Passive Components to One/Multiple Vendors based on the merit of solution & commercials quoted.

3. ETHICAL STANDARDS:

Bidders, Suppliers, Contractors and their subcontractors and Consultants should observe the highest standard of ethics during the procurement and execution of this contract.

4. AWARD OF CONTRACT

The College has the right to accept any tender and to reject any or all tenders without assigning any reason.

There Shall be Technical Solutioning Session that shall be conducted before opening of the tender – so that the Technical evaluation of the tender solution quoted by the bidder along with compliance sheet shall be evaluated and Top 3 Technically qualified vendors shall be proceeded to Commercial Bid Opening.

Its necessary for all the bidders to be present at the Technical evaluation session which shall be Online/Offline- based on then prevalent conditions. The Bidder shall need to furbish their Solution Architecture Diagram – for the Distributed Networking Ring Topology architecture and their Fibre backbone laying diagram, along with the clear SOW (Scope Of Work) and deliverables from their side.

5. NOTIFICATION OF AWARD:

The College will notify all the tenderers of the result of their bids on or before 10 May 2021.

6. GENERAL

The tenderers must ensure that the conditions laid down for submission of Tenders detailed in this document are completely and correctly fulfilled. Tenders, which are not complete in all respects as stipulated above, shall be summarily rejected.

7. PAYMENT TERMS

No advance will be paid. 50% of the invoice value will be paid within 7-15 days from date of delivery and verification of materials at the College premises. 30% will be released within 7 days from the date of Successful installation, testing and acceptance of the machines and other Warranty related documents. The balance 20% will be released within 30 days from the date of Final acceptance – The Installed Networking Solution must be submitted with Validated Fluke Test report for Cabling components.

8. DELIVERY PERIOD

The Tenderer should clearly mention the Delivery Timeline and Installation Timeline of the Products. Delivery of the Goods shall be made by the Tenderer in accordance with the agreed terms mentioned in tender. The Tenderer should take responsibility of the Goods till it reaches the delivery destination and successful completion of Installation.

9. Product and Warranties

The Solution Components proposed should strictly comply to the Technical specifications given in the Annexure 2 and it should be supported for a minimum period of 3 years including warranty period. The Models proposed/ marked for withdrawal/End of Life from the market and the models under quality testing should not be offered/quoted in the Tender.

The WARRANTY of the Hardware 3 years comprehensive onsite warranty with Accidental damage Protection, and the warranty terms should be clearly mentioned in the Invoice and the warranty period will start from Date of Acceptance. The Warranty should be BACK TO BACK from OEM. The warranty should cover the complete components including Battery, SMPS, Display etc, and any deviations should be clearly mentioned in the Tender

The warranty would be on-site and comprehensive in nature and back to back support from the OEM. The Tenderer warrant all the hardware and software including battery for laptops against defects arising out of faulty design, materials etc. for a period of Three years from the date of acceptance of the hardware. The vendor will provide support for Operating Systems and other pre-installed software components during the warranty period of the hardware on which these software & operating system will be installed. Defective hardware shall be replaced by the Tenderer at his own cost, including the cost of transport.

Tender for the “for supply and installation - technology Refresh of Active & Passive Components at the Campus”

Annexure-1

PRICE BID					
Name of Work: “for supply and installation - technology Refresh of Active & Passive Components at the Campus”					
(Name of the Vendor) :					
Sl. No.	Network ing Type	Description	Price in INR	GST Value	Total Amount in INR
1	Active Networking	Active Networking Components & Installation Services – Total Price			
2	Passive Networking	Passive Networking Components & Installation Services – Total Price			
Rupees in Words :					
AMOUNTS QUOTED SHOULD BE INCLUSIVE OF ALL TAXES AND ALL OTHER COSTS AND CHARGES					
We confirm that the products offered strictly comply with the specifications set out in Annexure 2. The amounts quoted are firm and final and will be valid for 120 days from 26 April 2021.					
Authorised signatory		Date	Company seal		

Annexure 2

Schedule Of Requirements

Passive Networking Components Requirement

SI No	Description	Make	Qty	Unit	Unit Price	Total Price	GST	Total Inclusive GST
FIBER COMPONENTS								
1	12 Core Outdoor Ofc Cable SM	Molex or Better	4000	Mtr				
2	24 Port Rack mount LIU- Unloaded - Sliding Type	Molex or Better	41	No				
3	12 Port LC Adapter Plate SM	Molex or Better	68	No				
4	LC Pigtaills SM	Molex or Better	500	No				
5	12 Port LC Adapter Plate MM	Molex or Better	11	No				
6	LC Pigtaills MM	Molex or Better	70	No				
7	12/24 Splice Holder	Molex or Better	50	No				
8	Blanking Plate for LIU	Molex or Better	90	No				
9	LC LC Ofc Patch Cord SM	Molex or Better	80	No				
10	LC LC Ofc Patch Cord MM	Molex or Better	12	No				
RACKS AND MISCELLANEOUS ITEMS								
1	42U 600mm x 1200mm Closed Server Rack with Standard Accessories.	APW or Equivalent	1	No				
2	45U HDCM Open Rack with Horizontal PDU with 5 Amps 5 socket, Hardware pkt - 4 nos, 8" Vertical Wiremanager front and back -2 nos	APW or Equivalent	1	No				
3	Ladder Set with accessories	APW or Equivalent	1	No				
4	27U 800mm x 800mm Floor Mount Rack	BDC	3	No				
5	32mm HDPE Pipe	ISI	2300	Mtr				
6	1" PVC Conduit/Flexible Pipe with accessories (Saddle- 3 Pkt, 30 Mtr Flex, Ghatta, Screws 2 pkt)	Bajajplast	600	Mtr				
7	40mm Pvc Pipe with Accessories (15mtr Flex, Saddle-1 pkt, Ghatta, screws)	Reputed Make	200	Mtr				
8	Panduit Labels	Panduit	2	Pkt				

9	Panduit Cable ties - 200mm	Panduit	1	Pkt				
10	Panduit Velcros - 15 Feet	Panduit	15	No				

Passive Networking Implementation Requirement

SI No	Description	Qty	Unit	Unit Price	Total Price	GST	Total Including GST
1	Laying Charges of 12 Core Outdoor Ofc Cable	4000	Mtr				
2	Fixing charges of Rack Mount LIU	41	No				
3	Splicing charges of LC Pigtails	570	No				
4	Testing charges of Fibre Core	237	No				
5	Installation and Integration charges of 42U Closed Rack	1	No				
6	Integration of Wall mount/Floor Mounted racks	29	No				
7	Laying Charges of 1" PVC Conduits.	600	Mtr				
8	Laying charges of 2" Pvc Pipe/Conduits	200	Mtr				
9	Site Survey, Design and Project management charges including Dressing, Patching of all network points for the neat upkeep of rack and other related works,(861 Points)	1	L/s				

Pls note the Installation Service Components quoted are for your reference- The tenderer can quote any other additional service/Installation charges if needed.

Active Networking Switches & Accessories Requirement – Must be Supplied & Installed by the Solution Provider.

Sl. No	Item Description	Qty	Price/Unit	Total Price	GST	Total Incl GST
q	Annex Building Core Switch – 24 Port Cisco 9300/Aruba 3810 Switch or Equivalent OEM Like Commscope/Barracuda/Dell/Juniper Only – Dual Power Supply/24 Port Licensed – with Minimum of 8 X10GE Network Modules – with 3 Years Warranty and Support.	2				
B	Main Building Core Switch – 24 Port Cisco 9300/Aruba 3810 Switch or Equivalent OEM Like Commscope/Barracuda/Dell/Juniper Only – Dual Power Supply/24 Port Licensed – with Minimum of 8 X10GE Network Modules – with 3 Years Warranty and Support.	4				
C	10GBASE-LR SFP Module, Enterprise-Class – From the Switch Manufacturer and Not from other OEM's apart from Switch Manufacturer.	8				
D	52-port Gigabit PoE Managed Switch – Cisco SG 350/Aruba 2530/ or Equivalent OEM Like Commscope/Barracuda/Dell/Juniper Only	7				
E	28-port Gigabit PoE Managed Switch – Cisco SG 350/Aruba 2530/ or Equivalent OEM Like Commscope/Barracuda/Dell/Juniper Only	2				
F	1000Base SFP Transceiver - From the Switch Manufacturer and Not from other OEM's apart from Switch Manufacturer.	6				
		0				

Pls note – All the Interested tendering Parties can Visit the Campus to have a look at the College Networking Infrastructure on or before 22nd April 2021 by writing to systemadmin@ethirajcollege.edu.in/santhosh@catnipit.com – for More queries

Also pls note for Passive Cabling – Max deviation allowed is +/- 5% - If the deviations are considered by the Bidder – Its their responsibility to complete the whole task without any additional change Request/Price Increase in Bill Of material. Prices Once quoted shall be fixed and No changes shall be entertained post the submission of the tender.