

Educational Multimedia Research Centre

Punjabi University, Patiala

NOTICE INVITING QUOTATIONS

Sealed quotations are invited from reputed vendors/System Integrators (SIs) for the relocation of the LU Rack and associated fiber segment work as per the scope detailed below. The quotations must be submitted in accordance with the following scope of work and terms.

Scope of Work:

1. Relocation of the LU Rack:

The LU Rack, currently located in a building that is being dismantled, needs to be relocated to the adjoining EMRC block, specifically in the office of the EMRC. The new location is clean, well-lit, rodent-free, and has concrete walls.

2. Fiber Segments:

There are two fiber segments: one terminating at the switch, and the other leaving from the switch.

3. Switch Replacement:

A new web-managed Layer-2 switch is to be purchased and installed.

4. Powering Down and Disconnection:

The vendor will safely shut down the current web-managed switch and other equipment in the rack. All network connections and power sources will be disconnected with support from the University Computer Centre and the Electrical Department of University. EMRC will also finalize the fiber-laying route in coordination with the Executive Department.

5. Dismantling and Transporting the Rack:

The LU Rack will be carefully dismantled, and all sensitive components will be securely packaged for safe transportation. Equipment and cables must be handled carefully to avoid damage during the process.

6. Fiber Stretching:

The fiber cable will be routed from the old building to the new EMRC location through the boundary wall, with proper protection to prevent bends or kinks. Additional ducting or cable trays will be installed if needed. From a designated point, moiling is to be carried out for underground laying of fiber.

7. Fiber Termination:

The fiber segment must be terminated at the designated patch panel near the relocated LU Rack. Appropriate tools and techniques will be used to ensure optimal performance and signal integrity.

8. Reassembly and Switch Installation:

The LU Rack will be reassembled at its new location, and the newly purchased web-managed Layer-2 switch will be installed. The switch and all cables will be securely connected.

9. Testing and Configuration:

The Vendor/SI will test the fiber for signal integrity, power up the switch, configure it, and restore any previous settings. The new switch will be connected via copper uplink to the existing switch on the first floor. Network connectivity will be tested to ensure proper functioning.

10. Documentation:

The Vendor/SI will provide updated network diagrams and documentation for the new setup.

Terms and Conditions:

- Payment will be made based on the actual purchase of equipment and the actual work done. Payment will be made only after successful installation of the equipment. The payment is made Online.
- To evaluate the L1 party (the lowest bidder), the quotation must include a list of materials and the quantities needed. Refer to the Table below :

Sr. No.	Descriptions	Qty (in per meter/ piece)	Unit rate	Amount
1	Outdoor Enclosure	01		
2.	Manhole	01		
3.	HDPE pipe (ISI)	70 meter		
4.	Optical Fiber cable 1G (6 core) Single mode (Commrax, Digilink, D-Link and Molex)	200 meter		
5.	LIU 12 port loaded (Commrax, Digilink, D-Link and Molex)	01		
6.	Laying of cable outside building through HDPE pipe	70 meter		
	Laying of cable in building	25 meter		
7.	Splicing charges	24		
8.	Trenching and civil work	200 meter		
9.	Dismantling of existing LU Rack and other item from existing position	01		
10	Installation of LU Rack etc. at the new site.	01		
11.	Switch Layer 2 Managed/ Web Managed, Technology: Number of 1G Copper Ports: 24, Number of 1G SFP Ports (Uplink) 4, Warranty: 3 Years onsite. (HP, D-Link, TP Link, Brqcade, Net Gear			
12.	SFP Module (Compatible with the switch at Item No. 11)	02		

- Please submit the quotation in a sealed envelope to the undersigned by (**submission deadline date 28-10-2024 at 1:00 pm**) in the office of Director EMRC.
- It is mandatory to mention the GST number of the vendor/ System Integrator.
- Prices should include all taxes. This is FOR Punjabi University, Patiala.
- Service support for the equipment will be provided for one year.
- **Vendors/System Integrators are recommended to visit the site to assess the work. Please contact the Director of EMRC in advance before your visit. (Mobile No. 8437009252)**
- The quantities and descriptions provided are just estimates to help select the L1 vendor. The actual quantity of items or work may change, and some items may not be purchased at all, depending on the real needs.

If you have any questions or need clarification (Technical), please contact the University Computer Centre at 9915099577 or 8146635600. In case any item need to be further included may please be added and intimated to us at email:emrcpatiala@gmail.com



**Director, EMRC
Punjabi University, Patiala**