

**TERMS OF REFERENCE/SCOPE OF WORK &
EVALUATION CRITERIA**

FOR

Wide Area Network and Internet Connectivity

PURPOSE:

This is a Request for Proposal (RFP) to solicit sealed proposals to select, procure, install and manage WAN and Internet Data Communication System and services. If a suitable offer is made in response to the RFP, the Commission may enter into a contract to have the selected bidder perform the entire project on turnkey basis. This RFP provides details on what is required to submit a Proposal for the work, how the Commission will evaluate the Proposal and what will be required by the Contractor in performing the work.

BACKGROUND:

The Securities and Exchange Commission of Pakistan (SECP) is a government agency whose purpose is to develop a modern and efficient corporate sector and a capital market based on sound regulatory principles, in order to foster economic growth and prosperity in Pakistan. SECP consists of a Main Head Office, located in NICL Building Blue Area, Islamabad with its eight branch offices across the country which include Peshawar, Islamabad, Lahore, Faisalabad, Multan, Sukkur, Karachi and Quetta.

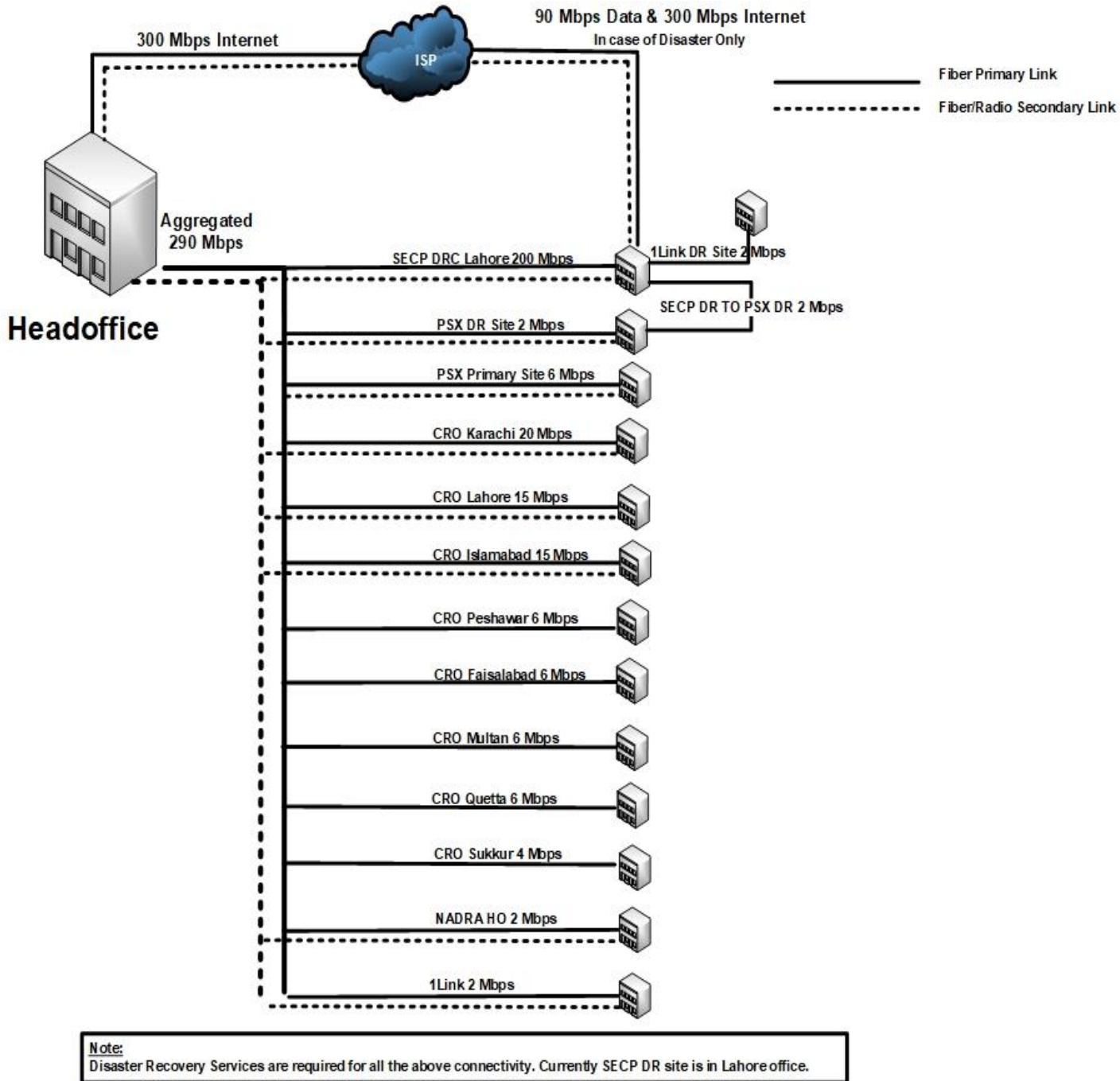
Information Systems and Technology Department (IS&TD) at SECP provides information technology leadership, to build the Commission's information technology infrastructure and effectively participate in making it a modern and efficient regulator. The Department strives to expand technology support to create the information technology environment that the Commission needs in order to achieve its mission and vision. To be successful in this role, IS&TD has been developing broad based partnerships throughout the organization and beyond, even reaching out to the outside stakeholders. In short, IS&TD's mission is to be the technology partner for all the members of the SECP community.

PROJECT OBJECTIVES:

The main objective of this RFP is to acquire a complete solution for SECP's WAN and Internet connectivity. Following requirements depict the expectations from WAN and Internet data connectivity providers:

- Redundant last mile connectivity for SECP Head office, CRO Karachi, Lahore, Islamabad , SECP DR Site (LHR), 1Link, NADRA office and PSX
- Aggregated Data Connectivity at Head office
- Internet connectivity at Head office only and in case of disaster will be shifted to DR site
- Video Conferencing with major branch offices and Head office
- Auto failover/fall back configuration in case of redundant connectivity

Following picture depicts the network diagram and required bandwidth at Head Office, Branch Offices, NADRA and Pakistan Stock Exchange. SECP need CIR WAN links and Internet connectivity with depicted bandwidth data rates.



The following table also summarizes the overall bandwidth requirement for each site:

S. No.	Location	Bandwidth
1.	Head Office (Internet)	300 Mbps
2.	Head Office-DRC Lahore (Data Replication link)	200 Mbps
3.	Head Office-CRO Lahore	15 Mbps
4.	Head Office-CRO Karachi	20 Mbps
5.	Head Office-CRO Peshawar	06 Mbps
6.	Head Office-CRO Multan	06 Mbps
7.	Head Office-CRO Quetta	06 Mbps
8.	Head Office-CRO Faisalabad	06 Mbps
9.	Head Office-CRO Islamabad	15 Mbps
10.	Head Office-CRO Sukkur	04 Mbps
11.	Head Office-Pakistan Stock Exchange (PSX)	06 Mbps
12.	Head Office-Pakistan Stock Exchange (PSX) DR Site	02 Mbps
13.	SECP DR Site-Pakistan Stock Exchange (PSX) DR Site	02 Mbps
14.	Head Office-NADRA Head office	02 Mbps
15.	Head Office-1Link Primary Site	02 Mbps
16.	SECP DR Site-1Link DR Site	02 Mbps

Following is the detail of Locations and Contact Persons:

S. No.	Location	Address	Point of Contact (POC)
1.	Head Office Islamabad	63 - NICL Building, Jinnah Avenue, Blue Area, Islamabad	Muhammad Younas 03345133677
2.	CRO Karachi	4th & 5th Floors, SLIC Building No. 2, Wallace Road, Karachi.	Haroon Nawaz 03002534241
3.	CRO Lahore	3rd Floor, Associated House, 7-Egerton Road, Lahore	Muhammad Shahzad Sarwar 03454455444
4.	DRC Lahore	4th Floor, Associated House, 7-Egerton Road, Lahore	Muhammad Shahzad Sarwar 03454455444
5.	CRO Islamabad	1st Floor, SLIC Building, 7-Blue Area, Jinnah Avenue, Islamabad	Muhammad Younas 03345133677
6.	CRO Peshawar	First Floor, State Life Building , The Mall, Peshawar	Muhammad Sohail Farooq 03005931098

7.	CRO Faisalabad	FCCI Building 2nd Floor Canal Road	Ghulam Mustafa 03335591768
8.	CRO Multan	63-A, Nawa-e-Waqt Building, 2nd Floor, Abdali Road, Multan	Muhammad Azam 03336116934
9.	CRO Quetta	Ground Floor, Aiwan-e-Mashriq, Plot No. 4-A, Opposite FC Headquarter, Shahrah-e-Hali, Model Town, Quetta	Abdul Rehman Khan Tareen 03337831955
10.	Pakistan Stock Exchange	PSX Building, Stock Exchange Road, Karachi	Haroon Nawaz 03002534241
11.	Pakistan Stock Exchange Secondary Site	Multinet Data Center, 1D-203, Sector 30, Korangi Industrial Area, Karachi, Pakistan	Haroon Nawaz 03002534241
12.	CRO Sukkur	House#4A, First Floor Sindhi Muslim Housing Society, Airport Road Sukkur	Haroon Nawaz 03002534241 Muhammad Ismail Baloch 03337566607
13.	1Link Primary Site	1Link Rack, PTCL Data Center, I.I. Chundrigar Road, Karachi	Muhammad Younas 03345133677
14.	1Link Secondary Site	1Link RACK, PTCL Data Center, Wafaqi Colony, Lahore	Muhammad Shahzad Sarwar 03454455444

STRICT REQUIREMENTS:

The SECP is pleased to invite data network operators for the complete solution of its entire WAN and Internet connectivity complying below STRICT requirements.

- Entire Fiber based connectivity is a MUST
- Ethernet based end point with a full duplex connection is a MUST
- MPLS based solution is a MUST
- Full Mesh Topology
- The SECP will only provide Ethernet based connectivity with end-points at all sites
- Ring fiber connectivity at respective data centers with Head Office, CRO-Karachi, CRO-Lahore, CRO-Islamabad, NADRA office, 1Link Primary Site and Pakistan Stock Exchange (PSX) is a MUST

- Other than ring fiber, a P2P redundant radio link (last mile backup of ring fiber) for aggregated Data and Internet connectivity MUST also be provided for Head Office (Islamabad) and DR Site
- A single public IP pool of **30 useable IP's** must be assigned to the SECP by the service provider. Service provider will provide Public IPs for P2P connectivity wherever required
- 4x public IP's duly white listed from PTA for the SECP's video conferencing needs
- **Onsite Installation:** Supplier will be responsible for onsite installation. Cost of installation and migration must be included in the solution's total cost.
- **DR Drill:** The SECP conducts DR drill twice a year and during this exercise, shifting of all WAN links and Internet connectivity from primary to DR site will be provided free of cost by ISP.

Technical Evaluation Criteria

Below is the technical evaluation criteria for the submitted bids:

Technical Evaluation Criteria		
S. No.	Requirements	Criteria
1.	Entire Fiber based connectivity	MUST
2.	Ethernet based end point with a full duplex connection	MUST
3.	MPLS based solution	MUST
4.	Full Mesh Topology	MUST
5.	Ring fiber connectivity with respective data centers at Head Office, CRO-Karachi, CRO-Lahore, CRO-Islamabad, NADRA office, 1Link Primary Site and Pakistan Stock Exchange (PSX) primary site	MUST
6.	P2P redundant radio link (last mile backup of ring fiber) for aggregated Data and Internet connectivity shall also be provided for Head Office (Islamabad) and DR Site	MUST
7.	Public IP pool of 30 usable IP's must be assigned to the SECP by the service provider	MUST
8.	04 x public IP duly white listed from PTA for the SECP's video conferencing	MUST
9.	End to end availability of 99.5% is required for all the sites mentioned in the RFP	MUST
10.	Complete compliance to attached SLA including penalty clause as attached with the RFP	MUST
11.	Shifting of WAN and Internet connectivity to DR site during DR drill, twice a year free of cost service	MUST
12.	Troubleshooting mechanism and trouble ticket escalation matrix should be attached with the proposal	MUST
13.	Service provider must have its own complete end-to-end fiber infrastructure at all the mentioned sites in the RFP	MUST
14.	Service provider should be in the ISP business for at least last five (05) years	MUST
15.	List of existing clients with contact details	MUST
16.	One month testing and verification of allocated links and the bandwidth will be offered by the selected service provider free of cost.	MUST
17.	Deployment, installation and configuration should be completed before June 01, 2021. SECP will shift its existing connectivity to the service provider in June 2021.	MUST

* Technical proposals not meeting the above MUST criteria will be eliminated

SCOPE OF WORK:

The SECP needs complete WAN and Internet connectivity for inter-office communication as well as with its external stakeholders. Following services are required from successful participant:

Plan, Design and Implement the entire WAN and Internet connectivity at Head Office, Peshawar, Islamabad, Lahore, Faisalabad, Multan, Karachi, Quetta, Sukkur offices, NADRA, 1Link (Both Primary and Secondary sites) and Pakistan Stock Exchange (Both Primary and Secondary sites).

All testing and verification of system will be done by the SECP team with the help of successful bidder. One month testing and verification of allocated links and the bandwidth will be offered by the selected service provider free of cost.

PROPOSAL SUBMISSION:

- Following must be made part of the proposal:
 1. Technical proposal must include a table of contents listing all sections:
 - a. Section 1: Introduction and general information about the bidder (including years in business)
 - b. Section 2: Staffing and technical manpower with experience and qualification
 - c. Section 3: Support matrix, escalation matrix including the helpline/ UAN details
 - d. Section 4: Existing clients along with contact details
 - e. Section 5: Compliance to technical evaluation criteria (Yes/No)
 2. Financial proposal must include
 - a. Section 1: Cost of complete proposal for one year, including the monthly breakup of each cost including all taxes (if applicable).
 - b. Section 2: Additional per Mbps cost for each WAN link.

TERMS & CONDITIONS:

- Comprehensive warranty & onsite Support for three (03) years MUST be offered for all CPE (Customer Premises Equipment) by service provider.
- Service provider must have a call center with 24x7 availability and a UAN for complaint logging and escalation.
- Complete installation MUST be completed before June 01, 2021. SECP will shift its existing connectivity to new service provider in June 2021.
- Billing will start from July 01, 2021.
- Exact timelines of commissioning of all WAN links must be clearly mentioned in the proposal.
- Cost for each WAN link must be quoted separately in the proposal.
- One-time cost/ installation charges, if any, must be quoted separately in the proposal

Format for Financial Bid

S. No.	Location	Bandwidth	Quoted Price (Rs.) Incl. of all applicable Taxes Per Month
1.	Head Office (Internet)	300 Mbps	
2.	Head Office-DRC Lahore (Data Replication link)	200 Mbps	
3.	Head Office-CRO Lahore	15 Mbps	
4.	Head Office-CRO Karachi	20 Mbps	
5.	Head Office-CRO Peshawar	06 Mbps	
6.	Head Office-CRO Multan	06 Mbps	
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14.	Head Office-NADRA Head office	02 Mbps	
15.	Head Office-1Link Primary Site	02 Mbps	
16.	SECP DR Site-1Link DR Site	02 Mbps	
A	Total Charges (Rs.) - Per Month	-	
B	Total Charges (Rs.) - Per Quarter	B = A x 3	
C	Total Charges (Rs.) - Per Annum	C = A x 12	
D	Total Charges (Rs.) - for 03 years	D = A x 36	
Note: Bid Security shall be 2% of S. No. D i.e. Total Charges (Rs.) - for 03 years			