



Ref: LKPC/PRO/EOI/20221002/001

**EXPRESSION OF INTEREST
FIBER CONNECTIVITY FOR LKPC**

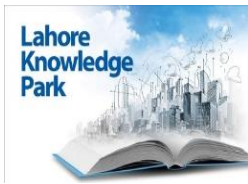
Issue Date: October 2, 2022

Closing Date: October 20, 2022

**LAHORE KNOWLEDGE PARK COMPANY
HIGHER EDUCATION DEPARTMENT
GOVERNMENT OF THE PUNJAB
15-A Abu Bakar Block, New Garden Town, Lahore.**

Contents

1.	General Information.....	4
2.	Introduction.....	5
3.	Functional Requirement.....	6
4.	Eligibility Criteria	9
5.	Instructions.....	10



LAHORE KNOWLEDGE PARK COMPANY
Expression of Interest
Fiber Optics Connectivity for LKPC



Lahore Knowledge Park Company (LKPC), invites EOIs from reputed local and international firms for provision of Fiber Connectivity with 100% redundancy on BOOT basis.

For further information, interested parties may contact the CEO Office on any working day at the following address:

Lahore Knowledge Park Company,
15- Abu Bakar Block, New Garden Town, Lahore.
Tel: +92 42 99233337
Web: www.lkpc.com.pk
Email: info@lkpc.com.pk

The EOIs must be submitted on or before October 20, 2022 at 11:00 am at the above status address. The EOIs will be opened at 11:30 am on the same date and address.

General Terms:

1. The scope of work (services) along with other related information of services required is provided in the EOI documents.
2. The interested firms can download the EOI documents from the websites: www.lkpc.com.pk & www.ppra.punjab.gov.pk or can obtain through email from sohail@lkpc.com.pk or in hard copy from the address given above during office hours, immediately after the publication of this advertisement in Newspapers.
3. The Competent Authority may reject all the proposal at any time prior to the acceptance of a proposal as per Rule 35 of PPR-2014.

1. General Information

Interested firms must ensure that they submit all the required documents indicated in the Documents without fail.

Applicability of Punjab Procurement Rules, 2014

This EOI Process will be governed under Punjab Procurement Rules, 2014, as amended from time to time and instructions of the Government of the Punjab.

Important Dates

Last date of Submission: October 20, 2022 (11:00 AM)

Lahore Knowledge Park Company, 15 Abu Bakar Block, New Garden Town, Lahore.

Opening shall take place on Date: October 20, 2022 (11:30 AM)

Lahore Knowledge Park Company, 15 Abu Bakar Block, New Garden Town, Lahore.

Request for Expression of Interest

The Lahore Knowledge Park Company intends to invite expression of interest for the: “**Fiber Optics Connectivity**”.

Primary Contact:

Mr. Sohail Haroon,
Manager, Admin. & Procurement,
15 Abu Bakar Block, New Garden Town, Lahore.
Email: sohail@lkpc.com.pk

2. Introduction

The Lahore Knowledge Park Company (LKPC) was incorporated in October, 2014 as a Public Sector Company under section 42 of the Companies Act, 2017 registered with the Securities & Exchange Commission of Pakistan. The Company is governed by its Board of Directors comprising of 5-ex officio and 6-members from Private Sector. The parent department of the Company is Higher Education Department (HED).

The Government of Punjab has allocated a piece of land measuring around 852 acres situated at Rakh Dera Chahl, Bedian Road, Lahore to the Higher Education Department for the development of Lahore Knowledge Park. The LKPC is mandated to develop, maintain and manage Knowledge Park(s) in the province of Punjab and assigned the responsibility to develop Lahore Knowledge Park as per the vision of Govt. of the Punjab.

The Vision statement and Mission statement are as follows: -

Vision Statement

Excellence in Knowledge & Enterprise.

Mission Statement

- Deliver an enabling ecosystem for innovation, enterprise and thought leadership.
- Attract investment, partnership and joint venture in contemporary technologies and cutting-edge manufacturing.
- Create value chain transforming knowledge to economy.
- Proactive interface for creativity to commercialization.
- Provision of customized infrastructure and services for functioning of reputed national and international universities, colleges, institutes and hi-tech industry.
- Provision of state-of-the-art environment for attracting highly skilled professionals to LKP.

3. Functional Requirement

- Lahore knowledge Park Company invites proposals for design, supply, Installation, testing, Commissioning, of IT Systems (EPON/GPON Based Optical Fiber Network and allied Equipment), and provision of bandwidth as managed services, for LKP and Operation & Maintenance (O&M) for 03 to 05 years. The IT Systems solution needs to be rolled out for approximately 800 acres of land within Lahore Knowledge Park.
- LKPC is doing its best efforts to facilitate and promote the knowledge based economy and related industry of Pakistan. One of the facilities offered is redundant bandwidth services inside Lahore Knowledge Park through its Data Node Network. LKP requires the most reliable bandwidth and connectivity services through top Tier-I operators (PIE & TW1).
- The System consists of Optical Line Terminal (OLT), Optical Network Unit (ONU), Optical Fiber Cables (OFC), etc. and its connectivity with other allied IT equipment successfully provisioning the bandwidth and connectivity services to the end-users.
- The IT Systems comprises the following core components along with associated equipment and services:
 - Connectivity (Point to point, Point to multipoint, VPN's etc.)
 - Data /Bandwidth
 - Voice/ Video
 - Optical Fiber Cable (OFC)
 - Optical Line Terminal (OLT)
 - Optical Network Unit (ONU)
 - Splitters and Optical Distribution Frames (ODFs)
 - Network Management Software (NMS)
 - Power Bank System (where required)
 - Connectivity with other systems (as per requirement)
 - Establish an on-site NOC (Network Operation Center) for routine O&M
- There must be provision of increasing the bandwidth to any desired higher value on demand for a limited time
- Service provider will provide 99.995% uptime in O&M agreement for bandwidth or any other connectivity service; otherwise, penalty will be imposed as mentioned in the document.
- The LKPC will facilitate in civil works and related permission for lying of cables / towers / equipment.

Network

- Providing connectivity through reliable media (10G/50G connectivity from OLT to OLT and from OLT to Core/Aggregation/Distribution).
- Provide detail network diagram with network architecture.
- Provide all network components including all active and passive equipment.
- Installation of network equipment (core & distribution).

- Deployment of fiber optics network covering 200 acres of land in Phase-I.
- Deployment of fiber optics network covering 800 acres of land in Phase-II.

NOC (Network Operation Center)

- NOC will be required at designated location within LKPC vicinity.
- The NOC will be used for monitoring and to install equipment for connectivity services and to place on-site resident engineer for routine O&M.

Services Required

Detail of services required roles, responsibilities and scope of work for IT Systems Solution Deployment are listed below:

- a) Provision, Install, configure, customize, deploy, thoroughly test, maintain and operate all IT Systems components - including all related equipment and software necessary for the smooth running of the system, in accordance with provisions of this document, good industry practices, applicable laws.
- b) Provision, Install, maintain and operate a robust, scalable, secure, and efficient EPON / GPON based Optical Fiber Network
- c) Details of suitably skilled personnel (dedicated team) for configuration/customization, installation and prompt and efficient technical support/maintenance of all IT Systems components.
- d) Adequate spare parts for backup will be in place, in order to ensure uptime defined in the Service Level Agreements. Cost to be borne by service provider/successful Applicant.
- e) Submit detailed design, documentation, and manuals (also in softcopy) of related IT Systems components being implemented.
- f) Establish formats, standards, parameters, and protocols for communication among the different sub-systems of IT Systems.
- g) Monthly/weekly reports on status / progress of IT Systems implementation as per scope defined in this Document.
- h) Implement appropriate security measures for the information and data generated from operations of IT Systems, and deploy standard management procedures, contingency plans and back up plans to cope with any system failure.
- i) Develop/Document detailed equipment and IT Systems component maintenance plan, in consultation with LKPC, and implement it. The plan must cover procedures and parameters for preventive and breakdown maintenance, as well as maintenance review procedures.
- j) Guarantee smooth operations and functioning of all IT Systems components during the entire contract period.
- k) Coordinate all equipment and software maintenance activities well in advance with authorized/designated personnel at LKPC.
- l) Replace faulty equipment, hardware, software at its own cost to ensure adherence to stated service-level parameters.

- m) Cooperate with all other service providers and facilitate their operations in the LKP In case of damages to LKPC or other Service Provider property on the part of the IT Systems.
- n) Ensure scalability of the IT Systems to cater to the future requirements and needs.
- o) Take prompt and reasonable action for resolution of each complaint, received from LKPC/Customer, related to IT Systems operations and generate log of each complaint along with the details of the resolution.
- p) Adequate resources from the contractor's side must be available to ensure smooth operations of IT Systems.
- q) NMS for system generated real time alerts/reports viewable via centralize dashboard to determine downtime and performance of equipment installed and services provisioned
- r) The Contractor is responsible for operating the entire IT Systems including all its components and peripherals, reliably and securely at all times during the course of the contract.

4. Eligibility Criteria

4.1 The Firm is required to submit proposal.

4.2 Eligible Firm is a firm who:

- has a registered/incorporated company/firm in Pakistan with relevant business experience of at least 5 years i.e.
 - Installation of network equipment (core & distribution)
 - Deployment of fiber optics network covering more than 10 km
 - Manage services contract of network operations
- has valid Registration of Sales Tax & National Tax Number (NTN);
- must have valid relevant licensing from PTA (Provide Document);
- must be registered with relative authorities, with valid certificate.
- must be involved in Internet Services Business for at least three (03) years;
- must have Financial soundness showing by the last 3 years Audited Accounts by any Chartered Accountant Firm.
- must have sufficient Managerial and Technical human resources to accomplish the project in effective manner.
- has not been blacklisted by any of Provincial or Federal Government Department, Agency, Organization or autonomous body or Private Sector Organization anywhere in Pakistan. (Submission of undertaking), failing which will cause rejection of the proposal;

NOTE: Verifiable proof for all the above shall be mandatory. Non-submission may cause disqualification.

5. Instructions

- 5.1 The Client reserves the right to modify, expand, restrict, discontinue with the project or reject any EOI within the meanings of the Punjab Procurement Rules 2014 as amended to date.
- 5.2 The Applicant is required to furnish an amount of PKR 10,000/- (Rupees ten thousand only) in the form of PO / DD in the name of “Lahore Knowledge Park Company” along with the application.
- 5.3 Following documents are required to furnish:
- a) Cover letter.
 - b) Name, address and company registration details (including the year of incorporation and the number of years of relevant experience). Please also attach copy of registration/ incorporation certificate.
 - c) A profile of the firm / consortium / joint venture (in case of a consortium, copies of the agreement indicating the nature of the association to be furnished) with an organogram, a summary of qualifications and experiences of designated staff and any other relevant information. Registration of firm with relevant professional body.
 - d) In case of Consortium, all the Consortium partners individually should submit the Certificate of Incorporation/Registration. A consortium/Joint Venture Agreement signed by all the partners must be registered in Pakistan under relevant laws and submitted with the Proposal together with the copy of the proposed Agreement. Prime Applicant must be registered / incorporated in Pakistan and existing for the past three years. Proof of registration/incorporation be submitted. All partners of the Consortium/JV shall be liable jointly and severally for the execution of the contract in accordance with the contract terms and conditions and a statement to this effect shall be included in the Undertaking to be submitted. The Undertaking should clearly authorize the Prime Applicant to act on their behalf for the entire Process and execution of the contract.
 - e) National Tax Number.
 - f) Audited Balance Sheet for the previous 3 years of the lead and the associated organizations / consortium members (if any).
 - g) Details of similar major assignments undertaken (completed or ongoing with beginning and end dates of projects) involving the preparation of comprehensive development plans, indicating regional / metropolitan scales of interventions, contract value and the name of the client. This information should be presented in a tabular format.
 - h) All documents should be in English. Documents prepared in any other language must be translated into English and certified by a competent authority.
 - i) Undertaking by the firm that it has not been blacklisted by any Government Agency/Authority.

5.4 Please include the following contact details and append with the EOI.

Name of Company:	
Form of organization:	
Postal address:	
Telephone number (country and city code):	
Fax number, (country and city code):	
URL:	
Contact Person1:	
Telephone number:	
Mobile telephone number:	
Fax number:	
Email:	
Contact Person 2:	
Telephone number:	
Mobile telephone number:	
Fax number:	
Email:	

5.5 The EOI documents are to be submitted **by post or by hand before the due date and time** to the following address:

Manager Admin & Procurement

Lahore Knowledge Park Company

15-Abu Bakar Block, New Garden Town, Lahore, Pakistan.

Tel: +92 42 99233337

Cell: 0300-4648128

Web: www.lkpc.com.pk

Email: sohail@lkpc.com.pk

5.6 The envelopes must be sealed and clearly marked.

5.7 The client must send One original set of all documents duly initialed by the authorized representative of the Applicant and two copies.

5.8 For further queries, please write to the email addresses given at 5.5 above.