

***Tender Fee: Rs. 5,000/-  
(Non-Refundable)***

## **TENDER FORM**

### **Tender # IT/29/24-25 Provide, Supply and Commissioning Optical Fiber Cable with Passive Working**

Date of Issue : June 3, 2025  
Last Date of Submission : June 20, 2025 (03:00 PM)  
Date of Opening of Tender : June 20, 2025 (03:30 PM)

Company Name: \_\_\_\_\_

NTN: \_\_\_\_\_, SRB Registration Number: \_\_\_\_\_

GST Registration Number: \_\_\_\_\_

Pay Order / Demand Draft # \_\_\_\_\_, Dated: \_\_\_\_\_

Amount of Rs. \_\_\_\_\_, Drawn on Bank: \_\_\_\_\_

## **Notice Inviting Tender (NIT)**

### **Tender Notice**

The Institute of Business Administration (IBA) Karachi, invites online bids on SPPRA EPADS (only) from tax-compliant firms / companies / distributors, registered with the relevant tax authorities and SPPRA EPADS, for the following tender:

<b>Tender Title (Ref. No.)</b>	<b>Procedure</b>	<b>Bid Security</b>
Provide, Supply and Commissioning Optical Fiber Cable with Passive Working (IT/29/24-25)	Single Stage One Envelope	2%
<b>Tender Fee &amp; Dates</b>		
<p>► <i>Tender Document Fee:</i> Rs. 5,000/-</p> <p>► <i>Issuance start date:</i> June 3, 2025, at 9:00 AM</p> <p>► <i>Issuance end date &amp; time:</i> June 20, 2025, at 3:00 PM</p> <p>► <i>Submission date &amp; time:</i> June 3, 2025, to June 20, 2025, from 9:00 AM to 3:00 PM</p> <p>► <i>Opening date and time:</i> June 20, 2025 at 3:30 PM</p>		

The tender documents can be downloaded from the IBA and SPPRA EPADS websites. The tender fee challan be generated from the IBA website at <https://tenders.iba.edu.pk> and deposited at any branch of Meezan Bank Ltd.

Tender Document/Bid (with a copy of Bid Security/Earnest Money and supporting documents) should be submitted/uploaded on SPPRA EPADS <https://portalsindh.eprocure.gov.pk/>. The original Bid Security along with the Original Bid (duly signed and stamped) be delivered to IBA, Karachi on below mentioned address before bid opening schedule. Bids will be opened on the same date and venue in the presence of the bidders' representatives who may wish to attend.

Please ensure that bid security, in the form of a Pay Order or Demand Draft, is submitted in favor of 'IBA Karachi' along with the tender.

**N.B. (1)** IBA Karachi reserves the right to reject any bid or cancel the bidding process subject to the relevant provision of SPP Rules 2010.

**(2)** Only uploaded bid along with supporting documents will be accepted. In case there is a contradiction between bidder's EPADS submitted bid and manually submitted bid, bid submitted on EPADS will be considered valid for evaluation purpose.

### **REGISTRAR**

IBA, Main Campus, University Enclave, Karachi 75270

111-422-422 Fax (92-21) 99261508

Contact Person Sr. Executive Procurement on 38104700 ext: 2152

Email [tenders@iba.edu.pk](mailto:tenders@iba.edu.pk) Website <https://www.iba.edu.pk/tenders>

SPPRA Website: <https://portalsindh.eprocure.gov.pk/>

# **CONTENTS**

1. Introduction	Page 4
2. Instructions	Page 5
3. Bidding Data	Page 7
4. Terms & Conditions	Page 8
5. Integrity Pact	Page 11
6. Bidder Qualification Criteria	Page 12
7. Bill of Quantity	Page 13
8. General Conditions of Contract	Page 17

## 1. Introduction

Dear Tenderer

Thank you for your interest in responding to the IBA's advertisement which floated on the IBA & SSPRA websites on June 3, 2025, to "Provide, Supply and Commissioning Optical Fiber Cable with Passive Working".

The Institute of Business Administration, Karachi (IBA) is the oldest business school outside North America. It was established in 1955 with initial technical support provided by the Wharton School of Finance, University of Pennsylvania. Later, the University of Southern California (USC) set up various facilities at the IBA & several prominent American professors were assigned to IBA. The course contents, the curriculum, the pedagogical tools & the assessment & testing methods were developed under the guidance of reputed scholars from these two institutions. IBA has zealously guarded the high standards & academic traditions it had inherited from Wharton & USC while adapting and adjusting them over time.

We expect to avail services/works/items of high standards that meet our prime & basic specifications through this transaction.

Please contact Senior Executive Procurement on 38104700 ext: 2152 for any information or query.

Thank you.

-sd-

**Registrar**

## 2. Instructions

### (a) **Sign & Stamp**

It is necessary to fill in the Tender Form meticulously and sign & stamp every page. Moreover, attach the required supporting documentation according to the requirement. The tender document will be accepted ONLY on the IBA's prescribed Tender Document available on the IBA's Website.

### (b) **Filling in the Tender Form**

Filling the Tender Form in writing with ink or typing is mandatory. Do not leave any column/item blank. If you want to leave the item/column unanswered please, write 'Doesn't Apply/Doesn't Arise'. If you need more space, please attach a paper & clearly mention the item/column name or number etc. that referred to the column/item of the Tender Form.

### (c) **Collection of Tender**

The tender documents can be downloaded from the IBA and SPPRA EPADS websites. The tender fee challan be generated from the IBA website at <https://tenders.iba.edu.pk> and deposited at any branch of Meezan Bank Ltd from June 3, 2025, to June 20, 2025, from 09:00 AM to 03:00 PM.

### (d) **Tender Number**

Please mention "Tender Number" at the top left corner of the envelopes. IBA, Karachi may reject any bid subject to the relevant provision of SPP Rules 2010 and may cancel the bidding process at any time before acceptance of the bid or proposal as per Rule-25(i) of said rules.

### (e) **Communication**

Any request for clarification regarding technical specifications should be submitted in writing to:

Contact Person (IBA):	Senior Executive Procurement Institute of Business Administration, Main Campus, University Enclave, Karachi
Tel #:	021 38104700; Ext 2152
Email:	<a href="mailto:tenders@iba.edu.pk">tenders@iba.edu.pk</a>

---

Stamp & Signature

**(f) Submission of Documents and Address**

Tender Document/Bid (with a copy of Bid Security/Earnest Money and supporting documents) to be submitted on SPPRA EPADS <https://portalsindh.eprocure.gov.pk/> by June 20, 2025 till 3:00 PM. The original Bid Security along with the Original Bid (duly signed and stamped) be delivered to IBA, Karachi on above mentioned address before bid opening schedule.

**(g) Rights**

Competent authorities reserve the right to accept or reject any tender without any reason thereof. Also, the Authority reserves the right to change/alter/ remove any item or article or reduce/enhance quantity without assigning any reason. IBA also reserves the right to issue a Purchase Order for any single item to different lowest responsive bidders or for all the items to any lowest responsive bidder.

**(h) Delivery of Supplies**

All supplies will be delivered directly to the IBA Stores, Main Campus, Karachi University Enclave, Karachi, at the discretion of the IBA. If the supply delivered does not conform to the specifications and bill of quantity, the supply will not be acknowledged as satisfactory.

**(i) Location of Installation**

Installation of the equipment will be instructed by the IBA ICT department after the delivery. IBA will not liable to pay any Custom duty, Levies, Taxes, Demurrage or any other charges, Warehousing, Logistics etc.

**(j) Clarification / Proof**

Please submit copies of certificates of registration with the Sales Tax and Income Tax departments. The manufacturer/firms/companies/distributors/suppliers should also provide a copy(ies) of the certificate(s) etc as proof of their claim.

**(k) Conditional / Optional / Alternate Bids**

Such bids will not be accepted.

**(l) Site Survey**

The Supplier may survey the site and quote services accordingly:

- *Contact Person:* Mr. Kamran Khan
- *Contact No.:* 0332-2229043
- *Location:* IBA City Campus, Kiyani Shaheed Road, Karachi
- *Day & Time:* June 3, 2025 to June 20, 2025 from 10:00 AM to 03:00 PM except Saturdays, Sundays and Holidays.

### 3. Bidding Data

- (a) **Name of Procuring Agency:** Institute of Business Administration, Karachi.
- (b) **Brief Description of Works:** Provide, Supply and Commissioning Optical Fiber Cable with Passive Working.
- (c) **Procuring Agency's Address:** Main Campus, University Enclave, Karachi.
- (d) **Amount of Bid Security:** Bid Security of 2% of the total amount/cost will be submitted along with Tender Documents in the shape of PAY ORDER / DEMAND DRAFT only in the name of the Institute of Business Administration, Karachi.
- (e) **Period of Bid Validity (days):** Forty-five (45) Days.
- (f) **Deadline for Submission of Bids:** The last date for submitting the Tender Document is June 20, 2025, by 3:00 PM on SPPRA EPADS portal.
- (g) **The Venue, Time, and Date of Bid Opening:** The Tender will be opened on June 20, 2025, at 03:30 PM at IBA Main Campus, University Enclave, Karachi in the presence of representatives who may care to attend.
- (h) **Liquidity damages:** In the event of delay in delivery at supplier fault, the supplier shall inform the purchaser before the expiry of such period giving reasons or justification for delay. However, the purchaser reserves the right to take the following actions:
- 1) Evaluate the request for extension in the delivery period as per its merit and may consider extension in delivery period or otherwise.
  - 2) May cancel the contract.
  - 3) Liquidated damages (if imposed) will be recovered at the rate of up to 2% per month and shall not exceed 10% of the total value of the contract.
- (i) **Deposit Receipt No:** \_\_\_\_\_ **Dated:** \_\_\_\_\_
- Amount** (in words and figures): \_\_\_\_\_
- Pay Order / Demand Draft #:** \_\_\_\_\_, **Amount: Rs.** \_\_\_\_\_
- Drawn on Bank:** \_\_\_\_\_, **Dated:** \_\_\_\_\_

\_\_\_\_\_  
Stamp & Signature

## **4. Terms & Conditions**

### **a. Bid Security**

Bid Security, in the shape of a bank draft/pay order in the name of “**Institute of Business Administration**” Karachi, equivalent to 2% of the total cost of the bid, should be submitted along with the tender documents.

### **b. Performance Security**

The successful bidder should provide 5% Performance Security of the total value of the Purchase Order in the form of a Pay Order or bank guarantee before the signing of the Contract. The Performance Security shall extend at least three months beyond the Completion of the contract.

### **c. Validity of the Tender**

All proposals and prices shall remain valid for a period of 45 days from the closing date of the submission of the proposal. However, the bidders are encouraged to state a longer period of validity for the proposal.

### **d. Currency**

All currency in the proposal shall be quoted in Pakistan Rupees (PKR).

### **e. Ownership**

The ownership of all products and services rendered under any contract arising as a result of this tender will be the sole property of IBA.

### **f. Arbitration and Governing Law**

In case of any dispute, difference, or question which may at any time arise between the parties hereto or any person under them, arising out of or in respect of this Letter of Intent or the subject matter hereof, the same shall be referred to and finally resolved by arbitration under the Arbitration Act, 1940, as amended from time to time. The arbitration shall be administered in accordance with the rules and procedures of the Alternative Dispute Resolution International Center (ADRIC) at the Institute of Business Administration (IBA), Karachi.

### **g. Acceptance of Tender**

The IBA reserves the right not to accept the lowest and to annul the bidding process without assigning any reason whatsoever. Before final decision is made, IBA Karachi may ask to provide a demo unit that the supplier quoted in the tender.

---

Stamp & Signature



**h. Support Capabilities**

The Bidder should indicate the support capabilities for all the hardware provided during the course of the warranty.

**i. Compliance with specifications**

The bidder shall provide information as per the requirements given in BoQ. However, the bidder can submit multiple solutions. The bidder may not propose/supply any kind of refurbished hardware equipment/ components in their proposals.

**j. Bid Evaluation:**

The bid will be considered as Most Advantageous Bid, on most closely conforming to evaluation criteria and other conditions specified in the bidding document and having the least evaluated cost.

**k. Cancellation**

IBA reserves the right to cancel any or all of the above items if the material is not in accordance with its specifications or if the delivery is delayed.

**l. Packing & Transportation**

All Equipment shall be individually packed in standard packing provided by the manufacturer for onwards transportation and delivery. Any item damaged during transportation will be replaced by the bidders at their own cost

**m. Delivery Time**

The items should be delivered within 4 to 6 weeks from the issuance of the Letter of Acceptance.

**n. Commissioning & Installation**

Installation of the equipment will be instructed by the IBA ICT department after the delivery. The bidder will be required to complete the commissioning and installation works within 30 days of site provision.

**o. Inspection/Testing**

The Head of Procurement in coordination of technical department will inspect the items as per specifications after arrival at IBA stores and will carry out necessary testing of equipment and render a Certificate of Correctness. The material of this order is subject to final inspection from Competent Authority Technical Team at the time of delivery.

---

Stamp & Signature

**p. Default**

If the Bidder fails to timely deliver items/services as per Bill of Quantity, IBA, Karachi reserves the right to penalize and may also terminate the contract.

**q. Liquidity Damages**

Liquidity damages at the rate of 2% per month of the total contract amount will be imposed on delayed delivery or work, up to 10% of the total contract value.

**r. Increase in Price**

No increase in the value of the above-mentioned items will be accepted on account of either unit price, total price, any or all other charges, duties, taxes (other than Sales/Service tax), the scope of supply and or any other head of account shall be allowed.

**s. Increase in Taxes**

For any increase in taxes, the IBA should not be responsible.

**t. Genuinity**

Only genuine or original Items will be accepted. Any substandard work & item will not be allowed or accepted.

**u. Invoice**

The invoice/bill should be submitted to the Purchase Department.

**v. Stamp Duty**

The Stamp duty of 0.35% against the total value of the Purchase Order will be levied accordingly.

**w. Payment**

- i. Payment for complete delivered supplies shall be made within 30 working days.
- ii. Payment for services shall be made within 30 working days of project completion.
- iii. All payments are subject to submission of a commercial invoice.

**x. Demonstration**

Demonstration of quoted or proposed brand or model along with all accessories may be required.

**y. Warranty**

1 year comprehensive onsite OEM warranty with 25 years system performance warranty.

---

Stamp & Signature

## 5. Integrity Pact

- (a) Its intention is not to obtain the Provide & Supply work of any Contract, right, interest, privilege, or other obligation or benefit from the IBA or any administrative or financial offices thereof or any other department under the control of the IBA through any corrupt practice(s).
- (b) Without limiting the generality of the forgoing the Bidder represents and warrants that it has fully declared the charges, fees, commission, taxes, levies etc, paid or payable to anyone and not given or agreed to give and shall not give or agree to give to anyone within the IBA directly or indirectly through any means any commission, gratification, bribe, gifts, kickback whether described as consultation fee or otherwise, with the object of obtaining or including the Provide & Supply or service contract or order or other obligations whatsoever from the IBA, except that which has been expressly declared pursuant hereto.
- (c) The Bidder accepts full responsibility and strict liability for making any false declaration/statement, not making full disclosure, misrepresenting facts or taking any action likely to degrade the purpose of declaration, representation and warranty. It agrees that any contract/order obtained aforesaid shall without prejudice to any other right & remedies available to the IBA under any law, contract, or other instruments, stand void at the discretion of the IBA.
- (d) Notwithstanding any right and remedies exercised by the IBA in this regard, Bidder agrees to indemnify the IBA for any loss or damage incurred by it on account of its corrupt business practice & further pay compensation to the IBA in any amount equivalent to the loss of any commission, gratification, bribe, gifts, kickback given by the company/firm/supplier/agency/bidder as aforesaid to obtain or induce Provide & Supply/work/service or other obligation or benefit in whatsoever from the IBA.

### **Note:**

**This integrity pact is a mandatory requirement other than auxiliary services/works.**

---

Stamp & Signature

## 6. Project Description

### a. Overview

IBA (Institute of Business Administration) is planning to install and upgrade an optical network infrastructure in their building.

This project involves providing the necessary network passive components, as well as handling their installation, configuration, and testing.

Bidders are invited to submit their proposals and solutions to this request. Bidders must demonstrate their experience and knowledge through their technical proposals including a comprehensive description of the proposed solution that meet the technical requirements of IBA as described in this RFP.

The bidder shall guarantee that all parts to be provided are going to be original parts approved by international organizations. The bidder shall also make sure that he/she reads this document and that he/she shall provide his proposal without any preconditions on the execution of the scope of work listed herein. The vendors must provide in their proposals a detailed scope of work to clearly state in detail the activities which will be conducted by the bidder/vendor/service provider and how the proposed network solution will address the needs.

### b. Project Objectives

The objective of this RFP is upgrading backbone fiber network for the location marked in network design, department's connectivity via fiber optic back bone and improvement of local network and future bandwidth requirement keeping international standard deployment procedure on top.

The recommended cabling solution has to be:

- Modular
- Expandable
- Simple and Manageable
- Resilient
- As per international standards

IBA is looking to procure a fiber Back Bone cable that is:

- Standard/ Compliant Solution.
- LSOH/FRNC fiber outdoor loose tube direct buried or duct type fiber.
- Stranded Single Mode (OS2) Fiber Optic Solution designed for outdoor use for campus, city and intercity backbones in duct and direct burial installations.
- Highest density fiber Patch Panels, preferably 96core in 1U if needed in future.
- SM E9/125 SMF28e+(OS2)
- Fiber system to support 100G speeds.

---

Stamp & Signature

- ANSI/TIA/EIA-568
- Commercial Building Telecommunications Cabling Standard
- 25 years System Performance warranty.
- 1 year physical product warranty.
- End to End Solution from single brand to make sure 25 years System performance warranty should be offered. (i.e. for complete Physical Link).

### c. Scope of Work

The bidder should propose cabling infrastructure considering or covering, but not limited to the following:

- End to end project delivery within the required time will be responsibility of Bidder.
- The Bidder will submit the detailed low level design reference for the Project.
- The Bidder will submit the detailed fiber route layouts (Single line diagram) and Rack Face elevation layouts with the equipment placement.
- The Bidder should assign full time onsite project manager for this project.
- Share complete component details and specification sheets.
- Dedicated resources to be available from Bidder during setup and implementation.
- It will be the responsibility for the Bidder to provide any parts which it feels are needed to provide a working standard industry certified structured cabling solution.
- Bidder shall align proper Product / Services Certified team of specialists / Installation for implementation work as per Work standards.
- IBA and its Project team reserve the right to request for replacement of any material supplied and found to be faulty or not performing as expected. Such replacement will be at the bidders cost (including shipment and installation) and request the bidder to conduct further random tests of cables, these tests could include OTDR testing of Fiber cables and cleanliness checking of Fiber cables, patch panels and other related Accessories for this Project.
- Submit Technical and Financial Proposal Separately in a single envelope.
- Submit commercial proposal with itemized prices of Solution, installation & commissioning charges separately.

### d. Solution Description

The solution is designed with Single mode (OS2) SM E9/125 SMF28e+, Multimode 50 µm MM OM3 Clear Curve to provide a solution that can support:

- Distribution: Department backbone cable to connect with respective data center in parallel with existing network.
- Flexibility: Ability for connectivity for Department Building from nearest Passive Hub or Data Center Directly using the cabling solution.
- Scalability: The solution provided is using high density fiber patch panels with the ability to add more Cables to increase the capacity.
- Modularized: Ability to add single mode Links in any patch panel.
- Performance: SM E9/125 SMF28e+ (OS2, Patch Panels and other related Accessories to support any current and future requirements.

---

Stamp & Signature

**e. Redundancy**

- Bidder needs to make sure redundancy at level up to passive Hub's Passive design will be review and bidder with better and optimal option/s will be consider technically. (Optional).
- Each Passive hub should have at least 30% spare for future expansion.

**f. Solution Requirement**

The details of the structured cabling proposed by the bidder should cover, but not limited to the following:

- Supply of structured fiber cabling, patch panels, and other related Accessories building attachment, labels etc. meeting standards for complete Solution as shared above.
- Structured cabling solution to be built using the star topology where all Main Link Fiber Optic cables are distributed from a central point (Data Center) to Passive Hub (PH).
- In Data Center (DC) the solution proposed should be universal polarized system and highest density per U available as required Core Capable Closet Connector Type with LC Duplex adaptors Patch Panels / ODF, at least 30% Spare Core / Capability required for future expansion.
- Different trigger color code / Tagging Scheme should be suggested for different type of Link for all Fiber Optic cables as compliance to ANSI TIA 606- B Cable Labelling Standards.
- Installation, testing, maintenance and support for all provided components.
- Labeling and Documentation of cable scheme's / cable layout database / detailed cable bundle will be in the bidder's scope of work.
- Project Management and coordination with other active & passive component bidders to meet the overall project deadlines.
- All Training & knowledge should be transferred within 15 days of the successful execution of the project.
- Layout of connectivity for Optic Fiber from Data Center (DC) to Passive Hub (PH) and Departments (Dept.) should be submitted.
- Comprehensive sheet for the number of U's required in each rack for fiber structured cabling solution should be provided.
- Layout/design of equipment placement in racks as per actual should be submitted along with the solution.

**g. Fiber Cabling**

The Infrastructure is based on Backbone connectivity of central Data Center to Department Buildings optical cabling systems specifically designed for the Outside Plant environment.

Must have high density panels with speed, simplicity and a clear migration path to meet future requirements.

The Fiber solution strengthen network in following key areas:

- SM E9/125 SMF28e+ (OS2 of any terrestrial grade single-mode fiber with a maximum attenuation of 0.17 dB/km at 1550 nm.
- Fiber Optic Cable should ROSH Compliance and G652.D LT 2.3 Standard.

- ITU-T G.652.D and G.657.A1-compliant 200 micron single-mode fiber with a 8-9 micron Mode-Field Diameter (MFD), SM E9/125 SMF28e+ (OS2 and enhanced bend performance).
- 50  $\mu$ m MM OM3 ClearCurve.
- Increased asset utilization, with reduced jumper complexity and the elimination of stranded cabling assets.
- Technology adoption due to 100 percent fiber utilization without the need for conversion modules, which leads to cost and loss savings.
- Risk avoidance, providing a simple path to 10G, 40G, even 100G.
- Fiber system must be: Low Smoke (IEC 61034) Zero Halogen (IEC 60754-1), and non-corrosive to IEC 60754-2 (FRNC).
- Fiber inside all the fiber components (Cables, trunks, patch cords, etc.) should be bend-insensitive fiber.
- Patch cords should be LC Duplex with reversing polarity option.
- TIA 569 Standard should be compliant for the distributor spaces and pathways.
- All labelling should be compliant with ANSI-TIA-606-B The Updated Labelling Standard.
- OTDR Test report for Each Core must be submitted after completion of Work (If required).

## **h. Optical Fiber Product**

### **i. SMF-28e+ Optical Fiber**

SMF-28e+ fiber is a comprehensive single-mode fiber for metro and access network, including FTTH and CATV. This standard single mode fiber is ITU-T G.652.D-compliant and fully compatible with legacy single-mode fibers. SMF-28e+ fiber is built on our solid foundation of quality and proven performance.

### **ii. 6.7.2 SMF-28 Ultra Optical Fiber**

SMF-28 Ultra fiber is fully compliant ITU-T G.652.D as well as ITU-T G.657.A1. This full-spectrum fiber has industry leading attenuation and improved macrobend performance and is designed for use in long-haul, metro, access, and FTTH networks. SMF-28 Ultra fiber maintains full backward compatibility with traditional standard single-mode fibers, which means no trade-offs and splice performance that is the same as the installed base of Corning SMF-28e+ fiber.

### **iii. ClearCurve Multimode Optical Fiber**

ClearCurve ultra-bendable, laser-optimized multimode fiber delivers superior macro bending performance and meets the high-bandwidth requirement for today's communications network. It is designed to withstand tight bends with substantially less signal loss in challenging cabling routes. ClearCurve multimode fiber is fully standards compliant and backward compatible with the installed base.

## **i. Design Principles**

### **i. Reliability**

Reliability is crucial for passive network. In the network planning redundant network connections are used to improve the reliability of the network, the entire passive network solution should be designed considering this requirement.

---

Stamp & Signature

ii. **Scalability:** The solution should be scalable.

**j. Design Standards**

All components must comply with industry standards. Standard interfaces should be flexible expansion and interconnect be suitable with external systems.

**k. Quality Assurance**

- All components, unless otherwise stated herein, should carry a manufacturer's warranty of 25 years.
- Principle having at least 2 distributors in Pakistan.
- No aftermarket components will be accepted as an approved equal.
- The contractor will be the primary contact for warranty responsibility for all equipment, material and work furnished and installed under this specification.
- In the presence of owner representative, test-operate all functions of the installation, doing any explanation necessary of the operation and relevant safety features.

**l. Product Availability & Price Lock**

The bidder should describe its access to products and ability to fill a large number of orders, including installation services. IBA would expect successful bidder to maintain stock that can be 'repeat ordered' based on the locked prices.

**m. Smart Hands Service**

The bidder will be expected to quote smart hands service which will enable IBA to seek its service based on the agreed rates per job or per man-day, however it's locked during the commercial negotiations. Bidder has to manage a team, dedicated for IBA based on Project.

**n. Project Implementation**

Bidder should provide a project plan that describes how the bidder intends to implement the project. Specifically, the bidder should provide the following information regarding methodologies and organization:

- Team structure and role
- Project Evaluation (on time installation, customer satisfaction, and issue resolution)
- Transition Plan

**o. Customer Service**

Describe the level of customer service that will be provided, including hours of operation, procedures that will ensure consistency, and problem escalation and resolution. The description should include, but is not limited to:

- Telephone customer service and onsite service organizational structure.
- Contact process (phone, email etc.).
- Follow up process.
- Internal procedures to track customer service contact and resolution.
- Escalation process to resolve outstanding customer service and maintenance issues.
- Remedies for not meeting the committed response time.

---

Stamp & Signature



**p. Compliance Statement**

- Bidder must have vast experience of deploying similar type of network infrastructure.
- Bidder must have registered office in Pakistan.
- The passive cabling brand with strong local, legal presence will be given preference.
- Bidder must be authorized partner of Brand and must not be a distributor.
- Fiber Core must be of Corning, SM E9/125 SMF28e+ (OS2) bends sensitive fiber.
- Corning certificate to confirm supply of Core is to be part of Solution.
- Fiber cords LC should be with option of reverse polarity without swapping cores inside housing or ODF.
- Module design must be supported to Tap out Modules for future up gradation.
- Authorization letter of principal in favour of bidder mentioning /addressing IBA is must.
- Authorization letter of Distributor in favour of bidder mentioning/confirming 20% excess fibre, FOC cable and modules readily available after first installation for next 6 months.
- Preference will be given to principal company having more than 1 local distributors/ stockiest, confirmation will be needed on principal letter head or on their website.
- System performance warranty (25 Years) from Principal on the name of IBA is must after completion of work.
- Factory test report to be furnish along with supply of Fiber Cables.
- OTDR Test report for Each Core must be submit after completion of Work.
- Bidder must submit technical specification sheets and one sample each of the products offered if requested by IBA Team for evaluation.
- Bidder must submit compliance statement clause by clause in Technical submittal.

**q. Next Steps**

Successful bidder may be invited and asked for:

- Technical Deep Dive on Solution: On premises.
- Solution Demonstration: Ideally on premises, but can be virtual.
- Real life implementation demo and visit of same size and scope: Customer technical team will visit for technical evaluation if needed; however, the visit will not be a commitment to award of Job.
- Interaction facilitation with technical and business users of same size and scope: can be on premises, on bidders' premises or virtual (whatever is more convenient for all the parties).

**r. Technical Specifications****i. Passive Components**

Provide and install all-optical network infrastructure segments including:

- Fiber Optic Cable SM & MM
- Fiber Patch Panel (ODF)
- DC Power Supply
- 10G Media Converter

---

Stamp & Signature

**ii. Selected Transmission Performance**

	OM1	OM3	OM4	OS2
Optical Fiber Type	62.5 $\mu$ m Multimode	50 $\mu$ m Multimode	50 $\mu$ m Multimode	Single-Mode
Wavelength (nm)	850/1300	850/1300	850/1300	1310/1550
Maximum Loose Tube Attenuation (dB/km)	3.4/1.0	3.0/1.0	3.0/1.0	0.4/0.3
Maximum Tight-Buffered Cabled Attenuation (dB/km)	2.8/1.0	2.8/1.0*	2.8/1.0*	0.65/0.5
Minimum Overfilled Launch Bandwidth (MHz•km)	200/500	1500/500	3500/500	– / –
Minimum Effective Modal Bandwidth (MHz•km)	2200/–	2000/–	4700/–	– / –

	OM1	OM3	OM4	OS2
1 Gigabit Ethernet Distance (m)	300/550	1000/600	1000/600	5000/–
10 Gigabit Ethernet Distance (m)	33/–	300/–	550/–*	10000/40000
40 Gigabit Ethernet Distance (m)	– / –	100/–	150/–	10000 (40GBASE-LR4)
100 Gigabit Ethernet Distance (m)	– / –	100/–	150/–	10000 (100GBASE-LR4) 40000 (100GBASE-ER4)

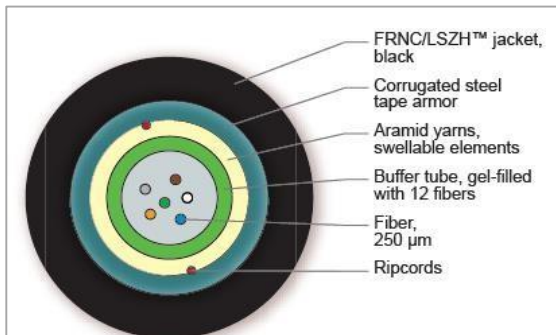
**s. Fiber Optic Cable**

Figure 1: Multimode Fiber Optic Cable

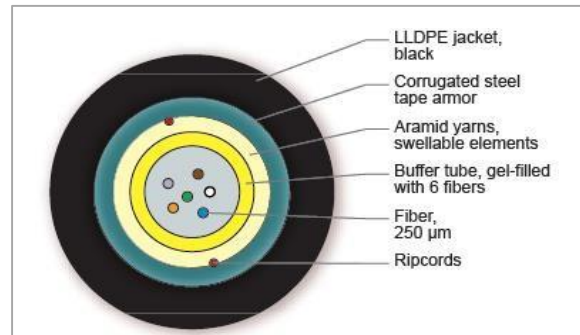


Figure 2: Single mode Fiber Cable



Figure 3: Fiber Patch Panel



Figure 4: Media Converter

Stamp &amp; Signature

**i. Multimode Fiber Optic Cable**

General Specifications	· Environment: <u>Indoor/Outdoor</u>
	· Cable type: <u>Single Tube</u>
	· Product type: <u>Corrugated steel armor</u>
	· Fibre category: <u>50 µm MM (OM3)</u>
	· Flame rating: <u>LSZH™/FRNC</u>
	· Coding EN 60794-1-1 (DIN VDE 0888-100-1): <u>U-DQ(ZN)(SR)H</u>
	· Application: <u>Direct Buried, Duct, Vertical Riser</u>
Standards	· Flame retardant: <u>IEC 60332-1-2</u>
	· Reaction to fire: <u>EN 50575 &amp; EN 13501-6</u>
	· Smoke density: <u>IEC 61034</u>
	· Halogen content: <u>IEC 60754-1</u>
	· Non-corrosive: <u>IEC 60754-2</u>
	· Reaction to fire: <u>CPR (Eca)</u>
	· RoHS: <u>2011/65/EU</u>
Environmental Conditions	· Water blocking: <u>IEC 60794-1-2 F5</u>
	· Temperature range, installation: <u>-5 °C to 50 °C</u>
	· Temperature range, storage: <u>-40 °C to 75 °C</u>
	· Temperature range, operation: <u>-30 °C to 75 °C</u>
Cable Design	· Temperature range, storage: <u>-40 °C to 75 °C</u>
	· Cable marking: <u>Metre - CE 17 EN 50575 Eca</u>
	· Number of ripcords: <u>2</u>
	· Outer jacket colour: <u>Black</u>
	· Outer jacket material: <u>(FRNC/LSZH) I</u>
	· Outer jacket thickness: <u>1.5 mm</u>
	· Tensile strength Layer 1: <u>Aramid yarn</u>
	· Tensile strength Layer 2: <u>Corrugated steel tape armour</u>
	· Buffer tube diameter: <u>3 mm</u>
	· Buffer tube water blocking: <u>Thixotropic gel</u>
Mechanical Specifications	· Fibre colouring: <u>Blue, orange, green, brown, grey, white</u>
	· Crush resistance: <u>2000 N/10 cm</u>
	· Max. tensile strength for installation: <u>1000 N</u>
	· Min. bend radius installation: <u>150 mm</u>
	· Min. bend radius operation: <u>110 mm</u>
Optical Characteristics	· Nominal outer diameter: <u>7.5 mm</u>
	· Fiber Core: <u>Corning, Fujikura</u>
	· Fiber Category: <u>50 µm MM OM3 ClearCurve®</u>
	· Minimum effective modal bandwidth: <u>2000 MHz*km</u>
	· Maximum Attenuation: <u>2.8 dB/km / 1.0 dB/km</u>
	· Min. (OFL) bandwidth: <u>1500 MHz*km / 500 MHz*km</u>
	· Serial 1 gigabit Ethernet: <u>1100 MHz*km / 600 MHz*km</u>
	· Serial 10 gigabit Ethernet: <u>300 MHz*km/ 333 MHz*km</u>
	· Typical attenuation: <u>2.4 dB/km / 0.8 dB/km</u>
	· Wavelengths: <u>850 nm / 1300 nm</u>
	· Induced Attenuation: <u>For 7.5 mm radius &lt; 0.2 db</u>

Stamp &amp; Signature

**ii. Single mode Fiber Optic Cable**

General Specifications	· Environment: <u>Outdoor</u>
	· Cable type: <u>Single Tube</u>
	· Product type: <u>Corrugated steel armor</u>
	· Fibre category: <u>SM E9/125 SMF28e+ (OS2)</u>
	· Coding: <u>EN 60794-1-1 (DIN VDE 0888-100-1)</u>
	· Application: <u>Direct Buried, Duct</u>
Standards	· RoHS: <u>2011/65/EU</u>
	· Water blocking: <u>IEC 60794-1-2 F5</u>
Environmental Conditions	· Temperature range, installation: <u>-5 °C to 50 °C</u>
	· Temperature range, storage: <u>-25 °C to 70 °C</u>
	· Temperature range, operation: <u>-20 °C to 60 °C</u>
Cable Design	· Cable marking: <u>Metre - CE 17 EN 50575 Eca</u>
	· Number of ripcords: <u>2</u>
	· Outer jacket colour: <u>Black</u>
	· Outer jacket material: <u>Linear Low Density Polyethylene</u>
	· Outer jacket thickness: <u>1.5 mm</u>
	· Tensile strength Layer 2: <u>Corrugated steel tape armour</u>
	· Buffer tube diameter: <u>3 mm</u>
	· Fibre colouring: <u>Blue, orange, green, brown, grey, white</u>
Mechanical Specifications	· Crush resistance: <u>2000 N/10 cm</u>
	· Max. tensile strength for installation: <u>1000 N</u>
	· Min. bend radius installation: <u>150 mm</u>
	· Min. bend radius operation: <u>110 mm</u>
	· Nominal outer diameter: <u>7.5 mm</u>
Optical Characteristics	· Fiber Core: <u>Corning, Fujikura</u>
	· Fiber Category: <u>E9 SMF-28e+® ITU G652.D</u>
	· Maximum Attenuation: <u>0.36 dB/km / 0.22 dB/km</u>
	· Serial 1 gigabit Ethernet: <u>5000 m / - / -</u>
	· Serial 10 gigabit Ethernet: <u>10000 m / - / 40000 m</u>
	· Typical attenuation: <u>2.4 dB/km / 0.8 dB/km</u>
	· Wavelengths: <u>1310 nm / 1383 nm / 1550 nm</u>
	· Standards in Compliance: <u>TIA/EIA 492-CAAB IEC 60793-2-50 Type B1.3, ITU-T G.652 D, ISO/IEC 11801 Ed.2.2</u>

**iii. Fiber Patch Panel (ODF)**

Easy Working	· No tools needed
	· Remove top cover
Housing	· Lightweight, but robust
Quick-mount	· Allows single-person mounting of housing
Splice capacity	· Segmentation of fusion splices with splice packs of 12 fibres each or cassettes with 24 fibres each
	· up to 96 fibres in 1U

Stamp &amp; Signature

Adapters	<ul style="list-style-type: none"> <li>· Minimal insertion loss and clean connectors</li> <li>· Ceramic inserts and LC duplex with shutters</li> </ul>
Labelling Options	<ul style="list-style-type: none"> <li>· Port numbering above and below adapter modules</li> </ul>
Cable entry Type	<ul style="list-style-type: none"> <li>· Prepunched circular</li> </ul>
Pigtail	<ul style="list-style-type: none"> <li>· 900 µm TB(Easy Strip) stripped to 250 µm</li> <li>· 2 m long, 0.8 m 900 µm and 1.2 m 250 µm</li> <li>· Telcordia colour</li> </ul>
Access Type	<ul style="list-style-type: none"> <li>· Front, top, rear</li> </ul>
Mounting Type	<ul style="list-style-type: none"> <li>· Rack 19-in</li> </ul>

#### iv. 6.18.6 Media Converter

Media Converter	
Physical Port	<ul style="list-style-type: none"> <li>· port 10G/5G/2.5G/1G/100M Base-T RJ45 interface with IEEE 802.3bt PoE++ injector function</li> <li>· 1 port 10GBase-X SFP+ interface</li> </ul>
Power over Ethernet	<ul style="list-style-type: none"> <li>· Complies with IEEE 802.3bt PoE++ Type-4 PSE</li> <li>· Backward compatible with IEEE 802.3af/at PoE+ standard</li> <li>· Supports PoE Power up to 90 watts for PoE port</li> <li>· DC 55V power over RJ45 Ethernet cable to PD with Ethernet port</li> <li>· Auto-detect IEEE 802.3bt equipment and incorrect installation damage protection</li> <li>· Remote powering of connected PD up to 100m</li> </ul>
Layer 2 Features	<ul style="list-style-type: none"> <li>· IEEE 802.3an/802.3ae Ethernet standard compliant</li> <li>· Supports auto-negotiation and 10Gbps full duplex mode</li> <li>· Prevents packet loss with IEEE 802.3x pause frame flow control (full-duplex)</li> <li>· Automatic address learning and address aging</li> </ul>
Industrial Case and Installation	<ul style="list-style-type: none"> <li>· Slim-type IP30 metal case</li> <li>· DIN rail and wall-mount design</li> <li>· 44~57V DC redundant power with reverse polarity protection</li> <li>· 100 meters over Cat6A at 10Gbps</li> <li>· Plug and Play Installation</li> </ul>
Hardware Specifications	
Copper Interface	<ul style="list-style-type: none"> <li>· 1 x 10G/5G/2.5G/1G/100M Base-T RJ45, Auto-MDI/MDI-X, auto-negotiation</li> </ul>
Fiber Optical Interface	<ul style="list-style-type: none"> <li>· 1 x 10GBase-SR/LR SFP+ interface</li> </ul>
Connector	<ul style="list-style-type: none"> <li>· Removable 6-pin terminal block</li> <li>· Pin 1/2 for Power 1, Pin 3/4 for fault alarm, Pin5/6 for Power 2</li> </ul>
Alarm	<ul style="list-style-type: none"> <li>· Provides one relay output for power failure</li> </ul>
LED	<ul style="list-style-type: none"> <li>· PWR, SYS, Fault Alarm, PoE++ Usage, 10G RJ45 port LNK/ACT</li> <li>· 10G SFP+ port LNK/ACT</li> </ul>
Enclosure	<ul style="list-style-type: none"> <li>· IP30 type metal case</li> </ul>
Installation	<ul style="list-style-type: none"> <li>· DIN-rail and wall mount</li> </ul>

---

 Stamp & Signature

Dimensions (WxDxH)	· 3.03 x 1.48 x 4.21 in (77 x 37.5 x 107mm)
Weight	· 270g
Power Requirements	· 44~57V DC, supports reverse polarity protection
Power Consumption	· System ON without loading: 48V DC: 4.36W · Full loading with PoE++: 48V DC: 98W
<b>Specifications</b>	
Flow Control	· IEEE 802.3x pause frame for full duplex
Fabric	· 20Gbps
Network Cables	· 10G/5G/2.5G/1G/100M Base-T:
	· 10G - Cat 6A/7
	· 5G - Cat 6/6A/7
	· 2.5G/1G - Cat 5e/6/6A/7
	· 100M – Cat 5/5e/6/6A/7
	· Cat 5/5e/6/6A/7 UTP cable (max 100 meters) EIA/TIA-568 100-ohm STP (max 100 meters) 10GBase-LR/SR/BX:
	· 50/125um or 62.5/125um multi-mode fiber optic cable, up to 300m
	· 9/125um single-mode fiber optic cable, up to 80km
<b>Power over Ethernet</b>	
PoE Standard	· IEEE 802.3bt Power over Ethernet Plus Plus (HPoE)
PoE Power Output	· 90W
PoE Power Supply Type	· End-span + Mid-span
Power Pin Assignment	· Mode A End-span: 1/2(-), 3/6(+)
	· Mode B Mid-span: 4/5(+), 7/8(-)
PoE Power Budget	· 90 watts@44~57V DC input
<b>Standards Conformance</b>	
IEEE Standards	· IEEE 802.3u 100Base-T
	· IEEE 802.3ab 1000Base-T
	· IEEE 802.3bz 2.5G/5GBase-T
	· IEEE 802.3an 10GBase-T
	· IEEE 802.3ae 10Gbps Ethernet
	· IEEE 802.3af Power over Ethernet
Regulatory Compliance	· FCC Part 15 Class A
<b>Environment</b>	
Temperature	· Operating: -40°C ~ 65°C   -40°F ~ 149°F
	· Storage: -40°C ~ 85°C   -40°F ~ 185°F
Humidity	· Operating: 5% ~ 95% RH Non-condensing

---

Stamp & Signature

## 7. Bidder Qualification Criteria

Sr. No.	Mandatory Eligibility Criteria	Remarks Yes / No	Required Supporting Documents
1.	Relevant experience in last 3 years.		One Relevant Purchase Order/ Contract of each year
2.	Last 3 years' average annual turnover of 20 million at least		Annual Income Tax Return and Audited financial statement of last three years
3.	Active Income Taxpayer at the time of submission of the bid		NTN, SRB and STRN registration certificates
4.	Active Sales Taxpayer		Copy of Last month's Sales & Service Tax return
5.	Authorized Partnership / Distribution / Reseller / Manufacturing Certificate.		Authorization Certificate / Letter

**Note: Bidder must upload all the Supporting Documents on SPPRA EPADS for evaluation. Any missing documents may affect the bid evaluation.**

\_\_\_\_\_  
Stamp & Signature

## 8. Bill of Quantity

S. No.	Description of Goods	Quoted Model	Quoted Brand	Qty	UoM	Unit Price	Total Price
1	<b>Power Cable 1 PAIR (1:1)</b> Brand: Corning or equivalent			10	Units		
2	<b>Closet Connector Housing (CCH)</b> 2U (F/4 PANELS), SM Loaded Brand: Corning or equivalent			6	Units		
3	<b>Closet Connector Housing (CCH)</b> 2U (F/4 PANELS), MM Loaded Brand: Corning or equivalent			1	Units		
4	<b>Closet Connector Housing (CCH)</b> CCH-CS12-AE-P00RE - CCH SPLC CASS, 12F, LC-D, OS2, SHUTTER, 250UM Brand: Corning or equivalent			24	Units		
5	<b>Fiber Optic Pigtails</b> Multi mode, CCH Pigtailed Splice Cassette, 12 F, LC PC duplex, 50 µm, multimode (OM3), single-fiber (250 µm)- Loaded Brand: Corning or equivalent			4	Units		
6	<b>Power Keystone Adapter</b> Connector Style; 1LAN-D600-CCP2-WH Brand: Corning or equivalent			10	Units		
7	<b>Fiber Optic Patch Cable</b> Single mode, 1 meter, SC to LC Brand: Corning or equivalent			32	Units		
8	<b>Media Converter</b> 10G, 1 PORT, W/O SFP Part # 1 LAN FMC-10G - 5 Pair Brand: Corning or equivalent			2	Units		
9	<b>Distribution Box (Metallic)</b> Pole Box Size 18x18x6 IP66 - Metal with floor stand, complete in all respects, Fixing with Rawal Bolt			2	Units		

---

 Stamp & Signature



S. No.	Description of Goods	Quoted Model	Quoted Brand	Qty	UoM	Unit Price	Total Price
10	<b>Patch Cable</b> Cat6A UTP Patch Cord, 7.5 m Brand: Corning or equivalent			8	Units		
11	<b>UPVC Pipe 1"</b> With fitting accessories Brand: Jeddah or equivalent			1000	Feet		
12	<b>Flexible PVC Pipe 1"</b> Brand: Adamjee or equivalent			270	Feet		
13	<b>Flexible PVC Pipe 2"</b> Brand: Adamjee or equivalent			50	Feet		
14	<b>Flexible PVC Pipe ¾"</b> Brand: Adamjee or equivalent			300	Feet		
15	<b>Flexible G.I. Pipe 1"</b> Brand: Adamjee or equivalent			25	Meter		
16	<b>Label Printer Tape, Yellow</b> Brand: Casio EZ or equivalent			10	Units		
17	<b>Other Accessories for Network Lying of Fiber Optic Cable;</b> Like: Paper Tape (20), Electric Tape (60), Cable Tie (34) Cage nuts (350) Gitti Box, C-Clip 6 mm (06) Screws, Washer, Baylan RJ45 Connectors Box (2), UPVC Joints, UPVC Elbow, saddle, Tagging Ties (10), Ties, Rawal Bolts, etc.			1	Set		
18	<b>Fiber Optic Cable</b> Single mode, 48 Core SM ALTOS loose Steel Armor Outdoor Cable Part # 048ERC-T3122A20 Brand: Corning or equivalent			1500	Meter		
19	<b>Fiber Optic Cable</b> Single mode, 36 Core SM Outdoor Steel Armor SST Central Tube Cable E9 SMF-28e <sup>®</sup> , ITU G6 Brand: Corning or equivalent			350	Meter		

---

Stamp & Signature

S. No.	Description of Goods	Quoted Model	Quoted Brand	Qty	UoM	Unit Price	Total Price
20	<b>Fiber Optic Cable</b> Single mode, 6 Core SM Outdoor Steel Armor SST Central Tube Cable E9 SMF-28e <sup>+</sup> , ITU G6 Part # 006EEC-13122A20 Brand: Corning or equivalent			700	Meter		
21	<b>Fiber Optic Cable</b> Single mode, 12 Core SM Outdoor Steel Armor SST <sup>™</sup> Central Tube Cable E9 SMF-28e <sup>+</sup> , ITU Part # 012EEC-13122A20 Brand: Corning or equivalent			2300	Meter		
22	<b>Fiber Optic Patch Cable</b> Single mode, 3 meters, Fiber Patch Cord SM LC to LC 3m UPC Duplex Part # F040402G2Z20003M Brand: Corning or equivalent			150	Units		
23	<b>Fiber Optic Patch Cable</b> Single mode, 1 meter Fiber Patch Cord SM LC to LC 1m UPC Duplex Brand: Corning or equivalent			150	Units		
24	<b>Optical Distribution Frame (ODF)</b> 8 port desktop Slidable SM ODF duplex LC type coupler and LC type pigtail – loaded			17	Units		
25	<b>Fiber Patch Panel</b> , Single Mode SM OS2 LC 24 Core- Loaded Including Coupler, Pigtails and Splice Part # LAN1-24AE-PGTL-B Brand: Corning or equivalent			12	Units		
26	<b>Fiber Patch Panel</b> , Single Mode 96 Core LC SM OS2 Including Coupler, Pigtails and Splice - Loaded Brand: Corning or equivalent			2	Units		

---

Stamp & Signature

S. No.	Description of Goods	Quoted Model	Quoted Brand	Qty	UoM	Unit Price	Total Price
27	<b>Fiber Optic Pigtails</b> , Single mode LC Type Brand: Corning or equivalent			192	Units		
28	<b>Fiber Coupler</b> , Single mode Duplex, LC Type Brand: Corning or equivalent			96	Units		
29	<b>Metal Box</b> Size: 12" x 10"			8	Units		
30	<b>Fiber Optic Joint Enclosure</b> 72 core, LC-SM - Loaded Brand: Corning or equivalent			3	Units		
31	<b>Fiber Faceplate</b> , Single mode Duplex, LC type Coupler (2 units) & LC type Pigtail (4 units) Brand: Corning or equivalent			20	Units		
32	<b>Cable Manager</b> Plastic, Black, Cable Management Panel, Front 19" 1U Part # XE005315637 Brand: Corning or equivalent			23	Units		
33	<b>Fiber Optic Cable</b> , Multi mode 24 Core OM3 Central Tube Steel Armour Brand: Corning or equivalent			150	Meter		
34	<b>Fiber Patch Panel</b> , Multi mode OM3/OM4, LC 24 Core Including Coupler, Pigtails and Splice Loaded Brand: Corning or equivalent			4	Units		
35	<b>Fiber Optic Patch Cable</b> , Multi mode 1 meter, OM4 LC to LC 1m Duplex Part # F050502Q5Z20001M Brand: Corning or equivalent			10	Units		

---

Stamp & Signature

S. No.	Description of Goods	Quoted Model	Quoted Brand	Qty	UoM	Unit Price	Total Price
36	<b>Core Cutting Work</b> 50 Meter Digging with cements filling, as well as Pavor refixing, complete in all respects			1	Job		
37	<b>Labour Charges for Cable Laying</b> Including above all type of cables Multi and Single modes			1	Job		
38	<b>Fiber Splicing Work</b> 1700 Fusion Splicing			1	Job		
<b>Total</b>							
<b>18% GST (where applicable)</b>							
<b>15% SST (where applicable)</b>							
<b>Grand Total Amount</b>							

**Grand Total Amount Rupees (in words)** \_\_\_\_\_

\_\_\_\_\_  
Stamp & Signature

It is hereby certified that the terms and conditions have been read, agreed upon and signed.

M/s \_\_\_\_\_

Contact Person \_\_\_\_\_

Address \_\_\_\_\_

Tel # \_\_\_\_\_ Fax \_\_\_\_\_

Mobile \_\_\_\_\_ Email \_\_\_\_\_

\_\_\_\_\_  
Stamp & Signature

## 9. General Conditions of Contract

THIS AGREEMENT is executed at KARACHI, on this day \_\_\_\_\_, 2025.

### BETWEEN

**M/s. Institute of Business Administration, Karachi** through its **Registrar**, located at Main Campus, University Enclave, Karachi, hereinafter called and referred to as "IBA" (which expression shall wherever the context so permits, be deemed to include its legal representatives, executors, successors and assigns) of the FIRST PART.

### AND

**M/s. \_\_\_\_\_**, having its office at \_\_\_\_\_, hereinafter referred to as "THE SUPPLIER" (which expression shall wherever the context so permits be deemed to include its legal representatives, executors, successor and assign), through its proprietor **Mr./Ms. \_\_\_\_\_**, holding CNIC No. \_\_\_\_\_ on the SECOND PART.

**WHEREAS** "IBA" intends to obtain a Provide, Supply and Commissioning Optical Fiber Cable with Passive Working vide tender # IT/29/24-25 up to the satisfaction & handing over the material(s) to the "IBA" having accepted the offer in a finished form complete in all respect.

**NOW IT IS HEREBY AGREED & DECLARED BY AND BETWEEN THE PARTIES AS FOLLOWS:**

### WITNESSETH

"IBA" hereby offer to appoint "THE SUPPLIER" as their supplier for the specific purpose of "Supply of Optical Fiber Cable with Passive Working". "THE SUPPLIER" hereby agree to the offer of the "IBA" in acceptance of the terms & conditions herein below forth.

### Article I

#### DUTIES & SCOPE OF SUPPLY & SERVICES

- 1.1 This service includes, the "Provide, Supply, Install & Support Optical Fiber Cable with Passive Working", discussions with "IBA" before the determination of scope of services with any/all other relevant details for presentation to "IBA".
- 1.2 "THE SERVICE PROVIDER" agrees to provide any/all kind of Services(s) & Work(s) of 'Provide, Supply, Install & Support Optical Fiber Cable with Passive Working' to "IBA" whenever and wherever form is required as per the terms & conditions of this Agreement.
- 1.3 "THE SERVICE PROVIDER" will coordinate their work with Manager IT, of the "IBA" who will assist "THE SERVICE PROVIDER" in supervision of proposed 'Provide, Supply, Install & Support Optical Fiber Cable with Passive Working'.

\_\_\_\_\_  
Stamp & Signature

- 1.4 "THE SERVICE PROVIDER" hereby agrees to accept variation, if occurred, in scope of professional services and works with mutual consent on acceptable cost/price/charges/amount inclusive of all taxes and levies.
- 1.5 "THE SERVICE PROVIDER" will visit the Purchase Office located at Main Campus, University Enclave, University Road, Karachi as & when required with prior appointment.
- 1.6 All logistic charges will be borne by "THE SERVICE PROVIDER".
- 1.7 The SERVICE PROVIDER shall be responsible to provide hardware support with parts.
- 1.8 Support from the Senior Hardware Engineers shall be available from the SERVICE PROVIDER in solving and troubleshooting the problems if IBA Karachi needs any guidelines.
- 1.9 If the problem is not solved within agreed timeframe according to the severity level, thereafter, the SERVICE PROVIDER shall provide a backup unit.
- 1.10 The SERVICE PROVIDER shall be bound to monitor the maintenance and repair work and furnish complete report to IBA authorities as per Service Level Agreement on monthly basis or according to the requirement of the IBA authorities.
- 1.11 Maintenance contract shall be with parts (without consumable parts), services and labor.
- 1.12 Service of all the equipment shall be carried out. Service plan shall be discussed with IBA authorities before its execution. Plan provided by IBA authorities.
- 1.13 All faulty parts of are covered under this agreement replace with OEM/COMPATIBLE parts.
- 1.14 No dispute rises regarding the replacement of faulty parts from SERVICE PROVIDER except consumable (Accessories are compatible with 3 months warranty) items under this agreement.
- 1.15 THE SERVICE PROVIDER must provide backup units of same or superseded specifications if the original equipment requires repair. If SERVICE PROVIDER fails to do so, a penalty @ 2% of total contract amount per day, until backup unit is delivered to IBA, or original unit is returned to IBA after performing required maintenance / replacement on the part or machine.
- 1.16 All equipment to be covered under this Service Level Agreement shall be inspected by the SERVICE PROVIDER, before signing this agreement, to ensure that operating conditions of the equipment are duly fulfilled.

## **Article II**

### **SCOPE OF PROFESSIONAL SERVICES**

- 2.1 "THE SERVICE PROVIDER" will 'Provide, Supply, Install & Support Optical Fiber Cable with Passive Working' at IBA Main Campus, University Enclave, University Road, Karachi.
- 2.2 "THE SERVICE PROVIDER" hereby agree and acknowledge for the periodic supervision of the supplies and to check the execution of Network Switches in accordance with the description & specification.
- 2.3 "THE SERVICE PROVIDER" hereby agree and acknowledge the acceptance of attending the meetings with the Head of Procurement "IBA" as & when required.
- 2.4 "THE SERVICE PROVIDER" hereby agrees to accept variation, if occurred, in scope of professional services and works with mutual consent on acceptable cost/price/charges/amount inclusive of all taxes and levies.

---

Stamp & Signature

- 2.5 All staff must have CNIC and clearly mentioned to discourage work through child labor.
- 2.6 "THE SERVICE PROVIDER" accepts full responsibility and strict liability for making any false declaration/statement, not making full disclosure, misrepresenting facts or taking any action likely to degrade the purpose of declaration, representation and warranty.
- 2.7 This Agreement shall be effective from XXXX XX 2025 till the completion of warranties and support after the delivery of required items as per Bill of Quantity.

## **Article II**

### **PAYMENT**

- 2.8 Payment for complete delivered supplies shall be made within 30 working days.
- 2.9 Payment for services shall be made within 30 working days of project completion.
- 2.10 All payments are subject to submission of a commercial invoice..

## **Article III**

### **WARRANTY**

- 3.1 Comprehensive onsite OEM warranty with parts and labor.

## **Article IV**

### **REMUNERATION**

- 4.1 The cost offered by the SUPPLIER is Rs. \_\_\_\_\_ (inclusive of all taxes) Provide, Supply and Commissioning Optical Fiber Cable with Passive Working vide tender # IT/29/24-25 variation may occur. The cost is inclusive of labour/transportation/supplies/taxes/levies/customs duties etc.
- 4.2 Liquidity damages at the rate of 2% per month, of the total agreed-on payment as per the Letter of Acceptance or Purchase Order, of the total cost, will be imposed in case of delayed delivery services. Services will be deemed completed in finished form as per specification and "THE SUPPLIER" have to deliver the required number of Provide, Supply and Commissioning Optical Fiber Cable with Passive Working to IBA.
- 4.3 Performance Security 5% of the total amount of the Letter of Acceptance will be provided by "THE SUPPLIER".
- 4.4 Stamp Duty @ 0.35% of the cost of the Letter of Acceptance will be deposited in the Government treasury by the SUPPLIER. This paid Stamp Duty challan would be submitted along with the Bill / Invoice.
- 4.5 Tax(es)/Challan(s)/Levy(ies)/Custom Duties etc, if any or additional will be paid/borne by THE SUPPLIER as per SRO/Notification.

\_\_\_\_\_  
Stamp & Signature



**Article V**  
**ARBITRATION**

- 5.1 In case of any dispute, difference, or question which may at any time arise between the parties hereto or any person under them, arising out of or in respect of this Letter of Intent or the subject matter hereof, the same shall be referred to and finally resolved by arbitration under the Arbitration Act, 1940, as amended from time to time. The arbitration shall be administered in accordance with the rules and procedures of the Alternative Dispute Resolution International Center (ADR-IC) at the Institute of Business Administration (IBA), Karachi.

**Article VI**  
**TERMINATION**

- 6.1 "IBA" may terminate this agreement if the job is not executed according to the requirement at any time after issuing a 15 days notice.

**Article VII**  
**INDEMNITY**

- 7.1 "THE SUPPLIER" in its individual capacity shall indemnify and keep IBA and any person claiming through IBA fully indemnified and harmless from and against all damages, costs and expenses caused to or incurred by "THE SUPPLIER", as a result of any defect in the title of IBA or any fault, neglect or omission by the "THE SUPPLIER" which disturbs or damage the reputation, quality or the standard of services provided by "IBA" and any person claiming through the IBA.

**Article VIII**  
**NOTICE**

- 8.1 Any notice given under this AGREEMENT shall be sufficient if it is in writing and if sent by courier or registered mail.

**Article IX**  
**SEVERABILITY**

- 9.1 If any terms covenant or condition of this agreement shall be deemed invalid or unenforceable in a court of law or equity, the remainder of this agreement shall be valid & enforced to the fullest extent permitted by prevailing law.

**Article X**  
**INTEGRITY PACT**

- 10.1 The intention not to obtain the procurement/work of any Contract, right, interest, privilege, or other obligation or benefit from the IBA or any administrative or financial offices thereof or any other department under the control of the IBA through any corrupt practice(s).

---

Stamp & Signature

- 10.2 Without limiting the generality of forgoing the M/s. \_\_\_\_\_ represents and warrants that it has fully declared the charges, fees, commission, taxes, levies etc, paid or payable to anyone and not given or agreed to give and shall not give or agree to give to anyone within the IBA directly or indirectly through any means any commission, gratification, bribe, gifts, kickback whether described as consultation fee or otherwise, with the object of obtaining or including the procurement or service contract or order or other obligations whatsoever from the IBA, except that which has been expressly declared pursuant hereto.
- 10.3 M/s. \_\_\_\_\_ accepts full responsibility and strict liability for making any false declaration/statement, not making full disclosure, misrepresenting facts or taking any action likely to degrade the purpose of the declaration, representation and warranty. It agrees that any contract/order obtained aforesaid shall without prejudice to any other right & remedies available to the IBA under any law, contract, or other instruments, stand void at the discretion of the IBA.
- 10.4 Notwithstanding any right and remedies exercised by the IBA in this regard, M/s. \_\_\_\_\_ agrees to indemnify the IBA for any loss or damage incurred by it on account of its corrupt business practice & further pay compensation to the IBA in any amount equivalent to the loss of any commission, gratification, bribe, gifts, kickback given by the M/s. \_\_\_\_\_, as aforesaid to obtain or induce procurement/work/ or other obligation or benefit in whatsoever from the IBA.

#### **Article XI**

#### **MISCELLANEOUS**

- 11.1 The terms and conditions of the AGREEMENT have been read over to the parties which they admit to be correct and abide by the same.
- 11.2 The validity of the contract will be effective from the date of issue of the Letter of Acceptance.
- 11.3 All terms and conditions of tender vide # IT/29/24-25 will be an integral part of this agreement.

IN WITNESS WHEREOF both the parties hereto have set & subscribed their respective hands to this agreement at Karachi on the date as mentioned above.

\_\_\_\_\_  
Stamp & Signature