

STANDARD BIDDING DOCUMENT

Procurement of Information Technology Products and Services

Single-Stage One Envelope Bidding Procedure Under National Competitive Bidding (NCB)

Federal Board of Revenue, Islamabad

July, 2022

PREFACE

This Bidding Document for Procurement of Information Technology Products and Services has been prepared by the Federal Board of Revenue, Islamabad, and is based on the Standard Bidding Document for the Procurement of Goods issued by the Pakistan Engineering Council, dated July 2010.

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**INVITATION
FOR
BIDS (IFB)**

INVITATION FOR BIDS (IFB)
SBD NO. 1(95)SS(IT)/2022

FOR HIRING OF THE FOLLOWING:

- **DATA CONNECTIVITY SERVICES (MPLS WAN)**
FOR FBR FIELD OFFICES
- **DARK FIBER BETWEEN FBR HQ & PRAL 1-9**
- **P2P LINK BETWEEN FBR (HQ) & NADRA**
- **PUBLIC IP POOLS**

The Federal Board of Revenue (FBR) invites bids from experienced and reputable firms having valid registration with tax and other relevant authorities. The firms submitting their bids must appear on the Active Taxpayers List issued by Federal Board of Revenue, Government of Pakistan.

2. The eligible bidders may download the Bidding Document from FBR Website www.fbr.gov.pk/tenders and PPRA Website https://www.ppra.org.pk/dad_tenders.asp. However, eligible bidders opting to download the Bidding Documents **must inform FBR** on the email mentioned below failing which FBR shall not be responsible if the bidder does not receive clarifications and amendments, if any. In case of any discrepancy between the downloaded document and hard copy, the latter shall prevail.

3. Bids, prepared in accordance with the instructions provided in the bidding documents, must reach at the following address on or before **22-08-2022** at 1100 Hrs. Bids will be opened on the same day at 1130 Hrs. in presence of the authorized representatives of the bidders. In case the day of bid submission and opening falls on a public holiday, the next working day shall be considered as the deadline for the same.

Contact information:

Sardar Omer Sharif
Secretary (IT)

Room No. 573, FBR House, Constitution Avenue, G 5/2, Islamabad.

Phone: 051-9209046

Email: **secretaryit@fbr.gov.pk**

**INSTRUCTIONS
TO
BIDDERS (ITB)**

INSTRUCTIONS TO BIDDERS

(Note: These Instructions to Bidders along with Bidding Data will not be part of the Contract and will cease to have effect once the Contract is signed.)

A. GENERAL

ITB.1 Scope of Bid

- 1.1 The Purchaser as defined in the Bidding Data hereinafter called “the Purchaser” wishes to receive bids for the supply of Engineering Goods as described in these Bidding Documents, and summarised in the Bidding Data hereinafter referred to as the “Goods”.
- 1.2 The successful Bidder will be expected to supply the Goods within the time specified in the Bidding Documents.
- 1.3 All Goods to be supplied under the Contract shall have as their country of origin an eligible country as per Appendix-A to Bid.
- 1.4 For purposes of this Clause, the term “Goods” includes commodities, raw material, machinery, equipment, and industrial plants.
- 1.5 The term “country of origin” means the country where the goods have been mined, grown, cultivated, produced, manufactured, or processed; or through manufacture, processing, or assembly, another commercially recognized article results that differs substantially in its basic characteristics from its imported components.
- 1.6 The nationality of the firm that produces, assembles, distributes, or sells the goods shall not determine their origin.
- 1.7 The bidding is open to National/International Competitive Bidding as indicated in the Bidding Data.

ITB.2 Source of Funds

- 2.1 The Purchaser has applied for/received a loan/credit from the source (s) indicated in the Bidding Data in various currencies towards the cost of the project specified in the Bidding Data and it is intended that part of the proceeds of this loan/credit will be applied to eligible payments under the Contract for which these Bidding Documents are issued.

ITB.3 Eligible Bidders

- 3.1 This Invitation for Bids is open to all Bidders meeting the following requirements:
 - a. A Bidder having the nationality of an eligible country in accordance with Appendix A to Bid.

- b. Duly prequalified / enlisted with the Purchaser.

ITB.4 One Bid per Bidder

- 4.1 Each Bidder shall submit only one bid either by himself, or as a partner in a joint venture. A Bidder who submits or participates in more than one bid (other than alternatives pursuant to Clause IB.20) will be disqualified.

ITB.5 Cost of Bidding

- 5.1 The Bidders shall bear all costs associated with the preparation and submission of their respective bids and the Purchaser will in no case be responsible or liable for those costs, regardless of the conduct or outcome of the bidding process.

ITB.6 Site Visit

- 6.1 The Bidders are advised to visit and inspect the Location of Delivery and its surroundings and obtain for themselves on their own responsibility all information that may be necessary for preparing the bid and entering into a Contract for Supply of Goods. All cost in this respect shall be at the bidder's own expense.
- 6.2 The Bidders and any of their personnel or agents will be granted permission by the Purchaser to enter upon his premises and lands for the purpose of such inspection, but only upon the express condition that the Bidders, their personnel and agents, will release and indemnify the Purchaser, his personnel and agents from and against all liability in respect thereof and will be responsible for death or personal injury, loss of or damage to property and any other loss, damage, costs and expenses incurred as a result of such inspection.

B. BIDDING DOCUMENTS

ITB.7 Contents of Bidding Documents

- 7.1 The Bidding Documents, in addition to Invitation for Bids, are those stated below and should be read in conjunction with any Addenda issued in accordance with Clause IB.9.
1. Instructions to Bidders
 2. Bidding Data
 3. Form of Bid and Appendices to Bid
 4. Schedules to Bid
 - (i) Schedule A: Price Schedule for Goods to be offered from within the Purchaser's country
 - (ii) Schedule B: Price Schedule for Goods to be offered from outside the Purchaser's country
 - (iii) Schedule C: Manufacturer's Authorization
 - (iv) Schedule D: List of Goods
 - (v) Schedule E: Delivery and Completion Schedule
 - (vi) Schedule F: Inspection and Tests to be carried out
 5. General Conditions of Contract (GCC), Part-I

6. Particular Conditions of Contract (PCC), Part-II
 7. Standard Forms
 - (i) Form of Bid Security
 - (ii) Form of Performance Security
 - (iii) Form of Contract Agreement
 - (iv) Form of Advance Payment Security
 8. Specifications.....Special & Technical Provisions
 9. Drawings
- 7.2 The bidders are expected to examine carefully the contents of all the above documents. Failure to comply with the requirements of bid submission will be at the Bidder's own risk. Pursuant to Clause IB.30, bids which are not substantially responsive to the requirements of the Bidding Documents will be rejected.

ITB.8 Clarification of Bidding Documents

- 8.1 Any prospective Bidder requiring any clarification (s) in respect of the Bidding Documents may notify the Purchaser in writing at the Purchaser's address indicated in the Invitation for Bids. The Purchaser will respond to any request for clarification which he receives earlier than the time, stated in the Bidding Data, prior to the deadline for submission of bids. Copies of the Purchaser's response will be forwarded to all purchasers of the Bidding Documents, including a description of the enquiry but without identifying its source.

ITB.9 Amendment of Bidding Documents

- 9.1 At any time prior to the deadline for submission of bids, the Purchaser may, for any reason, whether at his own initiative or in response to a clarification requested by a prospective Bidder, modify the Bidding Documents by issuing addendum.
- 9.2 Any addendum thus issued shall be part of the Bidding Documents pursuant to Sub-Clause 7.1 hereof and shall be communicated in writing to all purchasers of the Bidding Documents. Prospective Bidders shall acknowledge receipt of each addendum in writing to the Purchaser.
- 9.3 To afford prospective Bidders reasonable time in which to take an addendum into account in preparing their bids, the Purchaser may extend the deadline for submission of bids in accordance with Clause IB.24

C. PREPARATION OF BIDS

IBT.10 Language of Bid

- 10.1 The bid as well as all correspondence and documents related to the bid exchanged by a bidder and the Purchaser shall be in the bid language stipulated in the Bidding Data and Particular Conditions of Contract. Supporting documents and printed literature furnished by the Bidders may be in any other language provided the same are accompanied by an accurate translation of the relevant parts in the bid language, in

which case, for purposes of evaluation of the bid, the translation in bid language shall prevail.

ITB.11 Documents Comprising the Bid

11.1 Each Bidder shall:

- (a) submit a written power of attorney authorizing the signatory of the bid to act for and on behalf of the Bidder;
- (b) update the information indicated and listed in the Bidding Data and previously submitted with the prequalification documents which as a minimum, would include the following application for prequalification, and continue to meet the minimum criteria set out in the:
 - (i) Evidence of access to financial resources alongwith average annual turnover;
 - (ii) Financial predictions for the current year and the two following years including the effect of known commitments;
 - (iii) Supply commitments since prequalification;
 - (iv) Current litigation information; and
 - (v) Availability of critical equipment.
and
- (c) furnish a technical proposal taking into account the various Appendices to Bid specially the following:

Appendix-C to Bid	Method of Assuring Quality of Goods
Appendix-D to Bid	List of Quality Control/Laboratory Equipment
Appendix-E to Bid	List of Manufacturers / Subcontractors

and other pertinent information such as mobilization programme (under Appendix C to Bid) etc;

11.2 Bids submitted by a joint venture of two (2) or more firms shall comply with the following requirements:

- (a) the bid and in case of a successful bid, the Form of Contract Agreement shall be signed so as to be legally binding on all partners;
- (b) one of the joint venture partners shall be nominated as being in charge; and this authorization shall be evidenced by submitting a power of attorney signed by legally authorized signatories of all the joint venture partners;
- (c) the partner-in-charge shall always be duly authorized to deal with the Purchaser regarding all matters related with and/or incidental to the supply of Goods as per the terms and Conditions of Contract and in this regard to incur any and all

- liabilities, receive instructions, give binding undertakings and receive payments on behalf of the joint venture;
- (d) all partners of the joint venture shall at all times and under all circumstances be liable jointly and severally for the execution of the Contract in accordance with the Contract terms and a statement to this effect shall be included in the authorization mentioned under Sub-Para (b) above as well as in the Form of Bid and in the Form of Contract Agreement (in case of a successful bid); and
 - (e) a copy of the agreement entered into by the joint venture partners shall be submitted with the bid stating the conditions under which it will function, its period of duration, the persons authorized to represent and obligate it and which persons will be directly responsible for due performance of the Contract and can give valid receipts on behalf of the joint venture, the proportionate participation of the several firms forming the joint venture, and any other information necessary to permit a full appraisal of its functioning. No amendments / modifications whatsoever in the joint venture agreement shall be agreed to between the joint venture partner without prior written consent of the Purchaser.

11.3 Bidders shall also submit proposals of supply and transportation methods and schedule, in sufficient detail to demonstrate the adequacy of the Bidders' proposals to meet the technical specifications and the completion time referred to in Sub-Clause 1.2 hereof.

ITB.12 Bid Prices

- 12.1 The Bidder shall submit the Form of Bid using the form attached herewith. This form must be completed without any alterations to its format, and no substitutes shall be accepted. All blank spaces shall be filled in with the information requested.
- 12.2 The Bidder shall submit the Price Schedules for Goods, according to their origin as appropriate, using the forms furnished in Appendices to Bid along with Manufacturer,s Authorization (on the format provided) in case the Bidder is not himself the manufacturer
- 12.3 Unless stated otherwise in the Bidding Documents(in Lots under Schedule D to Bid), the Contract shall be for the whole of the Goods as described in Sub-Clause 1.1 hereof, based on the unit rates and/or prices submitted by the bidder.
- 12.4 The Bidders shall fill in rates and prices for all items of the Goods described in the Price Schedules. Items against which no rate or price is entered by a bidder will not be paid for by the Purchaser when delivered and shall be deemed covered by rates and prices for other items in the Price Schedules.
- 12.5 All duties, taxes and other levies payable by the Contractor under the Contract, or for any other cause, as on the date 28 days prior to the deadline for submission of bids shall be included in the rates and prices and the total Bid Price submitted by a Bidder.
Additional/reduced duties, taxes and levies due to subsequent additions or changes in legislation shall be dealt as per Clause 17 of the General Conditions of Contract.
- 12.6 The rates and prices quoted by the Bidders are subject to adjustment during the performance of the Contract in accordance with the provisions of Clause 15 of

the General Conditions of Contract. The Bidders shall furnish the prescribed information for the price adjustment formulae if required under Sub-Clause 15.2 of General Conditions of Contract, and shall submit with their bids such other supporting information as required under the said Clause.

ITB.13 Currencies of Bid and Payment

- 13.1 The unit rates and the prices shall be quoted by the Bidder entirely in Pak rupees. A Bidder expecting to incur expenditures in other currencies for Goods supplied from outside the Purchaser's country (referred to as the "Foreign Currency Requirements") shall indicate the same in Appendix-B to Bid. The proportion of the Bid Price (excluding Provisional Sums) needed by him for the payment of such Foreign Currency Requirements either (i) entirely in the currency of the Bidder's home country or, (ii) at the Bidder's option, entirely in Pak rupees provided always that a Bidder expecting to incur expenditures in a currency or currencies other than those stated in (i) and (ii) above for a portion of the foreign currency requirements, and wishing to be paid accordingly, shall indicate the respective portions in his bid.
- 13.2 The rates of exchange to be used by the Bidder for currency conversion shall be the TT&OD Selling Rates published or authorized by the State Bank of Pakistan prevailing on the date 28 days prior to the deadline for submission of bids. For the purpose of payments, the exchange rates used in bid preparation shall apply for the duration of the Contract.

ITB.14 Documents Establishing the Eligibility of the Bidder

To establish their eligibility in accordance with ITB 4, Bidders shall:

- (a) Provide the eligibility documents as per ITB Clause 3; and
- (b) If the Bidder is an existing or intended JV in accordance with ITB 4.1 and 11.2, submit a copy of the JV Agreement, or a letter of intent to enter into such an Agreement. The respective document shall be signed by all legally authorized signatories of all the parties to the existing or intended JV, as appropriate.

ITB.15 Documents Establishing the Eligibility of the Goods

- 15.1 To establish the eligibility of the Goods in accordance with ITB Clause 1-3, Bidders shall complete the country of origin declarations in the Price Schedule Forms, & Appendices to Bid.

ITB.16 Documents Establishing the Conformity of the Goods to the Bidding Document

- 16.1 To establish the conformity of the Goods to the Bidding Document, the Bidder shall furnish as part of its Bid the documentary evidence that the Goods and be supplied conform to the specified requirements.

- 16.1 The documentary evidence may be in the form of literature, drawings or data, and shall consist of a detailed item-by-item description of the essential technical and performance characteristics of the Goods.
- 16.2 Standards for workmanship, process, material, and equipment, as well as references to brand names or catalogue numbers specified by the Purchaser in the Delivery and Completion Schedule , are intended to be descriptive only and not restrictive. The Bidder may offer other standards of quality, brand names, and/or catalogue numbers, provided that it demonstrates, to the Purchaser's satisfaction, that the substitutions ensure substantial equivalence or are superior to those specified in Delivery and Completion Schedule of Supply.

ITB.17 Documents Establishing the Qualification of the Bidder

- 17.1 The documentary evidence of the Bidder's qualifications to perform the contract, if its bid is accepted, shall establish to the Purchaser's satisfaction that the Bidder meets each of the qualification criterion specified in Bidding Documents.
- 17.2 If so required in the Bidding Data, a Bidder that does not manufacture or produce the Goods it offers to supply shall submit the Manufacturer's Authorization using the appended form to demonstrate that it has been duly authorized by the manufacturer or producer of the Goods to supply these Goods in the Purchaser's country.
- 17.3 If so required in the Bidding Data, a Bidder that does not conduct business within the Purchaser's Country shall submit evidence that it will be represented by an Agent in the country equipped and able to carry out the Supplier's maintenance, repair and spare parts-stocking obligations prescribed in the Conditions of Contract and/or Technical Specifications.

ITB.18 Bid Validity

- 18.1 Bids shall remain valid for the period stipulated in the Bidding Data after the Date of Bid Opening specified in Clause IB.27.
- 18.2 In exceptional circumstances, prior to expiry of the original bid validity period, the Purchaser may request that the Bidders extend the period of validity for a specified additional period which shall in no case be more than the original bid validity period. The request and the responses thereto shall be made in writing. A Bidder may refuse the request without forfeiting his Bid Security. A Bidder agreeing to the request will not be required or permitted to modify his bid, but will be required to extend the validity of his Bid Security for the period of the extension, and in compliance with Clause IB.19 in all respects.

ITB.19 Bid Security

- 19.1 Each Bidder shall furnish, as part of his bid, a Bid Security in the amount stipulated in the Bidding Data in Pak Rupees or an equivalent amount in a freely convertible currency.

- 19.2 The Bid Security shall be, at the option of the Bidder, in the form of Deposit at Call or a Bank Guarantee issued by a Scheduled Bank in Pakistan or from a foreign bank duly counter guaranteed by a Scheduled Bank in Pakistan or an insurance company having atleast AA rating from PACRA/JCR in favour of the Purchaser valid for a period 28 days beyond the Bid Validity date.
- 19.3 Any bid not accompanied by an acceptable Bid Security shall be rejected by the Purchaser as non-responsive.
- 19.4 The bid securities of unsuccessful Bidders will be returned as promptly as possible, but not later than 28 days after the expiration of the period of Bid Validity.
- 19.5 The Bid Security of the successful Bidder will be returned when the Bidder has furnished the required Performance Security and signed the Contract Agreement.
- 19.6 The Bid Security may be forfeited:
- (a) if the Bidder withdraws his bid except as provided in Sub-Clause 26.1;
 - (b) if the Bidder does not accept the correction of his Bid Price pursuant to Sub-Clause 31.2 hereof; or
 - (c) In the case of successful Bidder, if he fails within the specified time limit to:
 - (i) furnish the required Performance Security; or
 - (ii) sign the Contract Agreement.

ITB.20 Alternate Proposals by Bidder

- 20.1 Should any Bidder consider that he can offer any advantages to the Purchaser by a modification to the designs, specifications or other conditions, he may, in addition to his bid to be submitted in strict compliance with the Bidding Documents, submit any Alternate Proposal(s) containing (a) relevant design calculations; (b) technical specifications; (c) proposed manufacturing methodology; and (d) any other relevant details / conditions, provided always that the total sum entered on the Form of Bid shall be that which represents complete compliance with the Bidding Documents.
- 20.2 Alternate Proposal(s), if any, of the lowest evaluated responsive Bidder only may be considered by the Purchaser as the basis for the award of Contract to such Bidder.

ITB.21 Pre-Bid Meeting

- 21.1 The Purchaser may, on his own motion or at the request of any prospective Bidder(s), hold a pre-bid meeting to clarify issues and to answer any questions on matters related to the Bidding Documents. The date, time and venue of pre-

bid meeting, if convened, is as stipulated in the Bidding Data. All prospective Bidders or their authorized representatives shall be invited to attend such a pre-bid meeting.

- 21.2 The Bidders are requested to submit questions, if any, in writing so as to reach the Purchaser not later than seven (7) days before the proposed pre-bid meeting.
- 21.3 Minutes of the pre-bid meeting, including the text of the questions raised and the replies given, will be transmitted without delay to all purchasers of the Bidding Documents. Any modification of the Bidding Documents listed in Sub-Clause 7.1 hereof which may become necessary as a result of the pre-bid meeting shall be made by the Purchaser exclusively through the issue of an Addendum pursuant to Clause IB.9 and not through the minutes of the pre-bid meeting.
- 21.4 Absence at the pre-bid meeting will not be a cause for disqualification of a Bidder.

ITB.22 Format and Signing of Bid

- 22.1 Bidders are particularly directed that the amount entered on the Form of Bid shall be for performing the Contract strictly in accordance with the Bidding Documents.
- 22.2 All Appendices and Schedules to Bid are to be properly completed and signed.
- 22.3 No alteration is to be made in the Form of Bid nor in the Appendices and Schedules thereto except in filling up the blanks as directed. If any such alterations be made or if these instructions be not fully complied with, the bid may be rejected.
- 22.4 Each Bidder shall prepare by filling out the forms completely and without alterations one (1) original and number of copies, specified in the Bidding Data, of the documents comprising the bid as described in Clause IB.7 and clearly mark them “ORIGINAL” and “COPY” as appropriate. In the event of discrepancy between them, the original shall prevail.
- 22.5 The original and all copies of the bid shall be typed or written in indelible ink (in the case of copies, Photostats are also acceptable) and shall be signed by a person or persons duly authorized to sign on behalf of the Bidder pursuant to Sub-Clauses 11.1(a) and 11.2 hereof. All pages of the bid shall be initialled and stamped by the person or persons signing the bid.
- 22.6 The bid shall contain no alterations, omissions or additions, except to comply with instructions issued by the Purchaser, or as are necessary to correct errors made by the Bidder, in which case such corrections shall be initialled by the person or persons signing the bid.

22.7 Bidders shall indicate in the space provided in the Form of Bid their full and proper addresses at which notices may be legally served on them and to which all correspondence in connection with their bids and the Contract is to be sent.

22.8 Bidders should retain a copy of the Bidding Documents as their file copy.

D. SUBMISSION OF BIDS

ITB.23 Sealing and Marking of Bids

23.1 Each Bidder shall submit his bid as under:

- (a) ORIGINAL and each copy of the Bid shall be separately sealed and put in separate envelopes and marked as such.
- (b) The envelopes containing the ORIGINAL and copies will be put in one sealed envelope and addressed/identified as given in Sub- Clause 23.2 hereof.

23.2 The inner and outer envelopes shall:

- (a) be addressed to the Purchaser at the address provided in the Bidding Data;
- (b) bear the name and identification number of the Contract as defined in the Bidding Data; and
- (c) provide a warning not to open before the time and date for bid opening, as specified in the Bidding Data.

23.3 In addition to the identification required in Sub- Clause 23.2 hereof, the inner envelope shall indicate the name and address of the Bidder to enable the bid to be returned unopened in case it is declared “late” pursuant to Clause IB.25

23.4 If the outer envelope is not sealed and marked as above, the Purchaser will assume no responsibility for the misplacement or premature opening of the Bid.

ITB.24 Deadline for Submission of Bids

24.1 (a) Bids must be received by the Purchaser at the address specified no later than the time and date stipulated in the Bidding Data.

(b) Bids with charges payable will not be accepted, nor will arrangements be undertaken to collect the bids from any delivery point other than that specified above. Bidders shall bear all expenses incurred in the preparation and delivery of bids. No claims will be entertained for refund of such expenses.

(c) Where delivery of a bid is by mail and the Bidder wishes to receive an acknowledgment of receipt of such bid, he shall make a request for such acknowledgment in a separate letter attached to but not included in the sealed bid package.

(d) Upon request, acknowledgment of receipt of bids will be provided to those making delivery in person or by messenger.

- 24.2 The Purchaser may, at his discretion, extend the deadline for submission of bids by issuing an amendment in accordance with Clause IB.9, in which case all rights and obligations of the Purchaser and the Bidders previously subject to the original deadline will thereafter be subject to the deadline as extended.

ITB.25 Late Bids

- 25.1 (a) Any bid received by the Purchaser after the deadline for submission of bids prescribed in Clause IB.24 will be returned unopened to such bidder.
- (b) Delays in the mail, delays of person in transit, or delivery of a bid to the wrong office shall not be accepted as an excuse for failure to deliver a bid at the proper place and time. It shall be the Bidder's responsibility to determine the manner in which timely delivery of his bid will be accomplished either in person, by messenger or by mail.

ITB.26 Modification, Substitution and Withdrawal of Bids

- 26.1 Any Bidder may modify, substitute or withdraw his bid after bid submission provided that the modification, substitution or written notice of withdrawal is received by the Purchaser prior to the deadline for submission of bids.
- 26.2 The modification, substitution, or notice for withdrawal of any bid shall be prepared, sealed, marked and delivered in accordance with the provisions of Clause IB.23 with the outer and inner envelopes additionally marked "MODIFICATION", "SUBSTITUTION" or "WITHDRAWAL" as appropriate.
- 26.3 No bid may be modified by a Bidder after the deadline for submission of bids except in accordance with Sub-Clauses 26.1 and 31.2.
- 26.4 Withdrawal of a bid during the interval between the deadline for submission of bids and the expiration of the period of bid validity specified in the Form of Bid may result in forfeiture of the Bid Security in pursuance to Clause IB.19.

E. BID OPENING AND EVALUATION

ITB.27 Bid Opening

- 27.1 The Purchaser will open the bids, including withdrawals, substitution and modifications made pursuant to Clause IB.26, in the presence of Bidders' representatives who choose to attend, at the time, date and location stipulated in the Bidding Data. The Bidders' representatives who are present shall sign a register evidencing their attendance.
- 27.2 Envelopes marked "MODIFICATION", "SUBSTITUTION" or "WITHDRAWAL" shall be opened and read out first. Bids for which an

acceptable notice of withdrawal has been submitted pursuant to Clause IB.26 shall not be opened.

- 27.3 The Bidder's name, total Bid Price and price of any Alternate Proposal(s), any discounts, bid modifications, substitution and withdrawals, the presence or absence of Bid Security, and such other details as the Purchaser may consider appropriate, will be announced by the Purchaser at the opening of bids.
- 27.4 Purchaser shall prepare minutes of the bid opening, including the information disclosed to those present in accordance with the Sub-Clause 27.3.

ITB.28 Process to be Confidential

- 28.1 Information relating to the examination, clarification, evaluation and comparison of bid and recommendations for the award of a Contract shall not be disclosed to Bidders or any other person not officially concerned with such process before the announcement of bid evaluation report which shall be done at least ten (10) days prior to issue of Letter of Acceptance. The announcement to all Bidders will include table(s) comprising read out prices, discounted prices, price adjustments made, final evaluated prices and recommendations against all the bids evaluated. Any effort by a Bidder to influence the Purchaser's processing of bids or award decisions may result in the rejection of such Bidder's bid. Whereas any Bidder feeling aggrieved may lodge a written complaint not later than fifteen (15) days after the announcement of the bid evaluation report; however mere fact of lodging a complaint shall not warrant suspension of the procurement process.

ITB.29 Clarification of Bids

- 29.1 To assist in the examination, evaluation and comparison of bids, the Purchaser may, at his discretion, ask any Bidder for clarification of his bid, including breakdowns of unit rates. The request for clarification and the response shall be in writing but no change in the price or substance of the bid shall be sought, offered or permitted except as required to confirm the correction of arithmetic errors discovered by the Purchaser in the evaluation of the bids in accordance with Clause IB.32.

ITB.30 Examination of Bids and Determination of Responsiveness

- 30.1 Prior to the detailed evaluation of bids, the Purchaser will determine whether each bid is substantially responsive to the requirements of the Bidding Documents.
- 30.2 A substantially responsive bid is one which (i) meets the eligibility criteria; (ii) has been properly signed; (iii) is accompanied by the required Bid Security; and (iv) conforms to all the terms, conditions and specifications of the Bidding Documents, without material deviation or reservation. A material deviation or reservation is one (i) which affect in any substantial way the scope, quality or performance of the Goods; (ii) which limits in any substantial way, inconsistent with the Bidding Documents, the Purchaser's rights or the Bidder's obligations

under the Contract; or (iii) adoption/rectification whereof would affect unfairly the competitive position of other Bidders presenting substantially responsive bids.

- 30.3 If a bid is not substantially responsive, it will be rejected by the Purchaser, and may not subsequently be made responsive by correction or withdrawal of the non-conforming deviation or reservation.

ITB.31 Correction of Errors

- 31.1 Bids determined to be substantially responsive will be checked by the Purchaser for any arithmetic errors. Errors will be corrected by the Purchaser as follows:
- (a) where there is a discrepancy between the amounts in figures and in words, the amount in words will govern; and
 - (b) where there is a discrepancy between the unit rate and the line item total resulting from multiplying the unit rate by the quantity, the unit rate as quoted will govern, unless in the opinion of the Purchaser there is an obviously gross misplacement of the decimal point in the unit rate, in which case the line item total as quoted will govern and the unit rate will be corrected.
- 31.2 The amount stated in the Form of Bid will be adjusted by the Purchaser in accordance with the above procedure for the correction of errors and with the concurrence of the Bidder, shall be considered as binding upon the Bidder. If the Bidder does not accept the corrected Bid Price, his Bid will be rejected, and the Bid Security shall be forfeited in accordance with Sub-Clause 19.6(b) hereof.

ITB.32 Evaluation and Comparison of Bids

- 32.1 The Purchaser will evaluate and compare only the Bids determined to be substantially responsive in accordance with Clause IB.30.
- 32.2 In evaluating the Bids, the Purchaser will determine for each Bid the evaluated Bid Price by adjusting the Bid Price as follows:
- (a) making any correction for errors pursuant to Clause IB.31;
 - (b) excluding Provisional Sums and the provision, if any, for contingencies; and
 - (c) making an appropriate adjustment for any other acceptable variation or deviation from specification or performance criteria
- 32.3 The estimated effect of the price adjustment provisions of the Conditions of Contract, applied over the period of execution of the Contract, shall not be taken into account in Bid evaluation.
- 32.4 If the Bid of the successful Bidder is seriously unbalanced in relation to the Purchaser's estimate of the cost of Goods to be delivered under the Contract,

the Purchaser may require the Bidder to produce detailed price analyses for any or all items of the Price Schedules to demonstrate the internal consistency of those prices with the manufacturing methodology and schedule proposed. After evaluation of the price analyses, the Purchaser may require that the amount of the Performance Security set forth in Clause IB.37 be increased at the expense of the successful Bidder to a level sufficient to protect the Purchaser against financial loss in the event of default of the successful bidder under the Contract.

ITB.33 Post Qualification of the Bidder

- 33.1 The Purchaser shall determine to its satisfaction whether the Bidder that is selected as having submitted the lowest evaluated and substantially responsive Bid is qualified to perform the Contract satisfactorily.
- 33.2 The determination shall be based upon an examination of the documentary evidence of the Bidder's qualifications submitted by the Bidder.
- 33.3 An affirmative determination shall be a prerequisite for award of the Contract to the Bidder. A negative determination shall result in disqualification of the Bid, in which event the Purchaser shall proceed to the next lowest evaluated bid to make a similar determination of that Bidder's capabilities to perform satisfactorily.

F. AWARD OF CONTRACT

ITB.34 Award

- 34.1 Subject to Clauses IB.35 and IB.39, the Purchaser will award the Contract to the Bidder whose bid has been determined to be substantially responsive to the Bidding Documents and who has offered the lowest evaluated Bid Price, provided that such Bidder has been determined to be eligible in accordance with the provisions of Clause IB.3 and qualify pursuant to Sub-Clause IB 33.2.
- 34.2 The Purchaser, at any stage of the bid evaluation, having credible reasons for or *prima facie* evidence of any defect in supplier's or contractor's capacities, may require the suppliers or contractors to provide information concerning their professional, technical, financial, legal or managerial competence whether already pre-qualified or not:

Provided that such qualification shall only be laid down after recording reasons therefor in writing. They shall form part of the records of that bid evaluation report.

ITB.35 Purchaser's Right to Accept any Bid and to Reject any or all Bids

- 35.1 Notwithstanding Clause IB.34, the Purchaser reserves the right to accept or reject any Bid, and to annul the bidding process and reject all bids, at any time prior to award of Contract, without thereby incurring any liability to the affected Bidders or any obligation except that the grounds for rejection of all bids shall upon request be communicated to any Bidder who submitted a bid, without justification of grounds. Rejection of all bids shall be notified to all Bidders promptly.
- 35.2 At the time the Contract is awarded, the Purchaser reserves the right to increase or decrease the quantity of Goods originally specified in Delivery and Completion Schedules, provided this does not exceed the percentages indicated in the Bidding Data, and without any change in the unit prices or other terms and conditions of the Bid and the Bidding Document.

ITB.36 Notification of Award

- 36.1 Prior to expiration of the period of bid validity prescribed by the Purchaser, the Purchaser will notify the successful Bidder in writing ("Letter of Acceptance") that his Bid has been accepted. This letter shall name the sum which the Purchaser will pay the Contractor in consideration of the delivery of Goods by the Contractor as prescribed by the Contract (hereinafter and in the Conditions of Contract called the "Contract Price").
- 36.2 No Negotiation with the Bidder having evaluated as lowest responsive or any other Bidder shall be permitted, however, Purchaser may seek clarification in writing to clarify any item in the bid evaluation report; and response of the Bidder shall also be in writing.
- 36.3 The notification of award and its acceptance by the Bidder will constitute the formation of the Contract, binding the Purchaser and the Bidder till signing of the formal Contract Agreement.
- 36.3 Upon furnishing by the successful Bidder of a Performance Security, the Purchaser will promptly notify the other Bidders that their Bids have been unsuccessful and return their bid securities.

ITB.37 Performance Security

- 37.1 The successful Bidder shall furnish to the Purchaser a Performance Security in the form and the amount stipulated in the Bidding Data and the Conditions of Contract within a period of 28 days after the receipt of Letter of Acceptance.
- 37.2 Failure of the successful Bidder to comply with the requirements of Sub-Clause IB.37.1 or Clauses IB.38 or IB.40 shall constitute sufficient grounds for the annulment of the award and forfeiture of the Bid Security.

ITB.38 Signing of Contract Agreement

- 38.1 Within 14 days from the date of furnishing of acceptable Performance Security under the Conditions of Contract, the Purchaser will send the successful Bidder

the Contract Agreement in the form provided in the Bidding Documents, incorporating all agreements between the parties.

- 38.2 The formal Agreement between the Purchaser and the successful Bidder shall be executed within 14 days of the receipt of the Contract Agreement by the successful Bidder from the Purchaser.

ITB.39 General Performance of the Bidders

The Purchaser reserves the right to obtain information regarding performance of the bidders on their previously awarded contracts. The Purchaser may in case of consistent poor performance of any Bidder as reported by the purchasers of the previously awarded contracts, inter alia, reject his bid and proceed in accordance with Rule 19 of the Public Procurement Rules 2004 to take such action as may be deemed appropriate under the circumstances of the case including black listing of such Bidder and debarring him from participation in future bidding for supply of Goods.

ITB.40 Integrity Pact

The Bidder shall sign and stamp the Integrity Pact provided at Appendix-G to Bid in the Bidding Documents for all Federal Government procurement contracts exceeding Rupees ten million. Failure to provide such Integrity Pact shall make the bidder non-responsive.

ITB.41 Instructions not Part of Contract

Bids shall be prepared and submitted in accordance with these Instructions which are provided to assist Bidders in preparing their bids, and do not constitute part of the Bid or the Contract Documents.

ITB.42 Margin of Preference

Unless otherwise specified in the Bidding Data, no margin of preference shall apply. [Domestic Preference shall be applicable in case of International Competitive Bidding as per policy of the government, in accordance with the procedure given in the Bidding Data.]

BID DATA SHEET (BDS)

Bid Data Sheet

Instructions to Bidders

Clause Reference

- 1.1 Name and address of the Purchaser
IT Wing, FBR, Islamabad
- 1.7 The bidding is open to **National Competitive Bidding (NCB) under Single Stage One Envelop Bidding procedure**
- 2.1 Source of Funding: **Federal Board of Revenue, Government of Pakistan**
- 8.1 Time limit for clarification:
14 days
- 10.1 Bid language:
English
- 11.1 (b) Prequalification Information to be updated:
Lowest Price Technically Acceptable (LPTA) Evaluation through Post Qualification will be carried out.
- 11.1(c) Furnish Technical Bid:
The bidder to submit a technical bid in sufficient detail to demonstrate the adequacy of the bid meeting requirements for timely delivery of Goods.
- 13.1 Currencies of Bid and Payment:
Bidders to quote entirely in Pak. rupees
- 18.1 Period of Bid Validity: **180 days**
- 19.1 Amount of Bid Security: **2% of the Bid Price in the form of demand draft/pay order from a scheduled bank in favor of DDO, FBR**
- 21 Prebid meeting:
A pre-bid meeting shall be convened on 4th August, 2022, 11: 30am at FBR (HQ)
- 22.4 Number of copies of the Bid to be completed and returned:
One original and two copies & a soft copy in a USB
- 23.2(a) Purchaser's address for the purpose of Bid submission
Attention: **Secretary IT;**
Street address: **FBR House, Constitution Ave, G-5,**
Floor/Room number: **573**
City: **Islamabad; ZIP code: 44000; Country: Pakistan.**

Telephone: +92 (51) 9209046

Fax: +92 (51) 9211888

E-mail: secretaryit@fbr.gov.pk

Web page: www.fbr.gov.pk

24.1(a) Deadline for submission of bids:

Date: 22.8.2022

Time: 11 A.M.

27.1 Venue, time, and date of Bid opening:

Date: 22.8.2022

Opening Time: 11.30 A.M.

Venue: Federal Board of Revenue (HQ)

Constitution Ave, G5/2 Islamabad

32 **Evaluation Criteria:**

The Purchaser's evaluation of responsive Bids will consider the following technical factors:

The Qualification Criteria shall be **Lowest Price Technically Acceptable (LPTA)** wherein the bidder has to pass the Mandatory Firm Qualification Criteria and Technical Compliance of all the product features of the intended equipment during the Technical Evaluation.

Owing to the critical nature of all the product features, particular product features have been given the Mandatory status and the remaining product features are subject to their compliance Client's requirements with a maximum variation of **10%** which shall not affect the functionality of the equipment.

35.2 Percentage increase or decrease may be upto: **15% or higher as prescribed**

37.1 Standard form and amount of Performance Security acceptable to the Purchaser:
Performance Security (Bank Guarantee) unconditional equal to 10 percent of the Contract Price

SECTION-3

Evaluation Criteria

Technical Evaluation

3.0 Technical Criteria (ITB 31 and ITB 32)

The Purchaser's evaluation of responsive Bids will take into account the following technical factors, in addition to cost factors as specified in Section 3 (Evaluation and Qualification Criteria):

The Product & Firm Qualification Criteria are based on **Lowest Price Technically Acceptable (LPTA)** Evaluation wherein the bidder has to pass the Mandatory Firm Qualification Criteria and Technical Compliance during the Technical evaluation.

Owing to the critical nature of all the product features, particular product features have been given the Mandatory status with a maximum variation of 10% which does not affect the functional performance of the equipment.

Qualification Criteria

The Qualification Criteria is **Lowest Price Technically Acceptable (LPTA)** based on *Mandatory Firm Qualification Criteria and Technical Compliance Based Methodology along with Lowest Price Bid.*

**FORM OF BID
AND
APPENDICES TO BID**

Form of Bid

Date: _____

Bid Reference No. _____
(Name of Contract)

To:

Gentleman,

We, the undersigned, declare that:

- (a) We have examined and have no reservations to the Bidding Document, including Addenda No.: _____;
- (b) We offer to supply in conformity with the Bidding Document and in accordance with the Delivery and Completion Schedule, the following Goods _____;
_____;
- (c) The total price of our Bid, excluding any discounts offered in item (d) below is: _____;
_____;
- (d) The discounts offered and the methodology for their application are: _____

_____;
- (e) Our Bid shall be valid for a period of _____ days from the date fixed for the bid submission deadline in accordance with the Bidding Document, and it shall remain binding upon us and may be accepted at any time before the expiration of that period;
- (f) If our Bid is accepted, we commit to obtain a Performance Security in the amount of _____ percent of the Contract Price for the due performance of the Contract;

- (g) Our firm, including any subcontractors or suppliers for any part of the Contract, have nationalities from the following eligible countries _____;
- (h) We are not participating, as Bidders, in more than one Bid in this bidding process, other than alternative offers in accordance with the Bidding Document;
- (i) Our firm, its affiliates or subsidiaries, including any subcontractors or suppliers for any part of the Contract, has not been declared ineligible by the Purchaser;
- (j) The following commissions, gratuities, or fees have been paid or are to be paid with respect to the bidding process or execution of the Contract:

Name of Recipient	Address	Reason	Amount
_____	_____	_____	_____
_____	_____	_____	_____

(If none has been paid or is to be paid, indicate "none.")

- (k) We understand that this Bid, together with your written acceptance thereof included in your notification of award, shall constitute a binding contract between us, until a formal Contract is prepared and executed.
- (l) We understand that you are not bound to accept the lowest evaluated bid or any other bid that you may receive.
- (m) We agree to permit the Purchaser or its representative to inspect our accounts and records and other documents relating to the bid submission and to have them audited by auditors appointed by the Bank.

Name _____

In the capacity of _____

Signed _____

Duly authorized to sign the Bid for and on behalf of _____

Date _____

Witness:

Name: _____

Signature: _____

Address: _____

Occupation: _____

Appendix-A to Bid

NAME OF ELIGIBLE COUNTRIES

All countries EXCEPT INDIA & ISRAEL.

Appendix-B To Bid

FOREIGN CURRENCY REQUIREMENTS (NOT APPLICABLE)

1. The Bidder may indicate here in below his requirements of foreign currency (if any),
with reference to various Goods.
2. Foreign Currency Requirement as percentage of the Bid Price excluding Provisional Sums _____% IF APPLICABLE.
3. Table of Exchange Rates

Unit of Currency	Equivalent in Pak. Rupees
Australian Dollar	-----
Euro	-----
Japanese Yen	-----
U.K. Pound	-----
U.S. Dollars	-----
-----	-----
-----	-----

Appendix-C to Bid

LIST OF MANUFACTURERS / VENDORS

I/We intend to supply Goods from the following manufactures or engage the following subcontractors for supply of Goods. In my/our opinion, the manufacturers/ subcontractors named hereunder are reliable and competent to supply of Goods for which each is listed.

Enclosed are documentation outlining experience of manufacturers/subcontractors, the curriculum vitae and experience of their key personnel who will be assigned to the Contract, Goods to be supplied or transportation to be done, size, location and type of contracts performed in the past.

Description of Goods (Give Details)	Manufacturers/Vendors (With Complete Address)
1	2

Note:

In case, the Bidder is itself either manufacturer or transporter or both, the above table should be filled and requisite documentation be submitted accordingly.

(INTEGRITY PACT)

**DECLARATION OF FEES, COMMISSION AND BROKERAGE ETC.
PAYABLE BY THE SUPPLIERS OF GOODS, SERVICES & WORKS IN
CONTRACTS WORTH RS. 10.00 MILLION OR MORE**

Contract No. _____ Dated _____
Contract Value: *[To be filled in at the time of signing of Contract]*
Contract Title: _____

..... [name of Supplier] hereby declares that it has not obtained or induced the procurement of any contract, right, interest, privilege or other obligation or benefit from Government of Pakistan (GoP) or any administrative subdivision or agency thereof or any other entity owned or controlled by GoP through any corrupt business practice.

Without limiting the generality of the foregoing, [name of Supplier] represents and warrants that it has fully declared the brokerage, commission, fees etc. paid or payable to anyone and not given or agreed to give and shall not give or agree to give to anyone within or outside Pakistan either directly or indirectly through any natural or juridical person, including its affiliate, agent, associate, broker, consultant, director, promoter, shareholder, sponsor or subsidiary, any commission, gratification, bribe, finder's fee or kickback, whether described as consultation fee or otherwise, with the object of obtaining or inducing the procurement of a contract, right, interest, privilege or other obligation or benefit in whatsoever form from GoP, except that which has been expressly declared pursuant hereto.

[name of Supplier] certifies that it has made and will make full disclosure of all agreements and arrangements with all persons in respect of or related to the transaction with GoP and has not taken any action or will not take any action to circumvent the above declaration, representation or warranty.

[name of Supplier] accepts full responsibility and strict liability for making any false declaration, not making full disclosure, misrepresenting facts or taking any action likely to defeat the purpose of this declaration, representation and warranty. It agrees that any contract, right, interest, privilege or other obligation or benefit obtained or procured as aforesaid shall, without prejudice to any other rights and remedies available to GoP under any law, contract or other instrument, be voidable at the option of GoP.

Notwithstanding any rights and remedies exercised by GoP in this regard, [name of Supplier] agrees to indemnify GoP for any loss or damage incurred by it on account of its corrupt business practices and further pay compensation to GoP in an amount equivalent to ten times the sum of any commission, gratification, bribe, finder's fee or kickback given by [name of Supplier] as aforesaid for the purpose of obtaining or inducing the procurement of any contract, right, interest, privilege or other obligation or benefit in whatsoever form from GoP.

Name of Buyer:
Signature:

[Seal]

Name of Seller/Supplier:
Signature:

[Seal]

SCHEDULES TO BID

Price Schedule for Goods to be offered from within the Purchaser's country

FOR DATA CONNECTIVITY SERVICES (MPLS WAN):

Bidders are required to submit their price schedules as per following format.

Three Year Total Cost Summary

Line Item	Description	Cost for 3 Year (Pkr)
Solution/Equipment – provide the itemized cost for the following		
1.	Supply of Equipment and related Cost (hardware) for MPLS including, Rack, UPS, Isolation Transformer (3 years)	
2.	MPLS Services and related Cost 3 years	
3.	Operation, Maintenance and support cost – 3 years	
GRAND TOTAL		

Total amount in Words: _____.

*Responsibility to include all and correct taxes is that of the bidders.

DARK FIBER BETWEEN FBR DATA CENTER AND PRAL Hqrs I-9

Bidders are required to submit their price schedules as per following format.

Three Year Total Cost Summary

Line Item	Description	Cost for 3 Year
Solution/links– provide the itemized cost for the following		
1.	Hiring of Dark Fiber Connectivity Services 3 years	PKR
2.	Operation, Maintenance and support cost – 3 Years	PKR
GRAND TOTAL		PKR

Total amount in Words: _____.

*Responsibility to include all and correct taxes is that of the bidders.

PUBLIC IP POOLS

Bidders are required to submit their price schedules as per following format.

Three-Year Total Cost Summary

Line Item	Description	Cost for 3 Year
Solution/links– provide the itemized cost for the following		
1.	Renewal of 256 Public IP addresses for Islamabad Data Centre Site-A	PKR
2.	2nd IP Pool of 256 Public IP addresses for Islamabad Data Centre Site-A	PKR
3.	Two separate IP Pool of 256 Public IP addresses for Islamabad Data Center Site –B	PKR
4.	Two separate IP Pool of 256 Public IP addresses for Karachi Data Center.	PKR
GRAND TOTAL		PKR

Total amount in Words: _____.

*Responsibility to include all and correct taxes is that of the bidders.

Name _____

In the capacity of _____

Signed _____

Duly authorized to sign the Bid for and on behalf of _____

Date _____

LOT 11/2022 DATA CONNECTIVITY SERVICES (MPLS WAN):

The bidders should quote Bandwidth slab rates as per the table given below in case of enhancement of bandwidth to the next slab. For clarity, please note that in case of enhancement of bandwidth, the monthly rate of the next bandwidth slab would become applicable:

S #	Bandwidth allocation	Monthly cost (tax inclusive)
1.	2 Mbps	600/month for example
2.	4 Mbps	800/month
3.	6 Mbps	1000/month
4.	8 Mbps	
5.	10 Mbps	
6.	12 Mbps	
7.	16 Mbps	
8.	20 Mbps	
9.	30 Mbps	
10.	40 Mbps	
11.	50 Mbps	
12.	60 Mbps	
13.	70 Mbps	
14.	80 Mbps	
15.	90 Mbps	
16.	100 Mbps	
17.	120 Mbps	
18.	150 Mbps	
19.	160 Mbs	
20.	170 Mbs	
21.	180 Mbps	
22.	190 Mbps	
23.	200 Mbps	
24.	250 Mbps	

Each site should have the capacity to upgrade the bandwidth as per the table above without changing the hardware.

Bandwidth requirement according to number of sites:

Sr.No	Bandwidth Slabs	Total Number of Sites
1	2 Mbps	143
2	4 Mbps	46
3	6 Mbps	25
4	8 Mbps	16
5	10 Mbps	15

6	12 Mbps	6
7	16 Mbps	8
8	20 Mbps	4
9	24 Mbps	1
10	50 Mbps	1
11	100 Mbps	1
12	150 Mbps	3
	Total	269

Notes:	
Column 5 and 6 :	Currency in accordance with ITB Clause 13
Column 6:	Only to be used if the Purchaser wishes to reserve transportation and insurance to domestic companies or other designated sources. Identification of the lowest evaluated bid must be on the basis of the DDP.

Date _____

Manufacturer's Authorization

Date: _____

Bid Reference No.: _____

Invitation for Bid No.: _____

To: _____

WHEREAS _____ who are official manufacturers of _____ having factories at _____ do hereby authorize _____ to submit a Bid in relation to the Invitation for Bids indicated above, the purpose of which is to provide the following Goods, manufactured by us _____ and to subsequently negotiate and sign the Contract.

We hereby extend our full guarantee and warranty in accordance with Clause 28 of the General Conditions of Contract, with respect to the Goods offered by the above firm in reply to this Invitation for Bids

Name _____

In the capacity of: _____

Signed _____

Duly authorized to sign the Authorization for and on behalf of _____

Date _____

List of IT Goods to be supplied

[Separate tables shall be used only in case of procurement of very large quantities, required to be split in lots for multiple Contracts, keeping in view capacity of Supplier's against the Goods supply. The evaluation of Bids shall, therefore, be done lot wise. However the award is made on least cost combination to the Purchaser.

In case of quantities manageable by a single supplier through a single Contract, only one table shall be used without referring to any lot.]

Delivery and Completion Schedule

[In case of multiple contacts; refer to instructions note in Schedule-D; separate table shall be used for each lot.]

The delivery and deployment timeline from the date of issuance of PO for all lots is as following:

Lot Number	Description	Deployment (weeks)
11/2022	DATA CONNECTIVITY SERVICES (MPLS WAN) FOR FBR FIELD OFFICES	10-12
12/2022	DARK FIBER BETWEEN FBR HQ & PRAL 1-9	4-6
13/2022	P2P LINK BETWEEN FBR (HQ) & NADRA	4-6
14/2022	Public IP Pools	4-6

Inspection and Tests to be carried out

[Purchaser shall list down the Inspection and Tests to be carried out]

STANDARD FORMS

**BID SECURITY
PERFORMANCE SECURITY
CONTRACT AGREEMENT
ADVANCE PAYMENT SECURITY**

FORM OF BID SECURITY
(Bank Guarantee)

Security Executed on _____
(Date)

Name of Surety (Bank) with Address: _____
(Scheduled Bank in Pakistan)

Name of Principal (Bidder) with Address _____

Penal Sum of Security Rupees . _____ (Rs. _____)

Bid Reference No. _____

KNOW ALL MEN BY THESE PRESENTS, that in pursuance of the terms of the Bid and at the request of the said Principal (Bidder) we, the Surety above named, are held and firmly bound unto _____

(hereinafter called the 'Purchaser') in the sum stated above for the payment of which sum well and truly to be made, we bind ourselves, our heirs, executors, administrators and successors, jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION IS SUCH, that whereas the Bidder has submitted the accompanying Bid dated _____ for Bid No. _____ for _____ (Particulars of Bid) to the said Purchaser; and

WHEREAS, the Purchaser has required as a condition for considering said Bid that the Bidder furnishes a Bid Security in the above said sum from a Scheduled Bank in Pakistan or from a foreign bank duly counter-guaranteed by a Scheduled Bank in Pakistan, to the Purchaser, conditioned as under:

- (1) that the Bid Security shall remain in force up to and including the date 28 days after the deadline for validity of bids as stated in the Instructions to Bidders or as it may be extended by the Purchaser, notice of which extension(s) to the Surety is hereby waived;
- (2) that the Bid Security of unsuccessful Bidders will be returned by the Purchaser after expiry of its validity or upon signing of the Contract Agreement; and
- (3) that in the event of failure of the successful Bidder to execute the proposed Contract Agreement and furnish the required Performance Security, the entire said sum be paid immediately to the said Purchaser pursuant to Clause 19.6 of the Instruction to Bidders for the successful Bidder's failure to perform.

NOW THEREFORE, if the successful Bidder shall, within the period specified therefor, on the prescribed form presented to him for signature enter into a formal Contract with the said Purchaser in accordance with his Bid as accepted and furnish within twenty eight (28) days of his being requested to do so, a Performance Security with good and sufficient surety, as may be required, upon the form prescribed by the said Purchaser for the faithful performance and proper fulfilment of the said Contract or in the event of non-withdrawal of the said Bid within the time specified for its validity then this obligation shall be void and of no effect, but otherwise to remain in full force and effect.

PROVIDED THAT the Surety shall forthwith pay the Purchaser the said sum upon first written demand of the Purchaser (without cavil or argument) and without requiring the Purchaser to prove or to show grounds or reasons for such demand, notice of which shall be sent by the Purchaser by registered post duly addressed to the Surety at its address given above.

PROVIDED ALSO THAT the Purchaser shall be the sole and final judge for deciding whether the Principal (Bidder) has duly performed his obligations to sign the Contract Agreement and to furnish the requisite Performance Security within the time stated above, or has defaulted in fulfilling said requirements and the Surety shall pay without objection the said sum upon demand from the Purchaser forthwith and without any reference to the Principal (Bidder) or any other person.

IN WITNESS WHEREOF, the above bounden Surety has executed the instrument under its seal on the date indicated above, the name and seal of the Surety being hereto affixed and these presents duly signed by its undersigned representative pursuant to authority of its governing body.

WITNESS:

1. _____

Corporate Secretary (Seal)

2. _____

Name, Title & Address

SURETY (Bank)

Signature _____

Name _____

Title _____

Corporate Guarantor (Seal)

FORM OF PERFORMANCE SECURITY
(Bank Guarantee)

Guarantee No. _____

Executed on _____

Expiry date _____

[Letter by the Guarantor to the Purchaser]

Name of Guarantor (Bank) with address: _____
(Scheduled Bank in Pakistan)

Name of Principal (Supplier/Contractor) with
address: _____

Penal Sum of Security (express in words and figures) _____

Letter of Acceptance No. _____ Dated _____

KNOW ALL MEN BY THESE PRESENTS, that in pursuance of the terms of the Bidding Documents and above said Letter of Acceptance (hereinafter called the Documents) and at the request of the said Principal we, the Guarantor above named, are held and firmly bound unto the _____ (hereinafter called the Purchaser) in the penal sum of the amount stated above for the payment of which sum well and truly to be made to the said Purchaser, we bind ourselves, our heirs, executors, administrators and successors, jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION IS SUCH, that whereas the Principal has accepted the Purchaser's above said Letter of Acceptance for _____
_____ (Name of Contract) for the _____
_____ (Name of Project).

NOW THEREFORE, if the Principal (Supplier/Contractor) shall well and truly perform and fulfill all the undertakings, covenants, terms and conditions of the said Documents during the original terms of the said Documents and any extensions thereof that may be granted by the Purchaser, with or without notice to the Guarantor, which notice is, hereby, waived and shall also well and truly perform and fulfill all the undertakings, covenants terms and conditions of the Contract and of any and all modifications of said Documents that may hereafter be made, notice of which modifications to the Guarantor being hereby waived, then, this obligation to be void; otherwise to remain in full force and virtue till all requirements of Clause 28, Warrenty, of Conditions of Contract are fulfilled.

Our total liability under this Guarantee is limited to the sum stated above and it is a condition of any liability attaching to us under this Guarantee that the claim for payment in writing shall be received by us within the validity period of this Guarantee, failing which we shall be discharged of our liability, if any, under this Guarantee.

We, _____ (the Guarantor), waiving all objections and defences under the Contract, do hereby irrevocably and independently guarantee to pay to the Purchaser without delay upon the Purchaser's first written demand without cavil or arguments and without requiring the Purchaser to prove or to show grounds or reasons for such demand any sum or sums up to the amount stated above, against the Purchaser's written declaration that the Principal has refused or failed to perform the obligations under the Contract which payment will be effected by the Guarantor to Purchaser's designated Bank & Account Number.

PROVIDED ALSO THAT the Purchaser shall be the sole and final judge for deciding whether the Principal (Contractor) has duly performed his obligations under the Contract or has defaulted in fulfilling said obligations and the Guarantor shall pay without objection any sum or sums up to the amount stated above upon first written demand from the Purchaser forthwith and without any reference to the Principal or any other person.

IN WITNESS WHEREOF, the above-bounden Guarantor has executed this Instrument under its seal on the date indicated above, the name and corporate seal of the Guarantor being hereto affixed and these presents duly signed by its undersigned representative, pursuant to authority of its governing body.

Guarantor (Bank)

Witness:

1. _____

Signature _____

Corporate Secretary (Seal)

Name _____

Title _____

2. _____

Name, Title & Address

Corporate Guarantor (Seal)

FORM OF CONTRACT AGREEMENT

THIS AGREEMENT made on the _____ day of _____, 20____, between _____ of _____ (hereinafter “the Purchaser”), of the one part, and _____ of _____ (hereinafter called “the Supplier”), of the other part:

WHEREAS the Purchaser invited bids for certain Goods viz., _____ and has accepted a Bid by the Supplier for the supply of those Goods in the sum of _____ (hereinafter called “the Contract Price”).

NOW THIS AGREEMENT WITNESSETH AS FOLLOWS:

1. In this Agreement words and expressions shall have the same meanings as are respectively assigned to them in the Conditions of Contract hereinafter referred to.
2. The following documents shall be deemed to form and be read and construed as part of this Agreement, viz.:
 - (a) the Purchaser’s Notification to the Supplier of Award of Contract (Letter of Acceptance);
 - (b) the Form of Bid and the Price Schedules submitted by the Supplier;
 - (c) the Particular Conditions of Contract; Part-II
 - (d) the General Conditions of Contract; Part-I
 - (e) the Schedule to Bid (other than Price Schedule);
 - (f) Appendices to Bid;
 - (g) Specifications;
 - (h) Drawings; and
 - (i) Any other Item

This Contract shall prevail over all other Contract documents. In the event of any discrepancy or inconsistency within the Contract documents, then the documents shall prevail in the order listed above.

3. In consideration of the payments to be made by the Purchaser to the Supplier as indicated in this Agreement, the Supplier hereby covenants with the Purchaser to provide the Goods and to remedy defects therein in conformity in all respects with the provisions of the Contract.
4. The Purchaser hereby covenants to pay the Supplier in consideration of the provision of the Goods and the remedying of defects therein, the Contract Price or such other sum as may become payable under the provisions of the Contract at the times and in the manner prescribed by the Contract.

IN WITNESS the parties hereto have caused this Agreement to be executed in accordance with the laws of _____ on the day, month and year indicated above.

Signature of the Supplier

(Seal)

Signature of the Purchaser

(Seal)

Signed, Sealed and Delivered in the presence of:

Witness:

(Name, Title and Address)

Witness

(Name, Title and Address)

Form of Advance Payment Security (N/A)

Date: _____

Contract Name and No. : _____

To: _____

In accordance with the payment provision included in the Contract, in relation to advance payments, _____ (hereinafter called "the Supplier") shall deposit with the Purchaser a security consisting of _____, to guarantee its proper and faithful performance of the obligations imposed by said Clause of the Contract, in the amount of _____.

We, the undersigned _____, legally domiciled in _____ (hereinafter "the Guarantor"), as instructed by the Supplier, agree unconditionally and irrevocably to guarantee as primary obligor and not as surety merely, the payment to the Purchaser on its first demand without whatsoever right of objection on our part and without its first claim to the Supplier, in the amount not exceeding _____.

This security shall remain valid and in full effect from the date of the advance payment received by the Supplier under the Contract until _____, _____.

Name _____

In the capacity of _____

Signed _____

Duly authorized to sign the security for and on behalf of _____

Date _____

General Conditions of Contract

General Conditions of Contract

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1. Definitions

1.1 The following words and expressions shall have the meanings hereby assigned to them:

- (a) “Contract” means the Agreement entered into between the Purchaser and the Supplier, together with the Contract Documents referred to therein, including all attachments, appendices, schedules and all documents incorporated by reference therein.
- (b) “Contract Documents” means the documents listed in the Agreement, including any amendments thereto.
- (c) “Contract Price” means the price payable to the Supplier as specified in the Agreement, subject to such additions and adjustments thereto or deductions therefrom, as may be made pursuant to the Contract.
- (d) “Day” means calendar day.
- (e) “Delivery” means the transfer of the Goods from the Supplier to the Purchaser in accordance with the terms and conditions set forth in the Contract.
- (f) “Completion” means the fulfillment of the supply of Goods by the Supplier in accordance with the terms and conditions set forth in the Contract.
- (g) “Eligible Countries” means the countries as per Appendix-A.
- (h) “GCC” means the General Conditions of Contract.
- (i) “Goods” means all of the commodities, raw material, machinery and equipment, and/or other materials that the Supplier is required to supply to the Purchaser under the Contract.
- (j) “Purchaser’s Country” is the country specified in the Particular Conditions of Contract (PCC).
- (k) The “Purchaser” means the Employer who is the entity purchasing the Goods, as specified in the PCC, and includes the legal successors or assigns of the Purchaser.
- (l) “PCC” means the Particular Conditions of Contract.
- (m) “Subcontractor” means any natural person, private or government entity or a combination of the above, including its legal successors or permitted assigns, to whom any part of the Goods to be supplied is subcontracted by the Supplier.

(n) “Supplier” means the natural person, private or government entity, or a combination of the above, whose bid to perform the Contract has been accepted by the Purchaser and is named as such in the Agreement, and includes the legal successors or permitted assigns of the Supplier.

(o) “The Site,” where applicable, means the place named in the PCC.

2. Contract Document

Subject to the order of precedence set forth in the Agreement, all documents forming the Contract (and all parts thereof) are intended to be correlative, complementary, and mutually explanatory.

3. Corrupt and Fraudulent Practices 3.1

(a) For the purposes of this provision, the term “Corrupt and Fraudulent Practices” includes the offering, giving, receiving, or soliciting of any thing of value to influence the action of a public official or the supplier or contractor in the procurement process or in contract execution to the detriment of the procuring agencies; or misrepresentation of facts in order to influence a procurement process or the execution of a contract, collusive practices among bidders (prior to or after bid submission) designed to establish bid prices at artificial, non-competitive levels and to deprive the procuring agencies of the benefits of free and open competition and any request for, or solicitation of anything of value by any public official in the course of the exercise of his duty.

(b) The Purchaser will reject a proposal for award if it determines that the bidder recommended for award has, directly or through an agent, engaged in corrupt and fraudulent practices in competing for the Contract.

3.2 The Supplier shall permit the Purchaser to inspect the Supplier’s accounts and records relating to the performance of the Supplier and to have them audited by auditors appointed by the Purchaser, if so required by the Purchaser.

4. Interpretation

4.1 If the context so requires it, singular means plural and vice versa where the context requires.

4.2 Incoterms

The meaning of any trade term and the rights and obligations of parties thereunder shall be as prescribed by Incoterms.

- (a) EXW, CIF, DDP, and other similar terms, shall be governed by the rules prescribed in the current edition of Incoterms, published by the International Chamber of Commerce at the date of the Invitation for Bids or as specified in the PCC.

4.3 Entire Agreement

The Contract constitutes the entire agreement between the Purchaser and the Supplier and supersedes all communications, negotiations and agreements (whether written or oral) of parties with respect thereto made prior to the date of Contract.

4.4 Amendment

No amendment or other variation of the Contract shall be valid unless it is in writing, is dated, expressly refers to the Contract, and is signed by a duly authorized representative of each party thereto.

4.5 Nonwaiver

- (a) Subject to GCC Sub-Clause 4.5(b) below, no relaxation, forbearance, delay, or indulgence by either party in enforcing any of the terms and conditions of the Contract or the granting of time by either party to the other shall prejudice, affect, or restrict the rights of that party under the Contract, neither shall any waiver by either party of any breach of Contract operate as waiver of any subsequent or continuing breach of Contract.
- (b) Any waiver of a party's rights, powers, or remedies under the Contract must be in writing, dated, and signed by an authorized representative of the party granting such waiver, and must specify the right and the extent to which it is being waived.

4.6 Severability

If any provision or condition of the Contract is prohibited or rendered invalid or unenforceable, such prohibition, invalidity or unenforceability shall not affect the validity or enforceability of any other provisions and conditions of the Contract.

5. Language

- 5.1 The Contract as well as all correspondence and documents relating to the Contract exchanged by the Supplier and the Purchaser, shall be written in the language specified in the PCC.

Supporting documents and printed literature that are part of the Contract may be in another language provided they are accompanied by an accurate translation of the relevant passages in the language specified in the PCC, in which case, for purposes of interpretation of the Contract, this translation shall govern.

5.2 The Supplier shall bear all costs of translation to the governing language and all risks of the accuracy of such translation.

6. Joint Venture, Consortium or Association

6.1 Unless otherwise specified in the PCC, if the Supplier is a joint venture, consortium, or association, all of the parties shall be jointly and severally liable to the Purchaser for the fulfillment of the provisions of the Contract and shall designate one party to act as a leader with authority to bind the joint venture, consortium, or association. The composition or the constitution of the joint venture, consortium, or association shall not be altered without the prior consent of the Purchaser.

7. Eligibility

7.1 The Supplier and its Subcontractors shall have the nationality of an Eligible Country in case of International Competitive Bidding but only of Pakistan in case National Competitive Bidding. A Supplier or Subcontractor shall be deemed to have the nationality of a country if it is a citizen or constituted or incorporated, and operates in conformity with the provisions of the laws of that country.

7.2 All Goods to be supplied under the Contract and financed by the Purchaser shall have their origin in Eligible Countries. For the purpose of this Clause, origin means the country where the goods have been grown, mined, cultivated, produced, manufactured, or processed; or through manufacture, processing, or assembly, another commercially recognized article results that differs substantially in its basic characteristics from its imported components.

8. Notices

8.1 Any Notice given by one party to the other pursuant to the Contract shall be in writing to the address specified in the PCC. The term "in writing" means communicated in written form with proof of receipt.

8.2 A Notice shall be effective when delivered or on the Notice's effective date, whichever is later.

9. Governing Law

9.1 The Contract shall be governed by and interpreted in accordance with the laws of the Purchaser's country, unless otherwise specified in the PCC.

10. Settlement of Disputes

10.1 The Purchaser and the Supplier shall make every effort to resolve amicably by direct informal negotiation any disagreement or

dispute arising between them under or in connection with the Contract.

- 10.2 If the parties fail to resolve such a dispute or difference by mutual consultation within twenty-eight (28) days from the commencement of such consultation, either party may require that the dispute be referred for resolution to the formal mechanisms specified in the PCC.

11. Scope of Supply

- 11.1 Subject to the PCC, the Goods to be supplied shall be as specified in Schedules to Bid.
- 11.2 Unless otherwise stipulated in the Contract, the Scope of Supply shall include all such items not specifically mentioned in the Contract but that can be reasonably inferred from the Contract as being required for attaining Delivery and Completion of the Goods as if such items were expressly mentioned in the Contract.

12. Delivery

- 12.1 Subject to GCC Sub-Clause 33.1, the Delivery of the Goods shall be in accordance with the Delivery and Completion Schedule specified in the Schedules to Bid. The details of shipping and other documents to be furnished by the Supplier are specified in the PCC.

13. Supplier's Responsibilities

- 13.1 The Supplier shall supply all the Goods included in the Scope of Supply in accordance with GCC Clause 11, and the Delivery and Completion Schedule, as per GCC Clause 12.

14. Purchaser's Responsibilities

- 14.1 Whenever the supply of Goods requires that the Supplier obtain permits, approvals, and import and other licenses from local public authorities, the Purchaser shall, if so required by the Supplier, make its best effort to assist the Supplier in complying with such requirements in a timely and expeditious manner.
- 14.2 The Purchaser shall afford all costs involved in the performance of its responsibilities, in accordance with GCC Sub-Clause 14.1.

15. Contract Price

- 15.1 The Contract Price shall be as specified in the Agreement subject to any additions and adjustments thereto, or deductions therefrom, as may be made pursuant to the Contract.
- 15.2 Prices charged by the Supplier for the Goods delivered under the Contract shall not vary from the prices quoted by the Supplier in its bid, with the exception of any price adjustments authorized as per the formula if given in GCC Sub-Clause 15.3.
- 15.3 *[The Purchaser should develop the formula and other factors for Price Adjustment based on the principle of Clause 70.1 of PEC*

Bidding Documents for Civil Works and Standard Procedure and Formulae for Price Adjustment prepared by PEC, with following modifications:

- i. *Adjustable material would be those raw materials used for manufacturing of specific Goods Items on which, in opinion of the Purchaser, the price adjustment is payable. However, the Purchaser shall calculate, to make project specific price adjustment formula, the appropriate weightages of major raw materials as per the PEC standard documents mentioned above.*
- ii. *In case of adjustable materials and labor, the current price indices shall be 42 days prior to date of Goods transport [or any other appropriate period may be incorporated by the Purchaser representing the mid-point of the period of manufacture], while in case of POL, the current price indices shall be 15 days [or any other reasonable period may be incorporated by the Purchaser] before the date of Goods transport.*
- iii. *Source for indices:*
 - a. *For Local Manufactured Items;*
PICC cost data or any other credible source to be mentioned in bidding documents, failing which to be agreed between parties before signing the Contract.
 - b. *For Foreign Manufactured Items;*
London Metal Exchange (LME) Rate]

OR

[The Purchaser shall state “This is a Fixed Price Contract” in case the Price Adjustment is not applicable for lesser time of delivery or smaller quantities of Goods to be supplied.]

16. Terms of Payment

16.1 The Contract Price shall be paid as specified in the PCC.

16.2 The Supplier's request for payment shall be made to the Purchaser in writing, accompanied by invoices describing, as appropriate, the Goods delivered by the documents submitted pursuant to GCC Clause 12 and upon fulfillment of all the obligations stipulated in the Contract.

16.3 Payments shall be made promptly by the Purchaser, no later than sixty (60) days after submission of an invoice or request for payment by the Supplier, and the Purchaser has accepted it.

16.4 The currency or currencies in which payments shall be made to the Supplier under this Contract shall be specified in the PCC.

17. Taxes and Duties

17.1 For Goods supplied from outside the Purchaser's Country, the Supplier shall be entirely responsible for all taxes, stamp duties, license fees, and other such levies imposed outside the Purchaser's Country.

17.2 For Goods supplied from within the Purchaser's Country, the Supplier shall be entirely responsible for all taxes, duties, license fees, etc., incurred until delivery of the contracted Goods to the Purchaser.

17.3 If any tax exemptions, reductions, allowances or privileges may be available to the Supplier in the Purchaser's Country, the Purchaser shall use its best efforts to enable the Supplier to benefit from any such tax savings to the maximum allowable extent.

18. Performance Security

18.1 The Supplier shall, within twenty-eight (28) days of the notification of Contract award, provide a Performance Security for the due performance of the Contract in the amounts and currencies specified in the PCC.

18.2 The proceeds of the Performance Security shall be payable to the Purchaser as compensation for any loss resulting from the Supplier's failure to complete its obligations under the Contract.

18.3 The Performance Security shall be denominated in the currencies of the Contract, or in a freely convertible currency acceptable to the Purchaser, and shall be in one of the forms stipulated by the Purchaser in the PCC, or in another form acceptable to the Purchaser.

18.4 The Performance Security shall be discharged by the Purchaser and returned to the Supplier not later than twenty-eight (28) days following the date of completion of the Supplier's performance obligations under the Contract, including any warranty obligations, unless specified otherwise in the PCC.

19. Copyright

19.1 The copyright in all drawings, documents, and other materials containing data and information furnished to the Purchaser by the Supplier herein shall remain vested in the Supplier, or, if they are furnished to the Purchaser directly or through the Supplier by any third party, including suppliers of materials, the copyright in such materials shall remain vested in such third party.

20. Confidential Information

- 20.1 The Purchaser and the Supplier shall keep confidential and shall not, without the written consent of the other party hereto, divulge to any third party any documents, data, or other information furnished directly or indirectly by the other party hereto in connection with the Contract, whether such information has been furnished prior to, during or following completion or termination of the Contract. Notwithstanding the above, the Supplier may furnish to its Subcontractor such documents, data, and other information it receives from the Purchaser to the extent required for the Subcontractor to perform its work under the Contract, in which event the Supplier shall obtain from such Subcontractor an undertaking of confidentiality similar to that imposed on the Supplier under GCC Clause 20.
- 20.2 The Purchaser shall not use such documents, data, and other information received from the Supplier for any purposes unrelated to the Contract. Similarly, the Supplier shall not use such documents, data, and other information received from the Purchaser for any purpose other than the design, procurement, required for the performance of the Contract.
- 20.3 The obligation of a party under GCC Sub-Clauses 20.1 and 20.2 above, however, shall not apply to information that:
- (a) the Purchaser or Supplier need to share with the purchaser or other institutions participating in the financing of the Contract;
 - (b) now or hereafter enters the public domain through no fault of that party;
 - (c) can be proven to have been possessed by that party at the time of disclosure and which was not previously obtained, directly or indirectly, from the other party; or
 - (d) otherwise lawfully becomes available to that party from a third party that has no obligation of confidentiality.
- 20.4 The above provisions of GCC Clause 20 shall not in any way modify any undertaking of confidentiality given by either of the parties hereto prior to the date of the Contract in respect of the Supply or any part thereof.
- 20.5 The provisions of GCC Clause 20 shall survive completion or termination, for whatever reason, of the Contract.

21. Subcontracting

The Supplier shall notify the Purchaser in writing of all subcontracts awarded under the Contract if not already specified in the Bid. Subcontracting shall in no event relieve the Supplier

from any of its obligations, duties, responsibilities, or liability under the Contract.

21.1 Subcontracts shall comply with the provisions of GCC Clauses 3 and 7.

22. Specifications and Standards

22.1 Technical Specifications and Drawings

- (a) The Supplier shall ensure that the Goods comply with the technical specifications and other provisions of the Contract.
- (b) The Supplier shall be entitled to disclaim responsibility for any design, data, drawing, specification or other document, or any modification thereof provided or designed by or on behalf of the Purchaser, by giving a notice of such disclaimer to the Purchaser.
- (c) The Goods supplied under this Contract shall conform to the standards mentioned in the Schedules to Bid and, when no applicable standard is mentioned, the standard shall be equivalent or superior to the official standards whose application is appropriate to the country of origin of the Goods.

22.2 Wherever references are made in the Contract to codes and standards in accordance with which it shall be executed, the edition or the revised version of such codes and standards shall be those specified in the Schedules to Bid. During Contract execution, any changes in any such codes and standards shall be applied only after approval by the Purchaser and shall be treated in accordance with GCC Clause 33.

23. Packing and Documents

23.1 The Supplier shall provide such packing of the Goods as is required to prevent their damage or deterioration during transit to their final destination, as indicated in the Contract. During transit, the packing shall be sufficient to withstand, without limitation, rough handling and exposure to extreme temperatures, salt and precipitation, and open storage. Packing case size and weights shall take into consideration, where appropriate, the remoteness of the final destination of the Goods and the absence of heavy handling facilities at all points in transit.

23.2 The packing, marking, and documentation within and outside the packages shall comply strictly with such special requirements as shall be expressly provided for in the Contract,

including additional requirements, if any, specified in the PCC, and in any other instructions ordered by the Purchaser.

- | | |
|----------------------------------|--|
| 24. Insurance | 24.1 Unless otherwise specified in the PCC, the Goods supplied under the Contract shall be fully insured, in a freely convertible currency from an eligible country, against loss or damage incidental to manufacture or acquisition, transportation, storage, and delivery, in accordance with the applicable Incoterms or in the manner specified in the PCC. |
| 25. Transportation | 25.1 Unless otherwise specified in the PCC, obligations for transportation of the Goods shall be in accordance with the Incoterms specified in the Schedules A and B to Bid. |
| 26. Inspections and Tests | <p>26.1 The Supplier shall at its own expense and at no cost to the Purchaser carry out all such tests and /or inspections of the Goods as are specified in the Schedules to Bid.</p> <p>26.2 The inspections and tests may be conducted on the premises of the Supplier or its Subcontractor, at point of delivery, and/or at the final destination of the Goods, or in another place in the Purchaser's country as specified in the PCC. Subject to GCC Sub-Clause 26.3, if conducted on the premises of the Supplier or its Subcontractor, all reasonable facilities and assistance, including access to drawings and production data, shall be furnished to the inspectors at no charge to the Purchaser.</p> <p>26.3 The Purchaser or its designated representative shall be entitled to attend the tests and/or inspections referred to in GCC Sub-Clause 26.2, provided that the Purchaser bear all of its own costs and expenses incurred in connection with such attendance including, but not limited to, all traveling and board and lodging expenses.</p> <p>26.4 Whenever the Supplier is ready to carry out any such test and inspection, it shall give a reasonable advance notice, including the place and time, to the Purchaser. The Supplier shall obtain from any relevant third party or manufacturer any necessary permission or consent to enable the Purchaser or its designated representative to attend the test and/or inspection.</p> <p>26.5 The Purchaser may require the Supplier to carry out any test and/or inspection not required by the Contract but deemed necessary to verify that the characteristics and performance of the Goods comply with the technical specifications, codes and standards under the Contract, provided that the Supplier's reasonable costs and expenses incurred in the carrying out of such test and/or inspection shall be added to the Contract Price. Further, if such test and/or inspection impedes the progress of manufacturing and/or the Supplier's performance of its other obligations under the Contract, due allowance will be made in</p> |

respect of the Delivery Dates and Completion Dates and the other obligations so affected.

26.6 The Supplier shall provide the Purchaser with a report of the results of any such test and/or inspection.

26.7 The Purchaser may reject any Goods or any part thereof that fail to pass any test and/or inspection or do not conform to the specifications. The Supplier shall either rectify or replace such rejected Goods or parts thereof or make alterations necessary to meet the specifications at no cost to the Purchaser, and shall repeat the test and/or inspection, at no cost to the Purchaser, upon giving a notice pursuant to GCC Sub-Clause 26.4.

26.8 The Supplier agrees that neither the execution of a test and/or inspection of the Goods or any part thereof, nor the attendance by the Purchaser or its representative, nor the issue of any report pursuant to GCC Sub-Clause 26.6, shall release the Supplier from any warranties or other obligations under the Contract.

27. Liquidated Damages

27.1 Except as provided under GCC Clause 32, if the Supplier fails to deliver any or all of the Goods within the period specified in the Contract, the Purchaser may without prejudice to all its other remedies under the Contract, deduct from the Contract Price, as liquidated damages, a sum equivalent to the percentage specified in the PCC of the Contract Price for each week or part thereof of delay until actual delivery or performance, up to a maximum deduction of the percentage specified in the PCC. Once the maximum is reached, the Purchaser may terminate the Contract pursuant to GCC Clause 35.

28. Warranty

28.1 The Supplier warrants that all the Goods are new, unused, and of the most recent or current models, and that they incorporate all recent improvements in design and materials, unless provided otherwise in the Contract.

28.2 Subject to GCC Sub-Clause 22.1, the Supplier further warrants that the Goods shall be free from defects arising from any act or omission of the Supplier or arising from design, materials, and workmanship, under normal use in the conditions prevailing in the country of final destination.

28.3 Unless otherwise specified in the PCC, the warranty shall remain valid for twelve (12) months after the Goods, or any portion thereof as the case may be, have been delivered to and accepted at the final destination indicated in the PCC, or for eighteen (18) months after the date of shipment or loading in the country of origin, whichever period concludes earlier.

28.4 The Purchaser shall give Notice to the Supplier stating the nature of any such defects together with all available evidence thereof,

promptly following the discovery thereof. The Purchaser shall afford all reasonable opportunity for the Supplier to inspect such defects.

- 28.5 Upon receipt of such Notice, the Supplier shall, within the period specified in the PCC, expeditiously repair or replace the defective Goods or parts thereof, at no cost to the Purchaser.
- 28.6 If having been notified, the Supplier fails to remedy the defect within the period specified in the PCC, the Purchaser may proceed to take within a reasonable period such remedial action as may be necessary, at the Supplier's risk and expense and without prejudice to any other rights which the Purchaser may have against the Supplier under the Contract.

29. Patent Indemnity

- 29.1 The Supplier shall, subject to the Purchaser's compliance with GCC Sub-Clause 29.2, indemnify and hold harmless the Purchaser and its employees and officers from and against any and all suits, actions or administrative proceedings, claims, demands, losses, damages, costs, and expenses of any nature, including attorney's fees and expenses, which the Purchaser may suffer as a result of any infringement or alleged infringement of any patent, utility model, registered design, trademark, copyright, or other intellectual property right registered or otherwise existing at the date of the Contract by reason of:
- (a) the installation of the Goods by the Supplier or the use of the Goods in the country where the Site is located; and
 - (b) the sale in any country of the products produced by the Goods.

Such indemnity shall not cover any use of the Goods or any part thereof other than for the purpose indicated by or to be reasonably inferred from the Contract, neither any infringement resulting from the use of the Goods or any part thereof, or any products produced thereby in association or combination with any other equipment, plant, or materials not supplied by the Supplier, pursuant to the Contract.

- 29.2 If any proceedings are brought or any claim is made against the Purchaser arising out of the matters referred to in GCC Sub-Clause 29.1, the Purchaser shall promptly give the Supplier a notice thereof, and the Supplier may at its own expense and in the Purchaser's name conduct such proceedings or claim and any negotiations for the settlement of any such proceedings or claim.

- 29.3 If the Supplier fails to notify the Purchaser within twenty-eight (28) days after receipt of such notice that it intends to conduct any such proceedings or claim, then the Purchaser shall be free to conduct the same on its own behalf.
- 29.4 The Purchaser shall, at the Supplier's request, afford all available assistance to the Supplier in conducting such proceedings or claim, and shall be reimbursed by the Supplier for all reasonable expenses incurred in so doing.
- 29.5 The Purchaser shall indemnify and hold harmless the Supplier and its employees, officers, and Subcontractors from and against any and all suits, actions or administrative proceedings, claims, demands, losses, damages, costs, and expenses of any nature, including attorney's fees and expenses, which the Supplier may suffer as a result of any infringement or alleged infringement of any patent, utility model, registered design, trademark, copyright, or other intellectual property right registered or otherwise existing at the date of the Contract arising out of or in connection with any design, data, drawing, specification, or other documents or materials provided or designed by or on behalf of the Purchaser.

30. Limitation of Liability

- 30.1 Except in cases of gross negligence or willful misconduct :
- (a) neither party shall be liable to the other party for any indirect or consequential loss or damage, loss of use, loss of production, or loss of profits or interest costs, provided that this exclusion shall not apply to any obligation of the Supplier to pay liquidated damages to the Purchaser; and
 - (b) the aggregate liability of the Supplier to the Purchaser, whether under the Contract, in tort, or otherwise, shall not exceed the amount specified in the PCC, provided that this limitation shall not apply to the cost of repairing or replacing defective equipment, or to any obligation of the Supplier to indemnify the Purchaser with respect to patent infringement.

31. Change in Laws and Regulations

- 31.1 Unless otherwise specified in the Contract, if after the date of the Invitation for Bids, any law, regulation, ordinance, order or bylaw having the force of law is enacted, promulgated, abrogated, or changed in the place of the Purchaser's country where the Site is located (which shall be deemed to include any change in interpretation or application by the competent authorities) that subsequently affects the Delivery Date and/or the Contract Price, then such Delivery Date and/or Contract Price shall be correspondingly increased or decreased, to the extent that the Supplier has thereby been affected in the performance of any of its obligations under the Contract.

Notwithstanding the foregoing, such additional or reduced cost shall not be separately paid or credited if the same has already been accounted for in the price adjustment provisions where applicable, in accordance with GCC Clause 15.

**32. Force
Majeure**

- 32.1 The Supplier shall not be liable for forfeiture of its Performance Security, liquidated damages, or termination for default if and to the extent that its delay in performance or other failure to perform its obligations under the Contract is the result of an event of Force Majeure.
- 32.2 For purposes of this Clause, “Force Majeure” means an event or situation beyond the control of the Supplier that is not foreseeable, is unavoidable, and its origin is not due to negligence or lack of care on the part of the Supplier. Such events may include, but not be limited to, acts of the Purchaser in its sovereign capacity, wars or revolutions, fires, floods, epidemics, quarantine restrictions, and freight embargoes.
- 32.3 If a Force Majeure situation arises, the Supplier shall promptly notify the Purchaser in writing of such condition and the cause thereof. Unless otherwise directed by the Purchaser in writing, the Supplier shall continue to perform its obligations under the Contract as far as is reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the Force Majeure event.

**33. Change
Orders and
Contract
Amendments**

- 33.1 The Purchaser may at any time order the Supplier through Notice in accordance GCC Clause 8, to make changes within the general scope of the Contract in any one or more of the following:
- (a) drawings, designs, or specifications, where Goods to be furnished under the Contract are to be specifically manufactured for the Purchaser;
 - (b) the method of shipment or packing;
 - (c) the place of delivery; and
 - (d) Any other
- 33.2 If any such change causes an increase or decrease in the cost of, or the time required for, the Supplier’s performance of any provisions under the Contract, an equitable adjustment shall be made in the Contract Price or in the Delivery and Completion Schedule, or both, and the Contract shall accordingly be amended. Any claims by the Supplier for adjustment under this Clause must be asserted within twenty-eight (28) days from the date of the Supplier’s receipt of the Purchaser’s change order.

34. Extensions of Time

- 34.1 If at any time during performance of the Contract, the Supplier or its Subcontractors should encounter conditions impeding timely delivery of the Goods pursuant to GCC Clause 12, the Supplier shall promptly notify the Purchaser in writing of the delay, its likely duration, and its cause. As soon as practicable after receipt of the Supplier's notice, the Purchaser shall evaluate the situation and may at its discretion extend the Supplier's time for performance, in which case the extension shall be ratified by the parties by amendment of the Contract.
- 34.2 Except in case of Force Majeure, as provided under GCC Clause 32, a delay by the Supplier in the performance of its Delivery and Completion obligations shall render the Supplier liable to the imposition of liquidated damages pursuant to GCC Clause 27, unless an extension of time is agreed upon, pursuant to GCC Sub-Clause 34.1.

35. Termination

35.1 Termination for Default

- (a) The Purchaser, without prejudice to any other remedy for breach of Contract, by Notice of default sent to the Supplier, may terminate the Contract in whole or in part:
- (i) if the Supplier fails to deliver any or all of the Goods within the period specified in the Contract, or within any extension thereof granted by the Purchaser pursuant to GCC Clause 34; or
 - (ii) if the Supplier fails to perform any other obligation under the Contract.
- (b) In the event the Purchaser terminates the Contract in whole or in part, pursuant to GCC Clause 35.1(a), the Purchaser may procure, upon such terms and in such manner as it deems appropriate, Goods or Related Services similar to those undelivered or not performed, and the Supplier shall be liable to the Purchaser for any additional costs for such similar Goods. However, the Supplier shall continue performance of the Contract to the extent not terminated.
- (c) if the Supplier, in the judgment of the Purchaser has engaged in corrupt and fraudulent practices, as defined in GCC Clause 3, in competing for or in executing the Contract.

35.2 Termination for Insolvency

The Purchaser may at any time terminate the Contract by giving Notice to the Supplier if the Supplier becomes bankrupt or otherwise insolvent. In such event, termination will be without compensation to the Supplier, provided that such termination

will not prejudice or affect any right of action or remedy that has accrued or will accrue thereafter to the Purchaser.

35.3 Termination for Convenience

- (a) The Purchaser, by Notice sent to the Supplier, may terminate the Contract, in whole or in part, at any time for its convenience. The Notice of termination shall specify that termination is for the Purchaser's convenience, the extent to which performance of the Supplier under the Contract is terminated, and the date upon which such termination becomes effective.
- (b) The Goods that are complete and ready for shipment within twenty-eight (28) days after the Supplier's receipt of the Notice of termination shall be accepted by the Purchaser at the Contract terms and prices. For the remaining Goods, the Purchaser may elect:
 - (i) To have any portion completed and delivered at the Contract terms and prices; and/or
 - (ii) to cancel the remainder and pay to the Supplier an agreed amount for partially completed Goods and for materials and parts previously procured by the Supplier.

36. Assignment

- 36.1 The Supplier shall not assign, in whole or in part, its obligations under this Contract, except with prior written consent of the Purchaser.

Particular Conditions of Contract (PCC)

The following Particular Conditions of Contract (PCC) shall supplement the General Conditions of Contract (GCC). Whenever there is a conflict, the provisions herein shall prevail over those in the GCC.

GCC Sub Clause 1.1(j)

The Purchaser's country is **Islamic Republic of Pakistan.**

GCC Sub Clause 1.1(k)

The Purchaser is: **Federal Board of Revenue, Islamabad.**

GCC Sub Clause 4.2 (b)

The version of Incoterms shall be that prevailing on the date of Invitation for Bids is **Incoterms 2020**

GCC Sub Clause 5.1

The language shall be **English**

GCC Sub Clause 7.1 and 7.2

The procurement is based on **National Competitive Bidding (NCB)**

GCC Sub Clause 8.1

For **notices**, the Purchaser's address shall be:

Attention: **Secretary IT;**

Street address: **FBR House, Constitution Ave, G-5,**

Floor/Room number: **573**

City: **Islamabad;**

ZIP code: **44000;**

Country: **Pakistan.**

Telephone: **+92 (51) 9209046**

Fax: **+92 (51) 9211888**

E-mail: secretaryit@fbr.gov.pk

Web page: www.fbr.gov.pk

[Addresses of the Supplier shall be entered before signing the Contract]

GCC Sub Clause 9.1

The governing law shall be the Law of Islamic Republic of Pakistan: **Pakistan Arbitration Act 1940**

GCC Sub Clause 10.2

The formal mechanism for the resolution of disputes shall be as follows:

- a. The rights and obligations of the Parties under or pursuant to these Conditions shall be governed and construed according to the Law of Islamic Republic of Pakistan.
- b. The dispute shall be referred to arbitration and finally settled in Pakistan in accordance with the **Pakistan Arbitration Act, 1940**, and any amendment or substitution thereof. If the Parties cannot agree to the appointment of a sole arbitrator each Party shall appoint an arbitrator and the arbitrators shall, before entering upon the reference, jointly appoint an umpire. The decision of the arbitrator(s) shall be final and shall not be challenged or assailed in any court on any ground whatsoever.

GCC Sub Clause 11.1

The scope of Goods Supply is described in **Schedule-D** to Bid.

GCC Sub Clause 12.1

Details of shipping and other documents to be furnished by the Supplier shall be:

- (a) Bill of Quantities (Inclusive of all the products as specified in the Client's requirements duly reflecting their prices through the Price Schedule);
- (b) Product Brochure / Solution Write-up w.r.t. Solicited Technical Specifications
- (c) Delivery Schedule
- (d) Transportation Details w.r.t. Incoterms 2020;
- (e) Equipment Installation and Go-LIVE Details
- (f) Warranty Coverage Details

The delivery shall be required to be made in all field formations for FBR (tentative list attached in Schedule E) and any other site intimated later on after issuance of PO.

The Supplier shall also be responsible to maintain list of items delivered in an Asset Management Software. The details of electronic entries made in the Asset Management Software and manual delivery receipts shall be handed over to IT Wing, FBR before payment can be processed.

GCC Sub Clause 16.1

The terms of payment shall be as given in Financial Management, & Powers of PAO Regulation, 2021. No advance payment shall be made to any vendor

GCC Sub Clause 16.4

The currencies for payments shall be: **PKR**

GCC Sub Clause 18.1

The Supplier shall provide a Performance Security of **Ten percent** of the Contract Price in Pakistani Rupees.

GCC Sub Clause 18.3

The Supplier shall provide a Performance Security in the prescribed Form annexed to these

Documents in the form of an **unconditional Bank Guarantee** from any Scheduled Bank duly verified by the said bank in **Pakistan**.

The cost of complying with the requirements of this Sub-Clause shall be borne by the Contractor.

GCC Sub Clause 18.4

Discharge of Performance Security shall take place: **Upon execution of the Project activity as per the contractual Work Schedule**

GCC Sub Clause 23.2

The packing, marking and documentation within and outside the packages shall be: **As per the Schedule of requirements.**

GCC Sub Clause 24.1

The insurance coverage shall be in accordance with: **Incoterms 2020**

GCC Sub Clause 25.1

Obligations for transportation of the Goods shall be in accordance with:

Incoterms 2020 & Schedule of Requirements

GCC Sub Clause 26.2

Tests and Inspections specified in Schedule F to Bid, shall be carried out at the following times or milestones, and places: **As per the submitted Inspection Schedule**

GCC Sub Clause 27.1

The penalty shall apply as per the following table:

Duration	Penalty rate (% of the PO/WO)
Late by 1-4 weeks	1-4%
Late by 4-8 weeks	5-9%
Late by more than 8 weeks	10%

GCC Sub Clause 27.1

The maximum amount of liquidated damages shall be: **Not exceeding 10% of the Contract Amount.**

GCC Sub Clause 30.1

The amount of aggregate liability shall be: **Not exceeding 10% of the Contract Amount.**

GCC Sub Clause 31.1

In case of any change in tax laws and regulations resulting in fluctuation in the amount of duties and taxes, no additional amount shall be paid by the Purchaser.

GCC Sub Clause 32:

In addition to other Force Majeure conditions, the following shall also apply:

FBR reserves the rights to waive off penalty, or decrease the penalty percentage, if the vendor can reasonably establish that delay in delivery is attributable to unforeseen and extenuating circumstances beyond its control. FBR's decision in this matter will be final and cannot be challenged in any court of law.

TECHNICAL SPECIFICATIONS

LOT 11/2002:

Project Background

Federal Board of Revenue (FBR) plans to connect all FBR offices/Sites to FBR core locations at Islamabad and Karachi as Core Aggregation Sites (FBR UNIFIED NETWORK SERVICES) as part of the overall program to provide improved services to the taxpayers. All sites must be connected with Data Centers at Islamabad & Karachi, Lahore. In case of failure/outage at one site it is the responsibility of bidder to shift the traffic to another site.

The successful firm will be responsible for:

- a) Supply of hardware (layer-3) for connectivity and last mile
- b) Complete Installation/Commissioning of hardware and related components
- c) Smooth and timely User Acceptance Test
- d) Providing local support and maintenance during and after commissioning

Main Cities:

Main Cities include Islamabad, Karachi, Lahore, Faisalabad, Multan, Gujranwala, Sialkot and Peshawar. 1-hour time to site

Remote Locations:

2 hours + Travelling time to site

- Currently, the entire Wide Area Network will be built around FBR Data center at FBR House, Islamabad & Custom House Karachi as Core Aggregation sites for links Aggregation at these locations.
- In the future, the entire Wide Area Network will be built around FBR Data centers at FBR House, Islamabad and two other sites (to be selected late on) as Core Aggregation sites for links Aggregation at these locations.

TECHNICAL REQUIREMENT FRAMEWORK

Data Connectivity Services (MPLS WAN)

Proposed Requirements:

The proposed Solution MUST possess the following characteristics at the time of proposal submission

1. Delivery of enterprise grade hardware (Routers/Layer 3 devices) will be the responsibility of the bidder.
2. The bidder should have its own help desk/ticketing system.
3. The FBR requires connectivity across the Internet to be reliable and error free. Therefore, the circuits will continuously be monitored for CRCs.

4. The service provider will ensure that FBR at all times has the guaranteed bandwidth available as requested and signed off in the confirmation of commissioning of the leased circuits.
5. The proposed solution should be scalable considering possible future expansion.
6. All fiber optic termination / configuration equipment's required shall be service provider's responsibility.
7. The solution should be on turn-key basis including hardware equipment, media acquisition, installation/integration/configuration/commissioning and services. All Hardware quoted should be on turnkey & rental basis.
8. Wireless Links will be on turnkey basis including, but is not limited to, items like tower, lightening arrestor with grounding, installation charges, PTA charges, auto backup, termination equipment, cabling etc.
9. Fiber optic link will be on turnkey basis which includes but is not limited to, items like laying of fiber cable, ODF / ONT, Mux, Media Convertor.
- 10. In case of unavailability of Fibre as primary or secondary media in remote or far flung sites, the vendor may propose provisioning of alternate media: wireless radio/satellite media. This option of providing alternate media can only be exercised on a maximum of 50% of the total links under the contract.**
11. In case of any hardware failure, backup equipment should be available in ready stock. Faulty device should be replaced within four (04) hours at core sites/main RTO/LTO/MCCs and next business day at branch sites.
12. The response time of the engineers will be counted from the fault reporting time to the arrival/response of the respective engineer.
13. The service provider shall be responsible for all civil work related to the installation of the Fiber Optics, Wireless links, cabling of data, grounding, earthing as well as channeling and all other works pertaining to the installation. The service provider will be responsible for the quality of the works and will assume full responsibility in case of damage to FBR building and/or property while carrying out the same.
14. FBR also requires that the service provider conduct preemptive maintenance inspections on a quarterly basis to ensure that the equipment is not deteriorating or about to undergo failure through cable damage, corrosion, breakage etc.
15. FBR requires help line numbers to be provided where problems may be immediately reported and a quick process initiated to identify and rectify the problem. The office, mobile number and email addresses of operational staff must be provided for immediate escalation of the problem. In case of absence or leave of the primary responsible resource, the backup resource contact numbers will also be provided by the service provider and his presence during that period will be ensured to FBR.
16. All PTA or any other Licenses required will be the sole responsibility of the service provider.
17. Provide periodic reports (in form of excel spread sheet, executive report) as and when required within two days of FBR's intimation.
18. The initial point of contact will be the Pakistan Revenue Automation Limited technical team.
19. FBR reserves the right to activate or de-activate any link, site office as per its sole discretion.
20. The bidder will be completely responsible for the execution of the project as a single point solution provider.
21. Bidder must have working office in Pakistan with registered address/proof.
22. Service provider should be capable to restrict/allow/filter specific traffic on the requirement basis of FBR.

23. Support should be available all the time and response time should be less than one (01) hour for technical issues at Core/branch end sites. However, for fiber media troubleshooting, restoration, support should be available all the time and response time should be within four hours (04).
24. The bidder requires to provide 99.9% uptime and any reduction in uptime will be deducted from MRC as per the signed contract accordingly.
25. Service provider shall provide 24x7x365 service and response engineers mobile numbers to FBR for direct support during off hours.
26. The primary and secondary links are required in active-active redundant mode on separate fiber cables with required bandwidth for optimal working and load balancing/load sharing of the data traffic on both links.
27. The successful bidder will be evaluated only on the basis of prices quoted for MPLS data connectivity services. The bidder must quote the prices for Enterprise grade router, Online UPS, Rack, Isolation transformer charges separately on monthly recurring basis and shall not be used for evaluation purposes.
28. In case of relocation of core site/aggregation site to new location, the bidder will have to perform the relocation of the allied equipment, all connectivity links related configuration of the aggregation, core site.
29. Bidders are required to quote bandwidth slab rates. Depending upon the requirement, the FBR may request to increase or decrease the bandwidth as per quoted rates. Whenever bandwidth is increased or decreased, the bill will be charged on prorated basis. No addendum to SLA will be required for this purpose.
30. Bidder are to clearly mention the site relocation (shifting) charges for major cities and remote areas along with the timelines for the shifting of links. Consideration shall be made to include additional sites and scale up the bandwidth for each site when the need arises.
31. No advance payments are payable, payments will be made on quarterly basis after the completion of complete quarter and the verification of the services rendered.
32. A bidder may choose to bid for one or more than one lot(s) and may opt out of any lot(s) as per their suitability.
33. FBR reserves the right to increase or decrease the quantity of BOQ, sites, Bandwidth required for any office, aggregation site or for the complete solution.
34. Bidders are required to quote listed bandwidth slab rates for all lots. FBR may intimate ISP to increase the bandwidth as per quoted rates for any slab according to FBR requirement any time. This will be the part of SLA and will be charged on pro-rated basis and no additional addendum will be required.

TECHNICAL REQUIREMENT FRAMEWORK

The entire Wide Area Network will be built around FBR Data centers at FBR House, Islamabad & Custom House Karachi as Core Aggregation sites for links Aggregation at these locations.

A minimum technical requirements matrix is listed below. All prospective bidders must fill the below table along with necessary documentation required to be provided with this

S #	Description	Compliance	Remarks
-----	-------------	------------	---------

1.	The service provider should have long haul with multiple ring protection to ensure redundancy.		
2.	The service provider should have their own Active Disaster recovery sites.		
3.	Evidence that the FBRs Islamabad and Karachi, Lahore Core sites will be feed through redundant POPs.		
4.	All the sites in major cities should be on fiber should be in ring configuration, if ring is not possible than the backup should be on wireless.		
5.	In case of wireless is being offered as redundant link, licensed frequency must be used in following cities: Karachi, Lahore, and Islamabad		
6.	Both FBR core Aggregation Sites required to be deployed in active/active configuration.		
7.	The complete core network must be around Layer3 MPLS core.		
8.	Independent VPN/ dedicated tunnels should be configured for every link between CE to CE.		
9.	The SLA is 99.9 %. This is based on business hrs. Some offices are 9 to 5 and custom offices have 24/7 operation.		
10.	The design of the network should have the scalability/flexibility for us to upgrade bandwidth at any of FBR location, with the existing technology or with alternate technology.		
11.	The design of the network should have the scalability/flexibility to add any new sites in future.		
12.	The core routers/devices for MPLS connectivity should be enterprise grade and bandwidth throughput of each device should atleast 3X more than the bandwidth being offered at that site.		
13.	All the equipment used in the network should be insured and hot		

	replacement will be provided in case of any failure or malfunction.		
14.	FBR will only provide raw power; the cost to convert it to clean power should be the responsibility of the service provider. i.e. Surge arrester/ suppressor or earth pit, online UPSs, Isolation Transformer etc.		
15.	Bidder must be in relevant business for at least 5 years.		
16.	The bidder should have its own help desk/ticketing system		
17.	The upload and download bandwidth should be same at all sites.		
18.	Provide weekly update to FBR regarding the project		
19.	NMS/MRTG server configured with 24/7 monitoring for south, central and North regions and consolidated status of the links should be provided by the vendor.		

Note:

It is the responsibility of bidder to get a sign-off against each site from the POC. Without the sign-off certificate the site will be considered undeployed. The certificate should be clearly signed with clear details regarding the date of commissioning visiting engineer details etc.

Last Mile Preference:

Fiber Optic is the fastest and most secure transmission medium. Selecting fiber optic media means that the network delay between two end points will be very small as compared to other links/media. To ensure the uninterruptable services the last Mile must be connected to service provider's self-heal/redundant ring (a must requirement). The connectivity medium required is mentioned against each site in case the vendor is proposing any other media apart from Fiber (for primary connectivity) and Fiber/Wireless (for secondary connectivity) it will be the responsibility of the bidder to ensure the link deployment connectivity parameters mentioned at Section 1.5 (Summary of SLA and service credits) are configured successfully without any issue and FBR applications run smoothly without any delay or additional cost to FBR.

1.5 Summary of SLA and Service Credits

	SLA indicator	Required SLA Values
1	MPLS Network backbone and individual link availability	99.9 %

2	MPLS Network backbone round trip latency between 2 sites	Less than 100 milliseconds
3	Packet Loss	Less than 0.3 %
4	Pack Jitter	Less than 2 milliseconds
5	Mean time to repair for Technical issues	1 Hour
6	Mean time to repair for Fiber Media	4 Hours
7	MTU Size	1500

1.6 Credit Allocation Policy for MPLS Link Availability

Cumulative monthly time of outages	Customer Credit % of the monthly recurrent cost, the concerned MPLS link or the Backbone
Between 15 minutes and 4 hours	10 %
Between 4 and 8 hours	20 %
Between 8 and 12 hours	40 %
Between 12 and 24 hours	50 %
More 48 hours	One-month credit

1.7 Credit Allocation for Latency, Packet Loss, Jitter

Performance Indicators	Service credit
Latency > 100 milliseconds for more than 1 hour during the service month	15% of the MRC
Packet loss >.3% for more than 1 hour during the service month	15% of the MRC
Jitter > 2millisecond	15% of the MRC

1.8 Deployment Responsibility Matrix

Sr. #	Items	Description	Responsibility
1.	Equipment Rack	Rack or equivalent space in existing rack is required for the installation of network equipment.	Service Provider
2.	Air Conditioning	Required for maintaining the proper temperature for communication equipment	FBR
3.	Tower/Pole Erection Permissions	Tower/ Pole where required and or applicable as per service providers design	Service Provider
4.	Site related permission & site access	This is the responsibility of FBR to facilitate permissions and site access	FBR
5.	Power/Generators	Providing Raw power and with Generator backup (where Generator is required) is the responsibility of FBR	FBR
6.	Earth pit and or isolation transformer	This is mandatory where equipment grounding and or isolation transformer is required	Service Provider

7.	UPS if required (Standard)	This provides uninterrupted power supply to avoid power fluctuations and to safeguard equipment.	Service Provider
8.	Point of Contacts	FBR will provide point of contacts for each location.	FBR
9.	Security	All possible measures should be taken to ensure security of the equipment and prevent access of irrelevant persons, animals, objects etc.	FBR
10.	Cable Route	FBR will help to finalize the survey for cable route	FBR
11.	Power Sockets	FBR will provide the required power point	FBR
12.	Electrician Availability	FBR electricians are available only in Major cities. Rest is the responsibility of service provider (if required)	FBR/Service Provider
13.	Civil Work	Permission for civil work like concrete base etc. if required (FBR role is only limited to permissions)	FBR/Service Provider
14.	Routing/Switching device / Converters	Customer end router/switching device / converters	Service Provider

BILL OF QUANTITY

LOT 11/2022: DATA CONNECTIVITY SERVICES (MPLS WAN)

Sr.No	Description	Quantity
1.	Hardware Device, Enterprise Grade (Router/Layer-3)	269 As per Number of Sites
2.	Rack (16U)	269 As per Number of Sites
3.	Online UPS (Emerson) 1KVA	269 As per Number of Sites
4.	ONTs & ODFs	269 As per Number of Sites
5.	Deployment and configuration of MPLS Data connectivity Solution	1 Job
6.	Comprehensive 3 Years (Enterprise) SLA Support and Warranty	1 Job

LOT 11/2022:
FBR SDWAN UNIFIED NETWORK SITES DETAILS

BANDWIDTH DISTRIBUTION

Sr. No	Site Name	Site Address	City	Zone	Province	Site Type	Last Mile		Bandwidth	Nodes	POC	Contact Number
							Primary	Secondary	CIR Mbps			
1.	Islamabad, Data Center, FBR House-Site A	FBR House, Constitution Avenue, Islamabad	Islamabad	North	Islamabad	Core Islamabad	Fiber	Fiber	150 Mbps	Core Site	Mazhar Iqbal	3325164759
2.	Islamabad, Data Center, PRAL Hqrs I9 Islamabad	STP Building PRAL Hqrs I-9/3, Islamabad	Islamabad	North	Islamabad	Core Islamabad	Fiber	Fiber	50 Mbps	Core Site	Fakhar Sharif	3225098605
3.	Karachi, Custom House 9th Floor	9th Floor Eduljee Dinshaw Road, Custom House, Karachi.	Karachi	South	Sindh	Core Karachi	Fiber	Fiber	150 Mbps	Core Site	Syed Zafaryab	0331-4299994
4.	Islamabad-Karachi, Core Sites Replication Link	FBR House, Islamabad & Customs House, Karachi	ISB to KHI	North	Islamabad	Core ISB & Core KHI	DPLC	DPLC	150 Mbps	Core Site	Mazhar Iqbal	3325164759

Sr. No	Site Name	Site Address	City	Zone	Province	Site Type	Last Mile		Bandwidth	Nodes	POC	Contact Number
							Primary	Secondary	CIR Mbps			
5.	I-9 to Custom House KHI (Replication Link A)	Plot 156, STP I-9 Islamabad & 9th Floor Custom House Karachi	ISB to KHI	North	Islamabad	Core ISB & Core KHI	DPLC	DPLC	100 Mbps	Core Site	Fakhar Sharif	3225098605
6.	Karachi, Directorate of Training Customs (DOT)	Old Customs House, Near KPT, Karachi	Karachi	South	Sindh	Access Local	Fiber	Fiber	4 Mbps	100	Nabi baksh	0300-3591055
7.	Karachi, MODEL SALES TAX HOUSE.	Model Sales Tax House, Near Askari Park, Karachi.	Karachi	South	Sindh	Access MAN	Fiber	Fiber	4 Mbps	90	Tariq Nazir	0364-5095747, 99231255
8.	Karachi, RTO-III NIPA KARACHI.	ST-18, Gulshan-e-Iqbal, Block-6, NIPA, Karachi.	Karachi	South	Sindh	Access MAN	Fiber	Fiber	8 Mbps	105	Aftab	0300-7028069
9.	Karachi, RTO (Income Tax Building),	Tax House, Shahrah-e-Kamal Attaturk, Opp. Sindh Secretariat, Karachi	Karachi	South	Sindh	Access MAN	Fiber	Fiber	20 Mbps	850	Asif Awan	0300-2118427

Sr. No	Site Name	Site Address	City	Zone	Province	Site Type	Last Mile		Bandwidth	Nodes	POC	Contact Number
							Primary	Secondary	CIR Mbps			
10.	Karachi, RTO-III JAUHAR KARACHI	Gulistan-e-Jauhar, Block-15 near Johar Chowrangi, Karachi	Karachi	South	Sindh	Access MAN	Fiber	Fiber	16 Mbps	270	Yasir	0333-2188677
11.	Karachi, LTU	PRC Towers, 32-A, Lalazar Drive, M.T. Khan road Karachi, Karachi	Karachi	South	Sindh	Access MAN	Fiber	Fiber	16 Mbps	350	Asad Ali Qazi	0322-2576749
12.	Karachi, KICT WEOC,	Karachi International Container Terminal, West Wharves, Karachi.	Karachi	South	Sindh	Access MAN	Fiber	Fiber	4 Mbps	10	Faisal Shamshad	0345-2117948
13.	Karachi, PICT WEOC,	Pakistan International Container Terminal, Kemari, East Wharves, Karachi	Karachi	South	Sindh	Access MAN	Fiber	Fiber	4 Mbps	15	Faisal Shamshad	0345-2117948

Sr. No	Site Name	Site Address	City	Zone	Province	Site Type	Last Mile		Bandwidth	Nodes	POC	Contact Number
							Primary	Secondary	CIR Mbps			
14.	Quetta, Custom House	Airport Road, Quetta	Quetta	South	Baluchistan	Access MAN	Fiber	Fiber	8 Mbps	90	Ahad	0332-7955070
15.	Quetta, AFU	Airport Road, Quetta	Quetta	South	Baluchistan	Access Remote	Fiber	Fiber	4 Mbps	35	Ahad	0332-7955070
16.	Quetta, Railway Dry port	Railway Station Quetta	Quetta	South	Baluchistan	Access Remote	Fiber	Wireless	2 Mbps	15	Ahad	0332-7955070
17.	Quetta, NLC Dry port	NLC Dry Port Quetta	Quetta	South	Baluchistan	Access MAN	Fiber	Fiber	4 Mbps	30	Noor Mohammad	0333-7817275
18.	Quetta, RTO	Income Tax Building, Spiny Road, Quetta	Quetta	South	Baluchistan	Access MAN	Fiber	Fiber	8 Mbps	150	Noman Latif	0333-7817275
19.	Sukkur, Custom House / Dry port	Shikarpur Road near Sabzi Mandi Sukkur	Sukkur	South	Sindh	Access Remote	Fiber	Fiber	6 Mbps	50	Ahsanullah Soomro	0321-3132583
20.	Sukkur, RTO	Income Tax Office Queens Road Sukkur	Sukkur	South	Sindh	Access MAN	Fiber	Fiber	8 Mbps	130	Ahsanullah Soomro	0321-3132583
21.	Gwadar Custom House,	Old: Gwadar Deep Sea Port, Baluchistan New: Customs Block Security	Gwadar	South	Baluchistan	Access Remote	Fiber/Wireless	Wireless	10 Mbps	40	Tanvir	0334-2785096

Sr. No	Site Name	Site Address	City	Zone	Province	Site Type	Last Mile		Bandwidth	Nodes	POC	Contact Number
							Primary	Secondary	CIR Mbps			
		Building, Gwadar										
22.	HUB Sales Tax	Civic Center, District Hub, Baluchistan	Hub	South	Baluchistan	Access MAN	Fiber	Fiber	2 Mbps	20	Faisal Shamshad	0345-2117948
23.	Hyderabad, Custom House	A-49 Site Area Hyderabad	Hyderabad	South	Sindh	Access MAN	Fiber	Fiber	6 Mbps	80	Zohaib Hameed	0334-1309237
24.	Hyderabad, RTO	A-49 RTO Site Area Hyderabad	Hyderabad	South	Sindh	Access MAN	Fiber	Fiber	12 Mbps	250	Mohsin	0331-2905694
25.	Hyderabad, NLC Dry port	Opposite Agha Khan Hospital Jamshoro Road Hyderabad	Hyderabad	South	Sindh	Access	Fiber	Fiber	4 Mbps	20	Waheedullah Khan	0336-3035327
26.	CTO Lahore	RTO (Income Tax House), Nabha Road Lahore	Lahore	Central	Punjab	Access	Fiber	Fiber	20 Mbps	520	Anwar Shah	3217923673
27.	LTO Lahore	6th Floor LTU (Income Tax	Lahore	Central	Punjab	Access	Fiber	Fiber	16 Mbps	325	Nadeem Ahmad	3009885165

Sr. No	Site Name	Site Address	City	Zone	Province	Site Type	Last Mile		Bandwidth	Nodes	POC	Contact Number
							Primary	Secondary	CIR Mbps			
		House), Nabha Road Lahore										
28.	Badini Check Post & Custom Station	Custom Station Badini	Quetta	South	Baluchistan	Access	Fiber/Wireless	Wireless	2 Mbps	10	Noor Mohammad	0333-7817275
29.	Lahore, RTO Lahore Building III, Bilour Palace	29 Macload Road, Lahore	Lahore	Central	Punjab	Access	Fiber	Fiber	10 Mbps	180	Amir Munir	3374848288
30.	Lahore, DOT	57 Sutlaj Block, Allama Iqbal Town, Lahore.	Lahore	Central	Punjab	Access	Fiber	Fiber	12 Mbps	270	Mazhar Javed	3334084409
31.	Lahore, MCC Zone A (Custom) & MCC Lahore Zone B (RTO-2)	Custom House Nabha Road Lahore	Lahore	Central	Punjab	Access	Fiber	Fiber	20 Mbps	450	Kashif Shabbir	3214939757
32.	Lahore, NLC Dry Port	HQ Dry port NLC Thokar Niaz Beg Lahore	Lahore	Central	Punjab	Distribution for Dry Port Area	Fiber	Fiber	6 Mbps	65	Ihtisham ud Duala	3236777780

Sr. No	Site Name	Site Address	City	Zone	Province	Site Type	Last Mile		Bandwidth	Nodes	POC	Contact Number
							Primary	Secondary	CIR Mbps			
33.	Lahore, AFU	Allam Iqbal Airport Cargo Lahore	Lahore	Central	Punjab	Distribution for Airport Area	Fiber	Fiber	6 Mbps	90	Shahbaz Ali	3004307737
34.	Lahore, Mughulpura Dry Port	Railway Dry port, Mughulpura Lahore	Lahore	Central	Punjab	Distribution for Dry Port Area	Fiber	Fiber	10 Mbps	180	Tariq Mahmood	3214289181
35.	Lahore, Wagah Border Custom Check Post	Custom Check Post Wahga Border Lahore	Lahore	Central	Punjab	Access \ Access - Distribution	Fiber	Fiber	6 Mbps	50	Muhammad Atif	321 4228281
36.	Lahore, Wagah Border Custom Block New Passenger	Custom Block, New Passenger Building & Bank	Lahore	Central	Punjab	Access MAN	Fiber	Fiber	2 Mbps	5	Muhamamd Atif	321 4228281
37.	Lahore, Directorate of Intelligence & Investigation (IR) - First Office	83 Baber Block, New Town Garden Lahore	Lahore	Central	Punjab	Access	Fiber	Fiber	6 Mbps	50	Maqsood Hussain	3008011722

Sr. No	Site Name	Site Address	City	Zone	Province	Site Type	Last Mile		Bandwidth	Nodes	POC	Contact Number
							Primary	Secondary	CIR Mbps			
38.	Lahore, Directorate of Intelligence & Investigation (IR) – Chief Office	90-Tariq Block, New Garden Town Lahore	Lahore	Central	Punjab	Access	Fiber	Fiber	4 Mbps	35	Ali Aziz	3214032818
39.	Directorate of I&I (IR) Multan	I & I Office Multan	Multan	Central	Punjab	Access	Fiber	Fiber	6 Mbps	80	Muhammad Shoaib Kanwar	0333-6107119
40.	Gujranwala, RTO Building-I	G.T Road, Opp. Gulshan Colony, Gujranwala	Gujranwala	Central	Punjab	Distribution for RTO Gujranwala	Fiber	Fiber	16 Mbps	320	Hafiz Ali Raza	3028081824
41.	Gujranwala, Directorate of Internal Customs Rahwali	Gujranwala Rahwali GT Road	Gujranwala	Central	Punjab	Access	Fiber	Fiber	2 Mbps	30	Hafiz Ali Raza	3028081824
42.	Sialkot, RTO	RTO, Kachehry Road, Sialkot	Sialkot	Central	Punjab	Access	Fiber	Fiber	12 Mbps	190	Muhammad Imran	3214128312
43.	Sambrial, MCC / Dry port	Sambrial Dry Port, Sambrial	Sialkot	Central	Punjab	Access	Fiber	Fiber	8 Mbps	120	Basharat Ali	342 4861617

Sr. No	Site Name	Site Address	City	Zone	Province	Site Type	Laste Mile		Bandwidth	Nodes	POC	Contact Number
							Primary	Secondary	CIR Mbps			
44.	Sialkot, MCC Sambrial New Building	MCC Sambrial New Building	Sialkot	Central	Punjab	Access - Distribution	Fiber	Fiber	6 Mbps	92	Basharat Ali	342 4861617
45.	Sialkot, MCC Sambrial Old Trust	MCC Sambrial Old Trust	Sialkot	Central	Punjab	Access MAN	Fiber	Fiber	2 Mbps	20	Basharat Ali	342 4861617
46.	Sialkot, AFU Sialkot - Gate House	Sialkot International Airport, Sialkot	Sialkot	Central	Punjab	Distribution for Airport Area	Fiber	Fiber	4 Mbps	92	Basharat Ali	342 4861617
47.	Multan, RTO Multan Building-I	RTO Building-I LMQ Road Multan	Multan	Central	Punjab	Access	Fiber	Fiber	20 Mbps	450	SH M Amer	0300-6303528
48.	LTO Multan	LMQ Road Multan	Multan	Central	Punjab	Access	Fiber	Fiber	16 Mbps	320	Muhammad Tuaseef Khan	0322-6171511
49.	Multan, Dry port	Customs Dry port, Shershab Bypass Multan	Multan	Central	Punjab	Access	Fiber	Fiber	4 Mbps	30	Mohsin Bilal	0333-7921236
50.	Multan, Custom House,	Custom house LMQ Road Multan	Multan	Central	Punjab	Distribution for Custom House Area	Fiber	Fiber	10 Mbps	160	Abdul Raafay	0333-6217689

Sr. No	Site Name	Site Address	City	Zone	Province	Site Type	Last Mile		Bandwidth	Nodes	POC	Contact Number
							Primary	Secondary	CIR Mbps			
51.	Multan, AFU	Old Address: Airport Multan New Address: New Room AFU Multan	Multan	Central	Punjab	Access	Fiber	Fiber	2 Mbps	20	Abdul Raafay	0333-6217689
52.	Multan, Directorate of Intelligence (Custom)	H # 4, Opposite Edhi Village, Rajapur, Opposite BZ University, Textile Campus, Multan	Multan	Central	Punjab	Access	Fiber	Fiber	2 Mbps	15	Muhammad Shoaib Kanwar	0333-6107119
53.	Faisalabad, RTO	Regional Tax Office (RTO), Jail Road Faisalabad	Faisalabad	Central	Punjab	Access	Fiber	Fiber	20 Mbps	450	Amjad Farooq	0321-5999026
54.	Faisalabad, Dry port	Custom House Dry port, Jhumra Road near Ghatti Station Faisalabad	Faisalabad	Central	Punjab	Distribution for Dry Port Area	Fiber	Fiber	10 Mbps	160	Amjad Farooq	0321-5999026
55.	Faisalabad, AFU	Custom Office Airport Faisalabad	Faisalabad	Central	Punjab	Access	Fiber	Fiber	4 Mbps	20	Amjad Farooq	0321-5999026

Sr. No	Site Name	Site Address	City	Zone	Province	Site Type	Laste Mile		Bandwid th	Nod es	POC	Contact Number
							Primary	Seconda ry	CIR Mbps			
56.	Faisalabad, Directorate of Intelligence Custom	House 450 Amin Town West Canal Road	Faisalaba d	Centr al	Punjab	Access	Fiber	Fiber	2 Mbps	10	Amjad Farooq	0321- 5999026
57.	Bahawalpur, RTO (Chen One)	RTO Inam Center Muhammad Bin Qasim Rd Model Town A, Bahawalpur	Bahawalp ur	Centr al	Punjab	Distributi on for RTO Bahawalp ur	Fiber	Fiber	10 Mbps	150	Jawad Ahmad Hashmi	0311- 4197666
58.	Bahawalpur, RTO BLD-II (CC Office)	21-A Sarwar Shaheed Road Model Town A, Bahawalpur	Bahawalp ur	Centr al	Punjab	Access MAN	Fiber	Fiber	6 Mbps	70	Naveed Hanif	0301- 4883115
59.	Sargodha, RTO	University Road Opp. Mobilink Office RTO Sargodha	Sargodha	Centr al	Punjab	Access	Fiber	Fiber	10 Mbps	200	Rana M. Imran	0301- 4877986
60.	RTO Sahiwal	Income Tax Complex, Canal Colony, Opp. Sahiwal Officers Club	Sahiwal	Centr al	Punjab	Access	Fiber	Fiber	6 Mbps	80	M Habib Arshad	0334- 9941845

Sr. No	Site Name	Site Address	City	Zone	Province	Site Type	Laste Mile		Bandwid th	Nod es	POC	Contact Number
							Primary	Seconda ry	CIR Mbps			
61.	Rahim Yar Khan, Inland Revenue Office	Income Tax Complex Abu Zahbi Road Rahim Yar Khan	Rahim Yar Khan	Centr al	Punjab	Access	Fiber	Fiber	4 Mbps	40	Nouman Ali	0333-7616883
62.	Sheikhupura, Inland Revenue Office	17 Shershah Road, Civil Lines, Sheikhupura	Sheikhupura	Centr al	Punjab	Access	Fiber	Fiber	2 Mbps	15	Amir Munir	0337-4848288
63.	Gujrat, Inland Revenue Office	Dyme Center, Purana GT Road Near Allied school opposite super CNG Gujrat.	Gujrat	Centr al	Punjab	Access	Fiber	Fiber	2 Mbps	40	Muhammad Imran Khan	3214128312
64.	Islamabad, LTU	Mauve Area, G-9, Islamabad	Islamabad	North	Islamaba d	Access	Fiber	Fiber	12 Mbps	200	Muhammad Imran	0314-5781109
65.	Islamabad, RTO	Mauve Area, G-9, Islamabad plot 20 4th Floor	Islamabad	North	Islamaba d	Access	Fiber	Fiber	16 Mbps	260	M.IRFAN ALI	0345-5287774
66.	Rawalpindi, RTO	Katchehri Chowk, Rawalpindi	Rawalpin di	North	Punjab	Access	Fiber	Fiber	16 Mbps	350	Muhammad Shahid	0345-5446609

Sr. No	Site Name	Site Address	City	Zone	Province	Site Type	Laste Mile		Bandwid th	Nod es	POC	Contact Number
							Primary	Seconda ry	CIR Mbps			
67.	Islamabad, FBR HOUSE Block -III	Old CBR building, sector G-6, Islamabad	Islamabad	North	Islamaba d	Access	Fiber	Fiber	10 Mbps	200	syed aamir hussain	0321- 5273761
68.	Islamabad, MCC	Mauve Area, G-9, Islamabad	Islamabad	North	Islamaba d	Access	Fiber	Fiber	12 Mbps	220	Zahid Nazir	3335158563
69.	Islamabad, Margalla Dry port	Opposite I-9 Industrial Area, Islamabad	Islamabad	North	Islamaba d	Access	Fiber	Fiber	6 Mbps	80	Ali Raza	3335447727
70.	Islamabad, Custom Intelligence HQ	Mauve Area, G-9, Islamabad	Islamabad	North	Islamaba d	Access	Fiber	Fiber	8 Mbps	100	Mudassir Ameer	3333815602
71.	Islamabad, AFU Islamabad	New Islamabad Airport	Islamabad	North	Islamaba d	Access	Fiber	Fiber	6 Mbps	75	Mohammad Sherjeel/Mr Majid Manzoor	0321- 5611735/ 0333- 5314476
72.	Abbottabad, RTO	Regional Tax Office, Opposite Lady Park Abbottabad.	Abbottaba d	North	KPK	Access	Fiber	Fiber	12 Mbps	200	Yasir Khan	3349555074

Sr. No	Site Name	Site Address	City	Zone	Province	Site Type	Last Mile		Bandwidth	Nodes	POC	Contact Number
							Primary	Secondary	CIR Mbps			
73.	Abbottabad, RTO (Jinnah Abad Camp Office)	CB#27, Gulistan Colony Abbottabad. Old Add: H # 221, Street # 1, Jinnah Abad, Mandian Abbottabad.	Abbottabad	North	KPK	Access	Fiber	Fiber	2 Mbps	10	Yasir Khan	3349555074
74.	Peshawar, RTO	Regional Tax Office, Jamrud Road Peshawar.	Peshawar	North	KPK	Access	Fiber	Fiber	16 Mbps	350	Asif Ali Khan	3109677743
75.	Peshawar, MCC	Custom House, Jamrud Road Peshawar.	Peshawar	North	KPK	Access Local	Fiber	Fiber	8 Mbps	170	Sardar Ali Khan	3169724500
76.	Torkham, CFC	CFC Torkham	Torkham	North	GB	Access Remote	Fiber	Wireless	8 Mbps	60	Abdul Ghafoor	3446202648
77.	Sust, CFC	Gilgit, Sust	Sust	North	GB	Access Remote	Fiber	Wireless	6 Mbps	60	Riaz Ahmed	3455958309
78.	Peshawar, Dry Port	Custom Dry Port, Railway Station Peshawar	Peshawar	North	KPK	Access	Fiber	Fiber	6 Mbps	70	Faisal Nadeem	3149744470

Sr. No	Site Name	Site Address	City	Zone	Province	Site Type	Laste Mile		Bandwid th	Nod es	POC	Contact Number
							Primary	Seconda ry	CIR Mbps			
79.	Peshawar, AFU	CFC Peshawar International Air Port Peshawar	Peshawar	North	KPK	Access	Fiber	Fiber	6 Mbps	50	Aslam Khan	3349446422
80.	Lahore, Directorate of Intelligence,	Jahanzeb Block Opp. Noorani Masjid Al Town Lahore	Lahore	Centr al	Punjab	Access	Fiber	Fiber	6 Mbps	60	Nasir Hussain Shah	3214517692
81.	Raiwind, NLC Jiabagah	Opp. Japan Power Jia bagga Raiwind	Lahore	Centr al	Punjab	Distributi on for Jiabagh Area	Fiber	Fiber	4 Mbps	35	Ihtisham ud Duala	3236777780
82.	Lahore, Railway T-10	Opposite Total Petrol Pump, Chamra Mandi G.T. Road Lahore	Lahore	Centr al	Punjab	Access	Fiber	Fiber	4 Mbps	25	Tariq Mahmood	3214289181
83.	Lahore, Dp World (Prem Nagar - Custom block)	DP World (Prem Nagar) Manga Road, Raiwind	Lahore	Centr al	Punjab	Distributi on for DP World Area	Fiber	Fiber	6 Mbps	70	Ghulam Muhammad Mustafa	334 7708000

Sr. No	Site Name	Site Address	City	Zone	Province	Site Type	Last Mile		Bandwidth	Nodes	POC	Contact Number
							Primary	Secondary	CIR Mbps			
84.	Karachi, AFU Export	Cargo Complex(Export), JIAP, Karachi	Karachi	South	Sindh	Distribution for Airport Area	Fiber	Fiber	2 Mbps	15	Jahangir	0332-1201611
85.	Karachi, AFU Export Examination	Cargo Complex(Export), JIAP, Karachi	Karachi	South	Sindh	Access MAN	Fiber	Fiber	2 Mbps	15	Jahangir	0332-1201611
86.	Karachi, AFU Imports	AFU Import	Karachi	South	Sindh	Access MAN	Fiber	Fiber	10 Mbps	30	Jahangir	0332-1201611
87.	Karachi, EPZ Custom House	Export Processing Zone, Karachi	Karachi	South	Sindh	Distribution for EPZ Area	Fiber	Fiber	2 Mbps	10	Jahangir	0332-1201611
88.	Karachi, EPZ Gate	Export Processing Zone, Karachi	Karachi	South	Sindh	Access MAN	Fiber	Fiber	2 Mbps	10	Jahangir	0332-1201611
89.	Karachi, Port Qasim Custom House	Main Gate, Port Muhammad Bin Qasim, Karachi	Karachi	South	Sindh	Distribution for Port Qasim	Fiber	Fiber	8 Mbps	150	Shahid	0310-2362101
90.	Karachi, PQ CFC	Near QICT (DP-World), Port Qasim Karachi	Karachi	South	Sindh	Access MAN	Fiber	Fiber	2 Mbps	20	Shahid	0310-2362101

Sr. No	Site Name	Site Address	City	Zone	Province	Site Type	Last Mile		Bandwidth	Nodes	POC	Contact Number
							Primary	Secondary	CIR Mbps			
91.	Karachi, PQ IC3	Integrated Cargo Container Control, Port Qasim, Karachi	Karachi	South	Sindh	Access MAN	Fiber	Fiber	2 Mbps	20	Shahid	0310-2362101
92.	Karachi, IC3 Gate	Integrated Cargo Container Control, Port Qasim, Karachi	Karachi	South	Sindh	Access MAN	Fiber	Fiber	2 Mbps	10	Shahid	0310-2362101
93.	Karachi, PQ QICT- Export Entry Gate	Near QICT (DP-World), Port Qasim Karachi	Karachi	South	Sindh	Access MAN	Fiber	Fiber	2 Mbps	5	Shahid	0310-2362101
94.	Karachi, PQ QFS	Qasim Freight Station, Port Qasim, Karachi	Karachi	South	Sindh	Access MAN	Fiber	Fiber	2 Mbps	10	Shahid	0310-2362101
95.	Karachi, QICT Examination - Custom Block	Customs Block, Near QICT (DP-World), Port Qasim Karachi	Karachi	South	Sindh	Access MAN	Fiber	Fiber	6 Mbps	80	Shahid	0310-2362101

Sr. No	Site Name	Site Address	City	Zone	Province	Site Type	Laste Mile		Bandwid th	Nod es	POC	Contact Number
							Primary	Seconda ry	CIR Mbps			
96.	Karachi, Port Qasim Custom House Gate	Main Gate, Port Muhammad Bin Qasim, Karachi	Karachi	South	Sindh	Access MAN	Fiber	Fiber	2 Mbps	5	Shahid	0310-2362101
97.	Karachi, KPT M I Yard CFC	CFC, Under KPT Bridge, West Wharves, Karachi	Karachi	South	Sindh	Access MAN	Fiber	Fiber	2 Mbps	5	Faisal Shamshad	0345-2117948
98.	Karachi, KPT OLD M I Yard Auction Shed	KPT, West Wharves, Karachi	Karachi	South	Sindh	Access MAN	Fiber	Fiber	2 Mbps	5	Khurrum	0331-7399090
99.	Karachi, KPT Central Warehouse	KPT, East Wharves, Karachi	Karachi	South	Sindh	Access MAN	Fiber	Fiber	2 Mbps	5	Faisal Shamshad	0345-2117948
100.	Karachi, AICT	Al-Hamd International Container Terminal, Hawks bay Road, Karachi	Karachi	South	Sindh	Access MAN	Fiber	Fiber	2 Mbps	10	Amjad	0345-2538012
101.	Karachi, NLC Container Terminal	Near US Consulate, Mai Kolachi, Karachi	Karachi	South	Sindh	Access MAN	Fiber	Fiber	2 Mbps	10	Khurrum	0331-7399090

Sr. No	Site Name	Site Address	City	Zone	Province	Site Type	Last Mile		Bandwidth	Nodes	POC	Contact Number
							Primary	Secondary	CIR Mbps			
102.	Karachi, Pak Shaheen	KPT, East Wharves, Kemari, Karachi	Karachi	South	Sindh	Access MAN	Fiber	Fiber	2 Mbps	20	Faisal Shamshad	0345-2117948
103.	Karachi, BOML	Near ICI Factory, West Wharves, Karachi	Karachi	South	Sindh	Access MAN	Fiber	Fiber	2 Mbps	10	Khurram	0331-7399090
104.	Karachi, PSO Oil Section Kemari	Oil Terminal, East Wharves, Kemari, Karachi	Karachi	South	Sindh	Access MAN	Fiber	Fiber	2 Mbps	10	Khurram	0331-7399090
105.	Karachi, KPT Lloyd's Gate	KPT, West Wharves, Karachi	Karachi	South	Sindh	Access MAN	Fiber	Fiber	2 Mbps	5	Faisal Shamshad	0345-2117948
106.	Karachi, KPT NOB GATE	KPT, East Wharves, Kemari, Karachi	Karachi	South	Sindh	Access MAN	Fiber	Fiber	2 Mbps	5	Khurram	0331-7399090
107.	Karachi, KPT Mohiuddin Gate	KPT, West Wharves, Karachi	Karachi	South	Sindh	Access MAN	Fiber	Fiber	2 Mbps	20	Faisal Shamshad	0345-2117948
108.	Karachi, KPT Ghas Bandar	KPT, East Wharves, Kemari, Karachi	Karachi	South	Sindh	Access MAN	Fiber	Fiber	2 Mbps	10	Faisal Shamshad	0345-2117948

Sr. No	Site Name	Site Address	City	Zone	Province	Site Type	Last Mile		Bandwidth	Nodes	POC	Contact Number
							Primary	Secondary	CIR Mbps			
109.	Karachi, Directorate of Intelligence	Old Sales Tax Building, Mehmoodabad , Karachi	Karachi	South	Sindh	Access MAN	Fiber	Fiber	4 Mbps	40	Khurram	0331-7399090
110.	Khurkhera, Custom Check post	Main Quetta-Karachi Highway, Near Uthal, Baluchistan	Khurkhera	South	Baluchistan	Access Remote	Fiber/Wireless	Wireless	2 Mbps	10	Noor Mohammad	0333-7817275
111.	Ormara, Custom Station	Custom Check post Ormara Port, Baluchistan	Ormara	South	Access Remote	Fiber	Fiber/Wireless	Wireless	2 Mbps	10	Tanvir	0334-2785096
112.	Quetta, Directorate of Intelligence	Jinnah Town Adjacent to Police station	Quetta	South	Access MAN	Fiber	Fiber	Wireless	4 Mbps	50	Ahad	0332-7955070
113.	Sukkur, Directorate of Intelligence	Shikarpur Road near Sabzi Mandi Sukkur	Sukkur	South	Access Remote	Fiber	Fiber	Wireless	4 Mbps	50	Ahsanullah Soomro	0321-3132583
114.	Hyderabad, Directorate of Intelligence	A-49 Site Area Hyderabad	Hyderabad	South	Access Remote	Fiber	Fiber	Wireless	4 Mbps	50	Ahsanullah Soomro	0321-3132583
115.	Taftan, Custom House	Customs Station, Pak-Iran Border,	Taftan	South	Access Remote	Fiber	Fiber	Wireless	8 Mbps	45	Shabbir Ahmed	0333-7913268

Sr. No	Site Name	Site Address	City	Zone	Province	Site Type	Last Mile		Bandwidth	Nodes	POC	Contact Number
							Primary	Secondary	CIR Mbps			
		Taftan, Baluchistan										
116.	NLC Taftan	Customs Station, Pak-Iran Border, Taftan, Baluchistan	Taftan	South	Access Remote	Fiber	Fiber	Wireless	4 Mbps	25	Shabbir Ahmed	0333-7913268
117.	Chaman, Border/ CFC	Customs Station, Pak-Afghan Border, Chaman, Baluchistan	Chaman	South	Access Remote	Fiber	Fiber	Wireless	4 Mbps	20	Abdul Wadood	0300-2300821
118.	Chaman, City Custom House	Customs House, Chaman City, Baluchistan	Chaman	South	Access Remote	Fiber	Fiber	Wireless	6 Mbps	50	Abdul Wadood	0300-2300821
119.	Gadani, Custom House	Customs House Gadani, Baluchistan	Gadani	South	Baluchistan	Access Remote	Fiber/Wireless	Wireless	2 Mbps	20	Tanvir	0334-2785096
120.	Gwadar, Director Intelligence	Customs Station Gwadar, Baluchistan	Gwadar	South	Baluchistan	Access Remote	Fiber	Wireless	4 Mbps	25	Tanvir	0334-2785096

Sr. No	Site Name	Site Address	City	Zone	Province	Site Type	Last Mile		Bandwidth	Nodes	POC	Contact Number
							Primary	Secondary	CIR Mbps			
121.	Kharlachi Custom Dry port	Kharlachi Customs Dry Port PAK-Afghan Border, near Parachinar	Parachinar	North	KPK	Access Remote	Fiber/Wireless	Wireless	2 Mbps	10	Asif Ali Khan	3109677743
122.	Badin, INLAND REVENUE OFFICE	Income Tax Office Near Police Headquarter Badin	Badin	South	Sindh	Access Remote	Fiber/Wireless	Wireless	2 Mbps	20	Waheedullah Khan	0336-3035327
123.	Dadu, INLAND REVENUE OFFICE	Income Tax Office Hyderabad Road Dadu	Dadu	South	Sindh	Access Remote	Fiber	Wireless	2 Mbps	20	Waheedullah Khan	0336-3035327
124.	Ghotki, INLAND REVENUE OFFICE	Income Tax Office Lakhan Mohalla Ghotki	Ghotki	South	Sindh	Access Remote	Fiber	Wireless	2 Mbps	20	Waheedullah Khan	0336-3035327
125.	Jacobabad, INLAND REVENUE OFFICE	Income Tax Office Quetta Road Jacobabad	Jacobabad	South	Sindh	Access Remote	Fiber	Wireless	2 Mbps	20	Waheedullah Khan	0336-3035327
126.	Khairpur, INLAND REVENUE OFFICE	Income Tax Office Near Railway	Khairpur	South	Sindh	Access Remote	Fiber	Wireless	2 Mbps	20	Waheedullah Khan	0336-3035327

Sr. No	Site Name	Site Address	City	Zone	Province	Site Type	Laste Mile		Bandwid th	Nod es	POC	Contact Number
							Primary	Seconda ry	CIR Mbps			
		Phatak Jail Road Khairpur										
127.	Larkana, INLAND REVENUE OFFICE	Income Tax Office wagan Road Larkana	Larkana	South	Sindh	Access Remote	Fiber	Wireless	2 Mbps	20	Waheedulla h Khan	0336- 3035327
128.	Mirpurkhas, INLAND REVENUE OFFICE	Income Tax Office Satellite Town Mirpurkhas	Mirpurkh as	South	Sindh	Access Remote	Fiber	Fiber/ Wireless	2 Mbps	20	Waheedulla h Khan	0336- 3035327
129.	Nawabshah, INLAND REVENUE OFFICE	Income Tax Office society Nawabshah	Nawabsha h	South	Sindh	Access Remote	Fiber	Wireless	2 Mbps	20	Waheedulla h Khan	0336- 3035327
130.	Sangher, INLAND REVENUE OFFICE	Income Tax Office Sinjhor Road Sanghar	Sanghar	South	Sindh	Access Remote	Fiber	Wireless	2 Mbps	20	Waheedulla h Khan	0336- 3035327
131.	Shikarpur, Inland Revenue Office	Income Tax Office Sukkur Road Shikarpur	Shikarpur	South	Sindh	Access Remote	Fiber	Fiber/ Wireless	2 Mbps	20	Waheedulla h Khan	0336- 3035327
132.	Sibi, Inland Revenue Office	Income Tax Office, Sibi	Sibi	South	Balochist an	Access Remote	Fiber	Wireless	2 Mbps	20	Waheedulla h Khan	0336- 3035327

Sr. No	Site Name	Site Address	City	Zone	Province	Site Type	Last Mile		Bandwidth	Nodes	POC	Contact Number
							Primary	Secondary	CIR Mbps			
133.	Thatta, Inland Revenue Office	Income Tax Office Jugshahi Road Makli Thatta	Thatta	South	Sindh	Access Remote	Fiber	Wireless	2 Mbps	20	Waheedullah Khan	0336-3035327
134.	Inland Revenue Office Haripur	Naseem Town, H#1, Saleh Street, Hattar Road Near Swat Chowk, Haripur	Haripur	North	KPK	Access Remote	Fiber	Wireless	2 Mbps	20	Yasir Khan	3349555074
135.	Inland Revenue Office Mansehra	Tax Facilitation Centre (Income Tax Office) Mansehra	Mansehra	North	KPK	Access Remote	Fiber	Wireless	2 Mbps	20	Yasir Khan	3349555074
136.	Karachi, KICT IN Gate	KICT Customs IN Gate Karachi	Karachi	South	Sindh	Access MAN	Fiber	Fiber	2 Mbps	20	Faisal Shamshad	0345-2117948
137.	Karachi, CL Export Entry Gate	CL Export Entry Gate, KPT East Wharf: Serial # 18	Karachi	South	Sindh	Access MAN	Fiber	Fiber	2 Mbps	20	Faisal Shamshad	0345-2117948
138.	Inland Revenue	Opposite Railway Station,	Mardan	North	KPK	Access MAN	Fiber	Wireless	2 Mbps	20	Asif Ali Khan	3109677743

Sr. No	Site Name	Site Address	City	Zone	Province	Site Type	Last Mile		Bandwidth	Nodes	POC	Contact Number
							Primary	Secondary	CIR Mbps			
	Office Mardan	Nowshera Road Mardan										
139.	Custom office, Abbottabad	DC Custom Office Mansehra road Abbottabad	Abbottabad	North	KPK	Access MAN	Fiber	Fiber	2 Mbps	10	Yasir Khan	3349555074
140.	Custom Office, Kohat	Custom Division Kohat	Kohat	North	KPK	Access Remote	Fiber/Wireless	Wireless	2 Mbps	10	Sardar Ali Khan	3169724500
141.	Custom Station Gilgit	MCC Gilgit/Baltistan, Jutial khomer near Army Public School Gilgit	Gilgit	North	GB	Access Remote	Fiber/Wireless	Wireless	6 Mbps	70	Yaqoob Karim	3469749096
142.	Custom Station, Kharlachi	Superintendent Kharlachi 35 custom division Kohat cantt Kohat	Kharlachi	North	KPK	Access Remote	Fiber/Wireless	Wireless	4 Mbps	15	Sardar Ali Khan	3169724500
143.	Customs Jiwani Custom Station	Jiwani Customs Post, Coastal Area, Jiwani	Jiwani	South	Baluchistan	Access Remote	Fiber/Wireless	Wireless	2 Mbps	10	Tanvir	0334-2785096

Sr. No	Site Name	Site Address	City	Zone	Province	Site Type	Last Mile		Bandwidth	Nodes	POC	Contact Number
							Primary	Secondary	CIR Mbps			
144.	Dalbandin Check Post & Customs Station	Dalbandin.	Dalbandin	South	Baluchistan	Access Remote	Fiber	Wireless	4 Mbps	10	Noor Mohammad	0335-0342535
145.	Directorate of Internal Audit IR	P-148/D Muslim Town No 1 Sargodha Road	Faisalabad	Central	Punjab	Access MAN	Fiber	Fiber	4 Mbps	35	Jawad Hassan	0311-8889925
146.	Gate Dry port Sust	Gate Dry port Sust	Sust	North	GB	Access Remote	Fiber/Wireless	Wireless	2 Mbps	5	Riaz Ahmed	3455958309
147.	Gate, Torkham border station	Gate, Torkham border station	Torkham	North	KPK	Access Remote	Fiber	Wireless	2 Mbps	5	Abdul Ghafoor	3446202648
148.	RTO II Civil Lines Office, Hyderabad	Bungalow No. 184, Tariq Road, Civil Lines, Hyderabad	Hyderabad	South	Punjab	Access MAN	Fiber	Fiber	4 Mbps	35	Mansoor Ali	0300-9770367
149.	PQ Fast Track Custom Block	Fast Track Terminal, Port Qasim Karachi	Karachi	South	Sindh	Access MAN	Fiber	Fiber/Wireless	2 Mbps	10	Shahid	0310-2362101
150.	PQ MTO Custom Block	Modern Terminal Operator, Port Qasim Karachi	Karachi	South	Sindh	Access MAN	Fiber	Fiber/Wireless	2 Mbps	10	Shahid	0310-2362101

Sr. No	Site Name	Site Address	City	Zone	Province	Site Type	Last Mile		Bandwidth	Nodes	POC	Contact Number
							Primary	Secondary	CIR Mbps			
151.	PQ Pak Shaheen Custom Block	Pak Shaheen Terminal, Port Qasim Karachi	Karachi	South	Sindh	Access MAN	Fiber	Fiber/ Wireless	2 Mbps	10	Shahid	0310- 2362101
152.	Regional Directorate Intelligence & Investigation Customs	Plot#21 Phase#7 St# E8 Hayatabad Peshawar	Peshawar	North	KPK	Access MAN	Fiber	Fiber/ Wireless	4 Mbps	35	Sardar Ali Khan	3169724500
153.	Inland Revenue Office Bahawal Nagar	Tax Office, Bahawalnagar	Bahawal Nagar	Central	Punjab	Access Remote	Fiber/Wireless	Wireless	2 Mbps	20	Hasham Khan	0301- 4883115
154.	Inland Revenue Office Daska	Near Cheema hospital jandu road Daska City	Daska	Central	Punjab	Access Remote	Fiber	Wireless	2 Mbps	20	Muhammad Imran	3214128312
155.	Inland Revenue Office Lodhran	House # 29, Block-C, Al- Noor Garden, Phase-I Near Super Chowk Lodhran	Lodhran	Central	Punjab	Access Remote	Fiber	Wireless	2 Mbps	20	Jawad Ahmad Hashmi	0311- 4197666

Sr. No	Site Name	Site Address	City	Zone	Province	Site Type	Last Mile		Bandwidth	Nodes	POC	Contact Number
							Primary	Secondary	CIR Mbps			
156.	Inland Revenue Office Narowal	Mohallah Abbas Nagar Narowal City	Narowal	Central	Punjab	Access Remote	Fiber	Wireless	2 Mbps	20	Muhammad Imran	3214128312
157.	Inland Revenue Office DG Khan	Office Premises, IP/Inland Revenue Office-5, house no.265 block b khayabane Sarwar near Pak aksaria school, D.G. Khan	DG Khan	Central	Punjab	Access Remote	Fiber/Wireless	Wireless	2 Mbps	20	M Naeem Khan	0322-6817186
158.	Inland Revenue Office Kasur	Yousef Shah Town Khara Road Kasur	Kasur	Central	Punjab	Access Remote	Fiber	Wireless	2 Mbps	20	Amir Munir	0337-4848288
159.	Inland Revenue Office Okara	Tax Office E & C Unit 08, opposite side of Road 06-Y Govt. Colony OKARA	Okara	Central	Punjab	Access MAN	Fiber	Wireless	2 Mbps	20	M Habib Arshad	0334-9941845

Sr. No	Site Name	Site Address	City	Zone	Province	Site Type	Last Mile		Bandwidth	Nodes	POC	Contact Number
							Primary	Secondary	CIR Mbps			
160.	Inland Revenue Office Vehari	Building Number: 197&198, Street No. 07, Block 'N', Sharqi Colony, Vehari.	Vehari	Central	Punjab	Access MAN	Fiber/Wireless	Wireless	2 Mbps	20	M Habib Arshad	0334-9941845
161.	Inland Revenue Office Kotri	Plot No. H-46, SITE, Area, Near Dewan-1 Textile Mill, Kotri.	Kotri	South	Sindh	Access Remote	Fiber/Wireless	Wireless	2 Mbps	20	Waheedullah Khan	0336-3035327
162.	Inland Revenue Office ATTOCK	Tax Facilitation Centre Fateh Jang Chowk Near Malik Shah Nawaz House Attock Cantt	Attock	North	Punjab	Access Remote	Fiber	Wireless	2 Mbps	20	Muhammad Shahid	0345-5446609
163.	Inland Revenue Office Bannu	D.I. Khan Road, Bannu	Bannu	North	KPK	Access Remote	Fiber/Wireless	Wireless	2 Mbps	20	Asif Ali Khan	3109677743

Sr. No	Site Name	Site Address	City	Zone	Province	Site Type	Last Mile		Bandwidth	Nodes	POC	Contact Number
							Primary	Secondary	CIR Mbps			
164.	Inland Revenue Office Bhakar	KOTHI NO.11/B, HOUSING COLONY PHASE-II, NEW GHALLA MANDI ROAD, BHAKKAR	Bhakar	Central	Punjab	Access Remote	Fiber/Wireless	Wireless	2 Mbps	20	Rana M. Imran	0301-4877986
165.	Inland Revenue Office Bhalwal	34- Satellite Town Bhalwal	Bhalwal	Central	Punjab	Access Remote	Fiber	Wireless	2 Mbps	20	Rana M. Imran	0301-4877986
166.	Inland Revenue Office Hafizabad	Office of Deputy Commissioner Inland Revenue, Ali pur road Hafiz Abad	Hafizabad	Central	Punjab	Access Remote	Fiber	Wireless	2 Mbps	20	Hafiz Ali Raza	3028081824
167.	Inland Revenue Office CHAKWAL	Tax Facilitation Centre Talagang Road, Chakwal	Chakwal	Central	Punjab	Access Remote	Fiber	Wireless	2 Mbps	20	Muhammad Shahid	0345-5446609

Sr. No	Site Name	Site Address	City	Zone	Province	Site Type	Last Mile		Bandwidth	Nodes	POC	Contact Number
							Primary	Secondary	CIR Mbps			
168.	Inland Revenue Office Charsadda	Opposite Railway Station, Quaid Abad, No.2 Mardan Road, Charsadda	Charsadda	North	KPK	Access Remote	Fiber/Wireless	Wireless	2 Mbps	20	Asif Ali Khan	3109677743
169.	Inland Revenue Office D.I.Khan	Inland Revenue Office (Newly Constructed Building), Daraban Road, D.I.Khan	D.I Khan	North	KPK	Access Remote	Fiber/Wireless	Wireless	2 Mbps	20	Asif Ali Khan	3109677743
170.	Inland Revenue Office Jhang	939/1-A, H type Coney Civil Line Jhang	Jhang	Central	Punjab	Access Remote	Fiber	Wireless	2 Mbps	20	Jawad Hassan	0311-8889925
171.	Inland Revenue Office JHELUM	Tax Facilitation Centre Shadab Road, Civil Lines, Jhelum	Jhelum	Central	Punjab	Access Remote	Fiber	Wireless	2 Mbps	20	Muhammad Shahid	0345-5446609
172.	Inland Revenue Office Khushab	Dist. Complex Block 7 Jauharabad (Khushab)	Khushab	Central	Punjab	Access Remote	Fiber	Wireless	2 Mbps	15	Rana M. Imran	0301-4877986

Sr. No	Site Name	Site Address	City	Zone	Province	Site Type	Last Mile		Bandwidth	Nodes	POC	Contact Number
							Primary	Secondary	CIR Mbps			
173.	Inland Revenue Office Kohat	Pindi Road, Kohat	Kohat	North	KPK	Access Remote	Fiber/Wireless	Wireless	2 Mbps	15	Asif Ali Khan	3109677743
174.	Inland Revenue Office Mandi Bahaudin	15/149 Gondal Town, Mandi Bahaudin	Mandi Bahaudin	Central	Punjab	Access Remote	Fiber	Wireless	2 Mbps	20	Rana M. Imran	0301-4877986
175.	Inland Revenue Office Mardan	Inside Punjab, Regiment Centre, Baghdada Mardan	Mardan	North	KPK	Access Remote	Fiber	Wireless	2 Mbps	20	Asif Ali Khan	3109677743
176.	Inland Revenue Office Mianwali	e-330/330-1 Civil Line, Mianwali	Mianwali	Central	Punjab	Access Remote	Fiber	Wireless	2 Mbps	20	Rana M. Imran	0301-4877986
177.	Inland Revenue Office Nowshera	The Mall, Nowshera Cantt	Nowshera	North	KPK	Access Remote	Fiber/Wireless	Wireless	2 Mbps	20	Asif Ali Khan	3109677743
178.	Inland Revenue Office P.D. KHAN	Tax Facilitation, Centre Jhelum Road, Pind Dadan Khan	P.D khan	North	Punjab	Access Remote	Fiber/Wireless	Wireless	2 Mbps	20	Muhammad Shahid	0345-5446609

Sr. No	Site Name	Site Address	City	Zone	Province	Site Type	Last Mile		Bandwidth	Nodes	POC	Contact Number
							Primary	Secondary	CIR Mbps			
179.	Inland Revenue Office Swabi	Amir Plaza, Jahangira road, Swabi	Swabi	North	KPK	Access Remote	Fiber/Wireless	Wireless	2 Mbps	20	Asif Ali Khan	3109677743
180.	Inland Revenue Office Toba Tek Sing	Housing Colony No 1 Opposite District Courts Rajana Road Toba Tek Singh	Toba Tek Singh	Central	Punjab	Access Remote	Fiber	Wireless	2 Mbps	20	Jawad Hassan	0311-8889925
181.	Inland Revenue Office WAH CANTT	Tax Facilitation Centre B-346, Lala Rukh Wah Cantt.	Wah	North	Punjab	Access Remote	Fiber	Wireless	2 Mbps	20	Muhammad Shahid	0345-5446609
182.	Inland Revenue Office Wazirabad	Office of the Assistant Commissioner IR Enforcement and collection unit 9 Arif Shaheed road Wazirabad Dist. Gujranwala.	Wazirabad	Central	Punjab	Access Remote	Fiber	Wireless	2 Mbps	20	Hafiz Ali Raza	3028081824

Sr. No	Site Name	Site Address	City	Zone	Province	Site Type	Last Mile		Bandwidth	Nodes	POC	Contact Number
							Primary	Secondary	CIR Mbps			
183.	Inland Revenue Office Kamoke	Office of Assistant commissioner Inland Revenue Nagri Abbas shah near tehsil office, KAMOKEE	Kamoke	Central	Punjab	Access Remote	Fiber	Wireless	2 Mbps	20	Hafiz Ali Raza	3028081824
184.	Intelligence & Investigation IR	G-8 Islamabad	Islamabad	North	Islamabad	Access MAN	Fiber	Fiber	6 Mbps	60	MUHAMMAD SHAKEEL	0333-5396428
185.	Addl. Directorate of Internal Audit (Inland Revenue)	Income Tax Building, Mansehra Road,	Abbottabad	North	KPK	Access MAN	Fiber	Fiber	2 Mbps	20	Yasir Khan	3349555074
186.	Addl. Directorate of Internal Audit (Inland Revenue)	529-A, Gulistan Colony No 2,	Faisalabad	Central	Punjab	Access MAN	Fiber	Fiber	2 Mbps	20	Jawad Hassan	0311-8889925
187.	Addl. Directorate of Internal Audit	5th Floor Civic centre Thandisarak Hyderabad	Hyderabad	South	Sindh	Access MAN	Fiber	Fiber	2 Mbps	20	Waheedullah Khan	0336-3035327

Sr. No	Site Name	Site Address	City	Zone	Province	Site Type	Laste Mile		Bandwidth	Nodes	POC	Contact Number
							Primary	Secondary	CIR Mbps			
	(Inland Revenue)											
188.	Addl. Directorate of Internal Audit (Inland Revenue)	Canal Road University Town Peshawar	Peshawar	North	KPK	Access MAN	Fiber	Fiber	2 Mbps	20	Asif Ali Khan	3109677743
189.	Addl. Directorate of Internal Audit (Inland Revenue)	Near Benazir Fly over Spinney Road, Quetta	Quetta	South	Baluchistan	Access MAN	Fiber	Wireless	2 Mbps	20	Mubashir	0345-3357430
190.	Addl. Directorate of Internal Audit (Inland Revenue)	B-2, Jaffria Society Airport Road Sukkur	Sukkur	South	Sindh	Access MAN	Fiber	Wireless	2 Mbps	20	Ahsanullah Soomro	0321-3132583
191.	Directorate of Intelligence & Investigation, FBR	Jamaluddin afghani road near ICRC office university town	Peshawar	North	KPK	Access MAN	Fiber	Fiber/Wireless	2 Mbps	20	Asif Ali Khan	3109677743
192.	Directorate of Training &	Satluj Block, Allama Iqbal Town,	Lahore	Central	Punjab	Access MAN	Fiber	Fiber	2 Mbps	30	Mazhar Javed	3334084409

Sr. No	Site Name	Site Address	City	Zone	Province	Site Type	Last Mile		Bandwidth	Nodes	POC	Contact Number
							Primary	Secondary	CIR Mbps			
	Research (Customs)											
193.	Regional Tax Office Building B	Regional Tax Office Building B	Peshawar	North	KPK	Access MAN	Fiber	Fiber	4 Mbps	40	Asif Ali Khan	3109677743
194.	1-Link Office	1 Link Pak Tower Karachi	Karachi	South	Sindh	Access MAN	Fiber	Fiber	4 Mbps	P2P	Amjad	0345-2538012
195.	1-Link Office	Wafaqi Colony Lahore	Lahore	Central	Punjab	Access MAN	Fiber	Fiber	4 Mbps	P2P	Amir Munir	3228059011
196.	PTA Office Islamabad	PTA Office Islamabad	Islamabad	North	Islamabad	Access MAN	Fiber	Fiber	2 Mbps	P2P	Amjad	0345-2538012
197.	FIA Office Islamabad	FIA Office Islamabad	Islamabad	North	Islamabad	Access MAN	Fiber	Fiber	2 Mbps	P2P	Amjad	0345-2538012
198.	Custom Station Angoor Adda	Peshawar	Peshawar	North	KPK	Access MAN	Wireless	Wireless	2 Mbps	10	Sardar Ali Khan	3169724500
199.	Transit Station Torkham	Pak Afghan Border	Peshawar	North	kpk	Access MAN	Fiber	Wireless	2 Mbps	10	Abdul Ghafoor	3446202648
200.	Kohat Tunnel Check Post	Kohat	Peshawar	North	KPK	Access MAN	Wireless	Wireless	2 Mbps	5	Sardar Ali Khan	3169724500

Sr. No	Site Name	Site Address	City	Zone	Province	Site Type	Last Mile		Bandwidth	Nodes	POC	Contact Number
							Primary	Secondary	CIR Mbps			
201.	Customs Station Katager Border (Maskhal)	Mashkhal	Mashkhal	South	Baluchistan	Access MAN	Wireless	Wireless	2 Mbps	5	Tanvir	0334-2785096
202.	Withholding Zone Regional Tax Office Peshawar	House 10-C, 11 Railway Road, University Town, Peshawar	Peshawar	North	KPK	Access MAN	Fiber	Wireless	4 Mbps	30	Asif Ali Khan	3109677743
203.	Inland Revenue Office Noushero Feroz	Office of the Inland Revenue Enforcement Unit-V Near DCO Complex, old main Road	Noushero Feroz	South	Sindh	Access MAN	Fiber/Wireless	Wireless	2 Mbps	20	Waheedullah Khan	0336-3035327
204.	SICTL, Sialkot	Sialkot International Container Terminal Air Port Road Sialkot	Sialkot	Central	Punjab	Access	Fiber	Fiber	4 Mbps	30	Basharat Ali	342 4861617
205.	Inland Revenue	Tax Office, Chiniot	Chiniot	Central	Punjab	Access	Fiber/Wireless	Wireless	2 Mbps	20	Jawad Hassan	0311-8889925

Sr. No	Site Name	Site Address	City	Zone	Province	Site Type	Last Mile		Bandwidth	Nodes	POC	Contact Number
							Primary	Secondary	CIR Mbps			
	Office Chiniot											
206.	Directorate of IOCO (Customs), Lahore	81 Canal View Society Canal Bank Lahore	Lahore	Central	Punjab	Access	Fiber	Fiber	4 Mbps	35	Kashif Shabbir	0321-4939757
207.	Inland Revenue Office Pindi Bhattian	Commissioner Office,Pindi Bhattian	Pindi Bhattian	Central	Punjab	Access	Fiber	Wireless	2 Mbps	20	Hafiz Ali Raza	3028081824
208.	Inland Revenue Office, Chichawatni	Inland Revenue Office, Unit-05, Building No.8, Al-Rehman Town, Burewala Road, Chichawatni.	Chichawatni	Central	Punjab	Access	Fiber/Wireless	Wireless	2 Mbps	20	M Habib Arshad	0334-9941845
209.	Inland Revenue Office, Burewala	Azeemabad Colony, Burewala	Burewala	Central	Punjab	Access	Fiber/Wireless	Wireless	2 Mbps	20	M Habib Arshad	0334-9941845

Sr. No	Site Name	Site Address	City	Zone	Province	Site Type	Laste Mile		Bandwid th	Nod es	POC	Contact Number
							Primary	Seconda ry	CIR Mbps			
210.	Inland Revenue Office, Mailsi	Inland Revenue Office, Unit 08, Colony Road, Near Bank Al-Habib, Mailsi.	Mailsi	Centr al	Punjab	Access	Fiber	Wireless	2 Mbps	20	M Habib Arshad	0334-9941845
211.	Inland Revenue Office, Pakpattan	H.No. 259, S Block, Green Town, Pakpattan	Pakpattan	Centr al	Punjab	Access	Fiber	Wireless	2 Mbps	20	M Habib Arshad	0334-9941845
212.	Inland Revenue Office, Arifwala	H.No. 259, S Block, Green Town, Pakpattan	Arifwala	Centr al	Punjab	Access	Fiber	Wireless	2 Mbps	20	M Habib Arshad	0334-9941845
213.	Inland Revenue Office, Depalpur	6-Y, Government Colony, Okara	Depalpur	Centr al	Punjab	Access	Fiber	Wireless	2 Mbps	20	M Habib Arshad	0334-9941845
214.	Inland Revenue Office, Mian Channu	Sultan Fort Colony Tulamba Road Mian Channu	Mian Channu	Centr al	Punjab	Access	Fiber	Wireless	2 Mbps	20	Kashif Nizam	0334-4398566
215.	Inland Revenue Office,	43 Civil Lines Khanewal	Khanewal (Unit 01&02)	Centr al	Punjab	Access	Fiber	Wireless	2 Mbps	20	Kashif Nizam	0334-4398566

Sr. No	Site Name	Site Address	City	Zone	Province	Site Type	Last Mile		Bandwidth	Nodes	POC	Contact Number
							Primary	Secondary	CIR Mbps			
	Khanewal (Unit 01&02)											
216.	Inland Revenue Office, Muzaffar Grah	Near Girls Degree College Ali Pur Road Muzaffar Garh	Muzaffar Grah	Central	Punjab	Access	Fiber	Wireless	2 Mbps	20	M Naeem Khan	0322-6817186
217.	Inland Revenue Office, Layyah	Housing Colony No.1 Layyah	Layyah	Central	Punjab	Access	Fiber	Wireless	2 Mbps	20	Rana M. Imran	0301-4877986
218.	Inland Revenue Office, Rajanpur	M Hussain Colony Near Alvi Hospital Rajanpur	Rajanpur	Central	Punjab	Access	Fiber	Wireless	2 Mbps	20	M Naeem Khan	0322-6817186
219.	Inland Revenue Office, D G Khan Unit	H No.225 B Khayaban-e-Server Colony DG Khan	D G Khan Unit	Central	Punjab	Access	Fiber	Wireless	2 Mbps	20	M Naeem Khan	0322-6817186
220.	Inland Revenue Office, Hasilpur	Chak No. 18 FW, Ramay Town Opposite Fauji Foundation School, Hasilpur.	Hasilpur	Central	Punjab	Access	Fiber	Wireless	2 Mbps	20	Jawad Ahmad Hashmi	0311-4197666

Sr. No	Site Name	Site Address	City	Zone	Province	Site Type	Laste Mile		Bandwidth	Nodes	POC	Contact Number
							Primary	Secondary	CIR Mbps			
221.	Inland Revenue Office, Ahmad Pur East	Ameer Hamza Town, Ahmadpur East.	Ahmad Pur East	Central	Punjab	Access	Fiber	Wireless	2 Mbps	20	Jawad Ahmad Hashmi	0311-4197666
222.	Inland Revenue Office, Haroonabad	House No. 3, Street No. 1, Ahmad Garden Highway Road, Haroonabad.	Haroonabad	Central	Punjab	Access	Fiber	Wireless	2 Mbps	20	Hasham Khan	0306-0878848
223.	Inland Revenue Office, Khanpur	DSP Office, Model Town-B, Link Road, Khanpur.	Khanpur	Central	Punjab	Access	Fiber	Wireless	2 Mbps	20	Jawad Ahmad Hashmi	0311-4197666
224.	Inland Revenue Office, Sadiqabad	House No. 1, Mohallah Mir Abid Hussain, Old Sadiqabad.	Sadiqabad	Central	Punjab	Access	Fiber	Wireless	2 Mbps	20	Nouman Ali	0333-7616883
225.	Dry Port Sadiq Abad	2-KM VyPass Road, Near Manthar Petroleum, Sadiqabad	Sadiqabad	Central	Punjab	Access	Fiber	Wireless	2 Mbps	20	Mohsin Bilal	0333-7921236

Sr. No	Site Name	Site Address	City	Zone	Province	Site Type	Laste Mile		Bandwid th	Nod es	POC	Contact Number
							Primary	Seconda ry	CIR Mbps			
226.	Inland Revenue Office, Nakana Sahib	Tax Office Nankana Sahib	Nankana Sahib	Centr al	Punjab	Access	Fiber	Wireless	2 Mbps	20	Amir Munir	0337-4848288
227.	Quaidabad Unit, District Khushab	Quaidabad Unit, District Khushab	Khushab	Centr al	Punjab	Access	Fiber	Wireless	2 Mbps	20	Rana M. Imran	0301-4877986
228.	Piplan Unit, District Mianwali	Piplan Unit, District Mianwali	Mianwali	Centr al	Punjab	Access	Fiber	Wireless	2 Mbps	20	Rana M. Imran	0301-4877986
229.	Phalia Unit, District Mandi Bahauddin	Phalia Unit, District Mandi Bahauddin	Mandi Bahuddin	Centr al	Punjab	Access	Fiber	Wireless	2 Mbps	20	Rana M. Imran	0301-4877986
230.	JIAP Intl' Departure - FIA	JIAP Inlt Departure & FIA Room	Karachi	South	Sindh	Access	Fiber	Fiber	4 Mbps	20	Jahangir	0332-1201611
231.	JIAP Intl Arrival	Jinnah Internation Airport	Karachi	South	Sindh	Access	Fiber	Fiber	4 Mbps	20	Jahangir	0332-1201611
232.	JIAP Intl Departure	Jinnah Internation Airport	Karachi	South	Sindh	Access	Fiber	Fiber	4 Mbps	20	Jahangir	0332-1201611
233.	AEOI Islamabad	4th Floor, Evacuee Trust Complex, Islamabad	Islamabad	North	Islamaba d	Access	Fiber	Fiber	10 Mbps	80	GULZAR AHMED	0333-5254210

Sr. No	Site Name	Site Address	City	Zone	Province	Site Type	Last Mile		Bandwidth	Nodes	POC	Contact Number
							Primary	Secondary	CIR Mbps			
234.	AEOI Karachi	5th Floor PNSC building Lala Zar M. T Khan Road Karachi	Karachi	South	Sindh	Access	Fiber	Fiber	10 Mbps	80	Ghuffran	0300-2193173
235.	AEOI Lahore	58A-C Gulberg-III near Husain Chowk Gulberg-III Lahore	Lahore	Central	Punjab	Access	Fiber	Fiber	10 Mbps	80	Amir Munir	0337-4848288
236.	Directorate of Anti-Smuggling	Directorate of Anti-Smuggling Office of, Superintendent Custom ASO 617-D 2nd, Peoples Colony No. 1. Near Old Passport Office Chowk FSD	Faisalabad	Central	Punjab	Access	Fiber	Wireless	2 Mbps	5	Jawad Hassan	0311-8889925

Sr. No	Site Name	Site Address	City	Zone	Province	Site Type	Last Mile		Bandwidth	Nodes	POC	Contact Number
							Primary	Secondary	CIR Mbps			
237.	Directorate General of Internal Audit (Inland Revenue) ISB	1st Floor Block-2 Melody G-6, ISB. POC: Mr. Rafiq [051-9210794, 0323-5007627	Islamabad	North	Islamabad	Access	Fiber	Wireless	6 Mbps	50	syed aamir hussain	0334-9496308/0321-5273761
238.	Islamabad, MCC	Mauve Area, G-9, Islamabad	Islamabad	North	Islamabad	Access	Fiber	Fiber	10 Mbps	220	Zahid Nazir	3335158563
239.	Islamabad, Custom Intelligence HQ	G-10, Islamabad	Islamabad	North	Islamabad	Access	Fiber	Fiber	8 Mbps	180	Zahid Nazir	3335158563
240.	Inland Revenue Office Chishtian	Inland Revenue Unit-11, 13/G road, Near KIPS Academy, Chishtian	Chishtian	Central	Punjab	Access	Fiber	Wireless	2 Mbps	20	Hasham Khan	0306-0878848
241.	Zonal Office, RTO Islamabad	Plot # 21, I& T Centre, G 10/4, Islamabad	Islamabad	North	Islamabad	Access	Fiber	Fiber	10 Mbps	160	MUBASHIR TANVEER	0334 5079616
242.	Custom Station Azakhel	District Nowshera	Peshawar	North	KPK	Access	Fiber/Wireless	Wireless	4 Mbps	15	Faisal Nadeem	3149744470

Sr. No	Site Name	Site Address	City	Zone	Province	Site Type	Last Mile		Bandwidth	Nodes	POC	Contact Number
							Primary	Secondary	CIR Mbps			
243.	Ghulam Khan CS	Ghulam Khan, North Waziristan	Ghulam Khan	North	KPK	Access Remote	Wireless	Wireless	4 Mbps	15	Sardar Ali Khan	3169724500
244.	Angoor Adda	Angoor Adda, South Waziristan	Angoor Adda	North	KPK	Access Remote	Wireless	Wireless	4 Mbps	15	Sardar Ali Khan	3169724500
245.	Inland Revenue Office Shahpur Dist. Sargodha	Federal Board of Revenue Shahpur Unit Shahpur Dist. Sargodha	Shah Pur	Central	Punjab	Access	Fiber	Wireless	2 Mbps	20	Rana M. Imran	0301-4877986
246.	Inland Revenue Office Mankera Dist. Bhakkar	Federal Board of Revenue Mankera Unit Chak 70 ML Rd, Mankera Dist. Bhakkar,	Mankera	Central	Punjab	Access	Fiber	Wireless	2 Mbps	15	Rana M. Imran	0301-4877986
247.	Additional Commissioner Inland Revenue, Range-2, Mardan Zone	Old Federal Excise Office, G.T.Road, Near Khyber CNG, Amangarh, Nowshera	Nowshera	North	KPK	Access	Fiber	Wireless	2 Mbps	25	Asif Ali Khan	3109677743

Sr. No	Site Name	Site Address	City	Zone	Province	Site Type	Last Mile		Bandwidth	Nodes	POC	Contact Number
							Primary	Secondary	CIR Mbps			
248.	Inland Revenue Officer, Unit-36, Nowshera, Mardan Zone.	Old Federal Excise Office, G.T.Road, Near Khyber CNG, Amangarh, Nowshera	Nowshera	North	KPK	Access	Fiber	Wireless	2 Mbps	20	Asif Ali Khan	3109677743
249.	CIR Office, BENAMI Zone-II Lahore	House No. 376, G-1 Block Johar Town, Near Masjid Gulab Shah Wali, Main Canal Road Lahore	Lahore	Central	Punjab	Access	Fiber	Fiber	6 Mbps	50	Amir Munir	0337-4848288
250.	Directorate of Internal Audit Customs Lahore	House.No 501-G III M.A. Johar Town Lahore	Lahore	Central	Punjab	Access	Fiber	Fiber	4 Mbps	35	Kashif Shabbir	0321-4939757
251.	Commissioner Appeals Office, Lahore	44-C-1, M.M Alam Road, Gulberg III Lahore	Lahore	Central	Punjab	Access	Fiber	Fiber	6 Mbps	80	Amir Munir	0337-4848288

Sr. No	Site Name	Site Address	City	Zone	Province	Site Type	Last Mile		Bandwidth	Nodes	POC	Contact Number
							Primary	Secondary	CIR Mbps			
252.	Inland Revenue Office Tala Gang	FBR, Office of Deputy Commissioner Inland Revenue, Dhok Mari Rd, Talagang	Talagang	North	Punjab	Access	Fiber	Fiber	2 Mbps	20	Muhammad Shahid	0345-5446609
253.	Custom Check Post Yaroo	Customs Yaruchek post, Quetta Chaman road , near Ajwa hotel and banquet hall, Pashin, Baluchistan	Chaman	South	Baluchistan	Remote Access	Fiber/Wireless	Wireless	2 Mbps	5	Noor	0335-0342535
254.	Custom Office KartarPur Border	Kartar Pur Sialkot	Sialkot	Central	Punjab	Remote Access	Fiber	Wireless	6 Mbps	15	Basharat Ali	342 4861617
255.	Sikardu International Air Port , AFU	Sikardu	Sikardu	North	KPK	Remote Access	Fiber/Wireless	Wireless	8 Mbps	35	Riaz Ahmed	3455958309
256.	Directorate of I&I (IR) Hyderabad	Hyderabad	Hyderabad	South	Sindh	Remote Access	Fiber	Wireless	4 Mbps	30	Waheedullah Khan	0336-3035327

Sr. No	Site Name	Site Address	City	Zone	Province	Site Type	Last Mile		Bandwidth	Nodes	POC	Contact Number
							Primary	Secondary	CIR Mbps			
257.	Inland Revenue Office Murree Unit-VI	City office, Near Kashmir Point Murree	Muree	North	Punjab	Access	Fiber	Wireless	4 Mbps	20	Muhammad Shahid	0345-5446609
258.	Inland Revenue Office Wah Cantt/Taxila Unit VI, Cantt Zone, RTO, Rawalpindi.	Wah Cantt/Taxila Unit VI, Cantt Zone, Rawalpindi.	Rawalpindi	North	Punjab	Access	Fiber	Fiber	4 Mbps	20	Muhammad Shahid	0345-5446609
259.	Inland Revenue Office, Jhelum Zone, Jhelum	Main GT Road Jhelum	Jhelum	North	Punjab	Access	Fiber	Wireless	4 Mbps	20	Muhammad Shahid	0345-5446609
260.	Inland Revenue Office, Qambar Shahdadkot, Larkana.	Qambar Shahdadkot, Larkana.	Larkana	South	Sindh	Access	Fiber	Wireless	4 Mbps	20	Waheedullah Khan	0336-3035327

Sr. No	Site Name	Site Address	City	Zone	Province	Site Type	Laste Mile		Bandwidth	Nodes	POC	Contact Number
							Primary	Secondary	CIR Mbps			
261.	Directorate of Anti Benami, Islamabad	DG Anti Benami Zone 2 nd Floor, Evacuee Trust Islamabad	Islamabad	North	Punjab	Access	Fiber	Fiber	8 Mbps	50	GULZAR AHMED	0333-5254210
262.	FBR Contact Center and Admin Office, ETC Islamabad	DG Anti Benami Zone 2 nd Floor, Evacuee Trust Islamabad	Islamabad	North	Punjab	Access	Fiber	Fiber	10 Mbps	60	GULZAR AHMED	0333-5254210
263.	Raast Integration State Bank of Pakistan	SBP Islamabad	Islamabad	North	Punjab	Access	Fiber	Fiber	4 Mbps	60	Ibrahim Tahir	0333-4113212
264.	South Asia Pakistan Terminal(SA PT)	South Asia Pakistan Terminal	Karachi	South	Sindh	Access	Fiber	Fiber	8 Mbps	60	Faisal Shamshad	0345-2117948
265.	Smart Tower Office	Plot # C-10/2, Off Sharah-e-Faisal, Lines Area ,Opposite FTC ,Abysenia Lines,	Karachi	South	Sindh	Access	Fiber	Fiber	8 Mbps	60	Adeel	0321-2699416
266.	Dhl Shed, AFU Import	AFU Import	Karachi	South	Sindh	Access	Fiber	Fiber	2 Mbps	20	Jahangir	0332-1201611

Sr. No	Site Name	Site Address	City	Zone	Province	Site Type	Last Mile		Bandwidth	Nodes	POC	Contact Number
							Primary	Secondary	CIR Mbps			
267.	ICG Shed-AFU Import	AFU Import	Karachi	South	Sindh	Access	Fiber	Fiber	4 Mbps	20	Jahangir	0332-1201611
268.	Customs Drug Enforcement Cell	AFU Export	Karachi	South	Sindh	Access	Fiber	Fiber	2 Mbps	20	Jahangir	0332-1201611
269.	FBR Data Center to NADRA (Hqrs) Office Islamabad	FBR Data Center to NADRA (Hqrs) Office Islamabad	Islamabad	North	Federal	Access	Fiber	Fiber	10 Mbps	P2P	Ibrahim Tahir	0333-4113212

Important Note:

The bidders must ensure to provide the committed bandwidth to FBR, upload and download speed should be same. A site will only be considered commissioned once all the requirements are fulfilled and the performance of application is tested as per the satisfaction of the Customer. Bidder are to clearly mention the site relocation (shifting) charges for major cities and remote areas along with the timelines for the shifting of links. Consideration shall be made to include additional sites and scale up the bandwidth for each site when the need arises.

The MPLS backbone connectivity shall allow a high secured IP Access services to FBR's critical applications and data hosted at FBR's Data centers in Islamabad & Karachi. The proposed solution should be flexible to switch multimedia voice, data and video traffic as well as to provide, voice and video conferencing services based on IP Protocol. The proposed solution should have the following features:

- Focusing on end-to-end network management.
- Full redundancy and resilience based on alternative routing paths with different fiber optic cables, nodes and POP.
- End-to-end bandwidth guarantees from CE to CE through the MPLS network, including the last mile (local loop).
- Fully integrated and scalable solution.
- Business everywhere function: enabling remote users to securely, reliably and simply connect the corporate systems, resources, services and applications.
- Flexible, customized IPVPN solution enabled to support existing and future business- critical applications with security and service levels agreements (SLAs) to guarantee the reliability of the network and Quality of Service
- There should be no CRC on CE Ethernet interface.
- For link bandwidth monitoring, traffic graph access should be provided to FBR.

LOT 12/2022

(Dark Fiber for Synchronous Replication and Network Connectivity for Active-Active Data Centers):

Point to point redundant Metro Dark fiber optic (Primary and Secondary) with redundant last mile in ring connectivity is required for our P2P connectivity between our core active-active locations Islamabad from alternate routes. The bidders are required to ensure that the both primary and secondary fibers are from alternate routes.

Ideally the latency should be less than 1 millisecond but the vendor must make sure that the latency should not exceed beyond 2 milliseconds. The total distance of route and Dark Fiber between both sites should not be more than 25 Kilometers. The bidders have to provide connectivity to our switch, last mile fiber should be separate to send and receive i.e. LC-LC. In case the distance is between 25 KM to 50 KM, then the vendor has to provide long range SFPs at both end for connectivity. The bidder must provide OTDR trace report documents to verify the length of Dark Fiber. The bidder(s) shall be responsible to provide local support and maintenance during and after commissioning of Dark Fiber.

S #	P2P Sites	Connectivity Type
1.	FBR House to STP I-9, Islamabad with redundant fiber	P2P Dark Fiber Optic

***Note:** In case of relocation of FBR Site-B (I-9), the bidder must have to perform the relocation of the dark fiber links and allied accessories.*

BILL OF QUANTITY

LOT 12/2022

(Dark Fiber for Synchronous Replication and Network Connectivity for Active-Active Data Centers)

Sr.No	Description	Quantity	
		ISP-1	ISP-2
1.	Dark Fiber Connectivity FBR House to STP I-9, Islamabad with redundant fiber	2 redundant links (Primary & Secondary)	2 redundant links (Primary & Secondary)

LOT 13/2022 (Provision of Public IP Pool):

FBR intends to acquire dedicated IP address for use within its Data Center. The IP addresses will remain the permanent ownership of FBR. This IPs will be routed through multiple Internet Service Providers for hosting of FBR applications. Bidders are required to provide proposal for the IP address as required below:

- **Renewal of Existing 256 Public IP addresses Pool of Islamabad Data Centre Site-A**
- **2nd IP Pool of 256 Public IP addresses for Islamabad Data Centre Site-A**
- **Two separate IP Pool of 256 Public IP addresses for Islamabad Data Center Site -B**
- **Two separate IP Pool of 256 Public IP addresses for Karachi Data Center.**

BILL OF QUANTITY**LOT 13/2022 (Provision of Public IP Pool):**

Sr. No	Description	Quantity
1.	Renewal of Existing Public IP Pool of Islamabad Data Centre Site-A	One IP Pool of /24
2.	2nd IP Pool of 256 Public IP addresses for Islamabad Data Centre Site-A	One IP Pool of /24
3.	IP Pool of 256 Public IP addresses for Islamabad Data Center Site -B	Two IP Pools of /24
4.	IP Pool of 256 Public IP addresses for Karachi Data Center.	Two IP Pools of /24

PUBLIC IP POOLS

Bidders are required to submit their price schedules as per following format.

Three-Year Total Cost Summary

Line Item	Description	Cost for 3 Year
Solution/links– provide the itemized cost for the following		
5.	Renewal of 256 Public IP addresses for Islamabad Data Centre Site-A	PKR
6.	2nd IP Pool of 256 Public IP addresses for Islamabad Data Centre Site-A	PKR
7.	Two separate IP Pool of 256 Public IP addresses for Islamabad Data Center Site –B	PKR
8.	Two separate IP Pool of 256 Public IP addresses for Karachi Data Center.	PKR
GRAND TOTAL		PKR

Total amount in Words: _____.

*Responsibility to include all and correct taxes is that of the bidders.