



T-23
(2025-26)

Bidding Documents for
Supply & Installation, Commissioning of
IT Network Infrastructure

Submitted by:

M/s: _____

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**BIDDING DOCUMENTS FOR
SUPPLY & INSTALLATION COMMISSIONING
OF IT NETWORK INFRASTRUCTURE**

SUMMARY OF CONTENTS

<u>Subject</u>	<u>Page No</u>
(I) INVITATION FOR BIDS	3
(II) INSTRUCTIONS TO BIDDERS	5
(III) BIDDING DATA	16
(IV) CONDITIONS OF CONTRACT	19
(V) QUALIFICATION CRITERIA & STANDARD FORMS	24
(VI) SPECIFICATIONS	31

INVITATION FOR BIDS

INVITATION FOR BIDS

Date: _____
Bid Reference No.: _____

NFC Institute of Engineering & Technology, Khanewal Road Multan, Pakistan hereinafter called the employer, invites sealed bids from eligible firms for the **Supply & Installation Commissioning of IT Network Infrastructure for “FOR” basis at NFC IET Multan** which should be completed **27-04-2026**.

All bids must be accompanied by a Bid Security Mention on EPADS in the shape of Bank draft in favor of NFC Institute of Engineering & Technology Khanewal Road Multan, Pakistan before **14:00 P.M on 27-04-2026** which will be opened at **15:00 P.M** hours on the same day in the presence of bidders’ representatives who choose to attend, at the same address.

**INSTRUCTIONS
TO BIDDERS**

A. GENERAL

1B.1 Scope of Bid

Technical and financial bids are invited for the **Supply & Installation Commissioning of IT Network Infrastructure for “FOR” basis at NFC IET Multan. On EPADS**

Bidders must quote for the complete scope of work. Any Bid covering partial scope of work will be rejected as non-responsive.

1B.2 Eligible Bidders

2.1 Bidding is open to all firms and persons duly qualified.

IB.3 Cost of Bidding

3.1 The bidder shall bear all costs associated with the preparation and submission of its bid and the Employer will in no case be responsible or liable for those costs, regardless of the conduct or outcome of the bidding process.

B. BIDDING DOCUMENTS

IB.4 Contents of Bidding Documents

4.1 In addition to Invitation for Bids, the Bidding Documents are stated below.

1. Instructions to Bidders
2. Bidding Data
3. Conditions of Contract
4. Qualification Criteria & Standard Forms:
 - (i) Supplier Information & Evaluation Forms (F-01)
 - (ii) Form of Bid Security (Letter of Offer) (F-02)
 - (iii) Performance Security (Bank Guarantee) (F-03)
5. Specifications

IB.5 Clarification of Bidding Documents

5.1 A prospective bidder requiring any clarification(s) in respect of the Bidding Documents may notify the Engineer/Employer at the Employer’s/Engineer’s address indicated in the Bidding Data.

IB.6 Amendment of Bidding Documents

- 6.1 At any time prior to the deadline for submission of Bids, the Employer 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.
- 6.2 Any addendum thus issued shall be part of the Bidding Documents pursuant to Sub-Clause 6.1 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 Employer.
- 6.3 To afford prospective bidders reasonable time in which to take an addendum into account in preparing their Bids, the Employer may at its discretion extend the deadline for submission of Bids.

C. PREPARATION OF BIDS

IB.7 Language of Bid

- 7.1 The bid prepared by the bidder and all correspondence and documents relating to the Bid, exchanged by the bidder and the Employer shall be written in the English language, provided that any printed literature furnished by the bidder may be written in another language so long as accompanied by an English translation of its pertinent passages in which case, for purposes of interpretation of the Bid, the English translation shall govern.

IB.8 Documents Comprising the Bid

- 8.1 The bid prepared by the bidder shall comprise the following components:
 - (a) Covering Letter
 - (b) Form of Bid duly filled, signed and sealed,
 - (d) Bid Security furnished in accordance with Clause IB.13.
 - (e) Power of Attorney in accordance with Sub-Clause IB 14.5.
 - (f) Documentary evidence in accordance with Clause IB.11
 - (g) Documentary evidence in accordance with Clause IB.12.

IB.9 Sufficiency of Bid

- 9.1 Each bidder shall satisfy himself before Bidding as to the correctness and sufficiency of his Bid and of the rates and prices entered in the Schedule of Prices, which rates and prices shall except in so far as it is otherwise expressly provided in the Contract, cover all his obligations under the Contract and all matters and things necessary for the proper completion of the Works.
- 9.2 The bidder is advised to obtain for himself at his own cost and responsibility all information that may be necessary for preparing the bid and entering into a Contract for execution of the Works.

IB.10 Bid Prices, Currency of Bid and Payment

- 10.1 The bidder shall quote the Prices indicating the unit rates and prices of the Works to be performed under the Contract.
- 10.2 Unless otherwise stipulated in the Conditions of Contract, prices quoted by the bidder shall remain fixed during the bidder's performance of the Contract and not subject to variation on any account.
- 10.3 The unit rates and prices should be quoted by the bidder on FOR at NFC IET Multan basis.

10.4 The bidder shall mention 18% GST separately if applicable.

IB.11 Documents Establishing Bidder's Eligibility and Qualifications

- 11.1 Pursuant to Clause IB.8, the bidder shall furnish, as part of its bid, documents establishing the bidder's eligibility to bid and its qualifications to perform the Contract if its bid is accepted.
- 11.2 Bidder/Manufacturer must possess and provide evidence of its capability and the experience as stipulated in Bidding Data and the Qualification Criteria stipulated in the Bidding Documents.

IB.12 Documents Establishing Works' Conformity to Bidding Documents

- 12.1 The documentary evidence of the Works' conformity to the Bidding Documents may be in the form of literature, drawings and data and the bidder shall furnish documentation as set out in Bidding Data.
- 12.2 The bidder shall note that standards for workmanship, material and equipment, and reference to brand names or catalogue numbers, if any, designated by the Employer in the Technical Provisions are intended to be descriptive only and not restrictive.

IB.13 (a) Bid Security

- 13.1 Each bidder shall furnish, as part of his bid, a Bid Security @ stipulated in Bidding Data in Pak. Rupees in the shape of Bank draft issued by a Scheduled Bank in Pakistan in favour of the Employer.
- 13.2 Any bid not accompanied by an acceptable Bid Security shall be rejected by the Employer as non-responsive.
- 13.3 The bid securities of unsuccessful bidders will be returned upon award of contract to the successful bidder or on the expiry of validity of Bid Security whichever is earlier.
- 13.4 The Bid Security of the successful bidder will be returned when the bidder has furnished the required Performance Security, pursuant to Clause IB.21 and signed the Contract Agreement, pursuant to Sub-Clauses IB.20.2 & 20.3.

- 13.5 The Bid Security may be forfeited:
- (a) If a bidder withdraws his bid during the period of bid validity; or
 - (b) If a bidder does not accept the correction of his Bid Price, pursuant to Sub-Clause 16.4 (b) hereof; or
 - (c) In the case of a successful bidder, if he fails to:
 - (i) Furnish the required Performance Security in accordance with Clause IB.21, or
 - (ii) Sign the Contract Agreement, in accordance with Sub-Clauses IB.20.2 & 20.3.

IB.13(b) Validity of Bids, Format, Signing and Submission of Bid

- 13.1 Bids shall remain valid for the period stipulated in the Bidding Data after the date of bid opening.
- 13.2 All Schedules to Bid are to be properly completed and signed.
- 13.3 No alteration is to be made in the Form of Bid except in filling up the blanks as directed. If any alteration be made or if these instructions be not fully complied with, the bid may be rejected.
- 13.4 The original and all copies of the bid shall be typed or written in indelible ink and shall be signed by a person or persons duly authorized to sign. This shall be indicated by submitting a written Power of Attorney authorizing the signatory of the bidder to act for and on behalf of the bidder. All pages of the bid shall be initialed and official seal be affixed by the person or persons signing the bid.
- 13.5 The Bid shall be delivered in person or sent by registered mail at the address to Employer as given in Bidding Data.

D. SUBMISSION OF BID

IB.14 Deadline for Submission, Modification & Withdrawal of Bids

- 14.1 Bids must be received by the Employer at the address/provided in Bidding Data not later than the time and date stipulated therein.
- 14.2 Bids submitted through telegraph, telex, fax or e-mail shall not be considered.
- 14.3 Any bid received by the Employer after the deadline for submission prescribed in Bidding Data will be returned unopened to such bidder.
- 14.4 Any bidder may modify or withdraw his bid after bid submission provided that the modification or written notice of withdrawal is received by the Employer prior to the deadline for submission of bids.
- 14.5 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 pursuant to Sub-Clause IB.13.5 (a).

14.6 Conditional offer shall not be entertained.

- 14.7 The quotation received with over-writing, cutting, mutilation and doubtful figure will be rejected.
- 14.8 Shortest completion period should be stated clearly, if goods are required urgently, preference would be given to ex-stock offer.
- 14.9 All bids submitted must be complete in every respect. The bidder shall sign each document including drawings. The bids found incomplete shall be considered **Non Responsive** and shall be rejected.
- 14.10 Goods offered should be of the competitive rate, quality, confirming to stipulated specifications and verifiable form manufacturer.
- 14.11 Cost of equipment will include cost of accessories, which must be listed by the supplier.

15.1 General Instructions for FOR:

- 15.2 **Please quote rates for the supply & installation commissioning of required items with complete accessories FOR at NFC IET, Multan basis described in the bidding document.**
- 15.3 The envelope containing your quotation should be sealed and addressed to Director, NFC Institute of Engineering & Technology, Multan (Pakistan) and the following should be written on the envelope:

Tender Ref #: NFC IET/F-03/T-23

Tender Title: **Supply & Installation Commissioning of IT Network Infrastructure.**

Bid opening date: 27-04-2026 at 15:00 Hrs.

- 15.4 The evidence of the equipment eligibility shall be established to the purchaser's satisfaction. A certificate from the manufacturer and complete technical literature/brochure (English version only) will satisfy the requirement of this clause.
- 15.5 Weight, volume and packing should be mentioned.
- 15.6 Your quotation must enclose with necessary literature/specification of the offered equipment (if available).
- 15.7 The catalogue of the equipment offered by you may also be provided to us along with the offer. Operational and services manual must be supplied with the equipment in English language (if available).
- 15.8 The equipment should be operate-able with 220 – 240 volt AC power, 50 Hz wherever electrically operated equipment is involved.
- 15.9 **Complete training of the equipment as per technical requirement will be arranged by the supplier at NFC IET, Multan.**
- 15.10 **Warranty.**

E. BID OPENING AND EVALUATION

IB.16 Bid Opening, Clarification and Evaluation

16-A Procedure for opening competitive bids: (Single stage-two envelopes procedure) Rule 36b

- (i) The bid shall comprise a single package containing two separate envelopes. Each envelope shall contain separately the financial proposal and the technical proposal;
- (ii) The bid shall be uploaded on EPADS as “FINANCIAL PROPOSAL” and “TECHNICAL PROPOSAL” in bold and legible letters to avoid confusion;
- (iii) Initially, only the uploaded marked “TECHNICAL PROPOSAL” shall be opened on EPADS;
- (iv) The bid marked as “FINANCIAL PROPOSAL” shall be retained on EPADS without being opened;
- (v) The procuring agency shall evaluate the technical proposal in a manner prescribed in advance, without reference to the price and reject any proposal which does not conform to the specified requirements;
- (vi) During the technical evaluation no amendments in the technical proposal shall be permitted;
- (vii) The financial proposals of bids shall be opened publicly at a time, date and venue announced and communicated to the bidders in advance;

- (viii) After the evaluation and approval of the technical proposal the procuring agency, shall at a time within the bid validity period, publicly open the financial proposals of the technically accepted bids only. The financial proposal of bids found technically non-responsive shall be returned un-opened to the respective bidders; and
- (ix) Most advantageous bidder as per PPRA QCBS shall be awarded the contract.
- 16.1 The committee will open Technical Bid, in the presence of bidders' representatives who choose to attend, at the time, date and location stipulated in the Bidding Data.
- 16.2 The bidder's name, Bid Prices, any discount, the presence or absence of Bid Security, and such other details as the Employer at its discretion may consider appropriate, will be announced by the committee at the bid opening. The committee will record the minutes of the bid opening. Representatives of the bidders who choose to attend shall sign the attendance sheet.

Any Bid Price or discount which is not read out and recorded at bid opening will not be taken into account in the evaluation of bid.
- 16.3 To assist in the examination, evaluation and comparison of Bids the committee may, at its discretion, ask the bidder for a clarification of its Bid. The request for clarification and the response shall be in writing and no change in the price or substance of the Bid shall be sought, offered or permitted.
- 16.4 (a) Prior to the detailed evaluation, pursuant to Sub-Clauses IB.16.7 to 16.9, the Engineer/Employer will determine the substantial responsiveness of each bid to the Bidding Documents. For purpose of these Clauses, a substantially responsive bid is one which conforms to all the terms and conditions of the Bidding Documents without material deviations. It will include to determine the requirements listed in Bidding Data.
- (b) Arithmetical errors will be rectified on the following basis:

If there is a discrepancy between the unit price and total price that is obtained by multiplying the unit price and quantity, the unit price shall prevail and the total price shall be corrected. If there is a discrepancy between the words and figures the amount in words shall prevail. If there is a discrepancy between the Total Bid price entered in Form of Bid and the total shown in Schedule of Prices-Summary, the amount stated in the Form of Bid will be corrected by the Employer in accordance with the Corrected Schedule of Prices.
- (c) If the bidder does not accept the corrected amount of Bid, his Bid will be rejected and his Bid Security forfeited.
- 16.5 A Bid determined as substantially non-responsive will be rejected and will not subsequently be made responsive by the bidder by correction of the non-conformity.
- 16.6 Any minor informality or non-conformity or irregularity in a Bid which does not constitute a material deviation may be waived by Employer, provided such waiver does not prejudice or affect the relative ranking of any other bidders.
- 16.7 The Engineer/Employer will evaluate and compare only the bids previously determined to be substantially responsive pursuant to Sub-Clauses IB.16.4 to 16.6 as per requirements given hereunder. Bids will be evaluated for complete scope of works. The prices will be compared on the basis of the Evaluated Bid Price pursuant to Sub-Clause 16.8 herein below.

(a) Technical Evaluation

It will be examined in detail whether the Works specification offered by the bidder complies with the Technical Provisions of the Bidding Documents. For this purpose, the bidder's data submitted with the bid specification will be compared with technical features/criteria of the Works detailed in the Technical Provisions. Other technical information submitted with the bid regarding the Scope of Work specification will also be reviewed.

(b) Commercial Evaluation

It will be examined in detail whether the bids comply with the commercial/contractual conditions of the Bidding Documents. It is expected that no deviation/ stipulation shall be taken by the bidders.

16.8 Evaluated Bid Price

In evaluating the bids, the Engineer/Employer will determine for each bid in addition to the Bid Price, the following factors (adjustments) in the manner and to the extent indicated below to determine the Evaluated Bid Price:

- (i) Making any correction for arithmetic errors pursuant to Sub-Clause 16.4 hereof.
- (ii) Making an appropriate price adjustment for any other acceptable variation or deviation.
- (iii) Making an appropriate price adjustment for Deviations in terms of Payments (if any and acceptable to the Employer).
- (iv) Discount, if any, offered by the bidders as also read out and recorded at the time of bid opening.

16.9 Evaluation Methods

Pursuant to Sub-Clause 16.8, Para (ii), and (iii) following evaluation methods for price adjustments will be followed:

(i) Price Adjustment for Technical Compliance

The cost of making good any deficiency resulting from technical non compliance will be added to the Corrected Total Bid Price for comparison purposes only. The adjustments will be applied taking the highest price quoted by other bidders being evaluated in detail in their original Bids for corresponding item. In case of non availability of price from other bidders, the price will be estimated by the Engineer/Employer.

(ii) Price Adjustment for Commercial Compliance.

The cost of making good any deficiency resulting from any quantifiable variations and deviations from the Bid Schedules and Conditions of Contract, as determined by the Engineer/Employer will be added to the Corrected Total Bid Price for comparison purpose only. Adjustment for

commercial compliance will be added to the Corrected Total Bid Prices.

- (iii) Price Adjustment for Deviation in Terms of Payments
- (iv) Refer to Bidding Data

IB.17 Process to be Confidential

- 17.1 Subject to Sub-Clause IB.16.3 heretofore, no bidder shall contact Engineer/Employer on any matter relating to its Bid from the time of the Bid opening to the time the bid **evaluation result is announced by the Employer. The evaluation result shall be announced at least ten (10) days prior to award of Contract.** 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.
- 17.2 Any effort by a bidder to influence Engineer/Employer in the Bid evaluation, bid comparison or Contract Award decisions may result in the rejection of his Bid. **Whereas, any bidder feeling aggrieved may lodge a written complaint not later than ten (10) days after the announcement of the bid evaluation result, however, mere fact of lodging a complaint shall not warrant suspension of procurement process.**

F. AWARD OF CONTRACT

IB.18. Post Qualification

- 18.1 The Employer, having credible reasons for or a prima facie evidence of any defect in bidders' capacities, will determine to its satisfaction that the substantially responsive, lowest evaluated bidder, whether already pre-qualified or not, is qualified to satisfactorily perform the Contract in accordance with Qualification Criteria stipulated in the Bidding Documents.
- 18.2 The determination will take into account the bidder's financial and technical capabilities. It will be based upon an examination of the documentary evidence of the bidders' qualifications submitted under Clause IB.11, as well as such other information required in the Bidding Documents.

IB.19 Award Criteria & Employer's Right

- 19.1 Subject to Sub-Clause IB.19.2, the Employer 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 qualified to satisfactory perform the Contract in accordance with the provisions of Clause IB.18.
- 19.2 Not with standing Sub-Clause IB.19.1, the Employer 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 to inform the affected bidders of the grounds for the Employer's action except that the grounds for its rejection of all bids shall upon request be communicated, to any bidder

who submitted a bid, without justification of the grounds. Notice of the rejection of all the bids shall be given promptly to all the bidders.

IB.20 Notification of Award & Signing of Contract Agreement

- 20.1 Prior to expiration of the period of bid validity prescribed by the Employer, the Employer will notify the successful bidder in writing (“Letter of Acceptance”) that his bid has been accepted.
- 20.2 **Within seven (7) days from the date of furnishing** of acceptable Performance Security under the Conditions of Contract, the Employer will send the successful bidder the Form of Contract Agreement provided in the Bidding Documents, incorporating all agreements between the parties.
- 20.3 The formal Agreement between the Employer and the successful bidder shall be executed **within seven (7) days of the receipt of Form of Contract Agreement** by the successful bidder from the Employer.

IB.21 Performance Security

- 21.1 The successful bidder shall furnish to the Employer a Performance Security in the form and the amount stipulated in the Conditions of Contract within **a period of fourteen (14) days after the receipt of Letter of Acceptance.**
- 21.2 Failure of the successful bidder to comply with the requirements of Sub-Clauses IB.20.2 & 20.3 or 21.1 or Clause IB.22 shall constitute sufficient grounds for the annulment of the award and forfeiture of the Bid Security.

IB.22 Integrity Pact

The Bidder shall sign and stamp the Form of Integrity Pact provided at Schedule- F to Bid in the Bidding Document for all Federal Government procurement contracts exceeding Rupees ten (10) million. Failure to provide such Integrity Pact shall make the bid non-responsive.

Note: Rates should be quoted on prescribed form with sign & stamp.

BIDDING DATA

Instructions to Bidders

Clause Reference

1. **Name of Employer**
NFC Institute of Engineering & Technology (NFC IET)
2. **Brief Description of Works**
Supply & Installation Commissioning of IT Network Infrastructure. as per given specifications.
3. (a) Employer's address:
The Registrar,
NFC Institute of Engineering & Technology,
Khanewal Road Multan, Pakistan.
Phone # +92-61-9220044, +92-61-9220011 Fax # +92-61-9220018
Email: nfciet@nfciet.edu.pk Web: www.nfciet.edu.pk

(b) Engineer's address:
Dr. Kamran Liaqat Bhatti
NFC Institute of Engineering & Technology
Khanewal Road Multan, Pakistan.
Phone # +92-61-9220012-16 Fax # +92-61-9220018
Email: nfciet@nfciet.edu.pk Web: www.nfciet.edu.pk
4. The bidder/manufacturer has the financial, technical and production capability necessary to perform the Contract as follows:

5. (a) A detailed description of the Works, essential technical and performance characteristics.

(b) Complete set of technical information, description data, literature and drawings as required in accordance with Schedule B to Bid, Specific Works Data. This will include but not be limited to a sufficient number of drawings, photographs, catalogues, illustrations and such other information as is necessary to illustrate clearly the significant characteristics such as general construction dimensions and other relevant information about the works to be performed.
6. **Amount of Bid Security**
Amount mentioned on EPADS of the bid price in the shape of Bank draft in favor of NFC Institute of Engineering & Technology, Khanewal Road Multan, Pakistan.

(Fill in amount mentioned on EPADS of the Bid price)

7. **Period of Bid Validity**

The Bid should be valid for **180 days** from the dead line for submission of Bids as indicated below. Consequently, the Bid Security (as per clauses) shall also be valid for 180 days.

8. **Affidavit of the Bid to be submitted **original.****

9. **(a) Employer's Address for the Purpose of Bid Submission**

NFC Institute of Engineering & Technology

Khanewal Road Multan, Pakistan.

Phone # +92-61-922044, +92-61-9220011 Fax # +92-61-9220018

Email: nfciet@nfciet.edu.pk Web: www.nfciet.edu.pk

10. **Deadline for Submission of Bids on EPADS**

14:00 P.M on 27-04-2026

11. **Venue, Time, and Date of Bid Opening on EPADS**

Venue: Committee room

Time: 15:00 P.M

Date: 27-04-2026

12. **Responsiveness of Bids**

- (i) The Bid is valid till required period,
- (ii) The Bid prices are firm during currency of contract,
- (iii) Completion period offered is within specified limits,
- (iv) The Bidder/Manufacturer is eligible to Bid and possesses the requisite experience, capability and qualification.
- (v) The Bid does not deviate from basic technical requirements and
- (vi) The Bids are generally in order, etc.

CONDITIONS OF CONTRACT

CONDITIONS OF CONTRACT

GENERAL PROVISIONS

Definitions

In the Contract as defined below, the words and expressions defined shall have the following meanings assigned to them, except where the context requires otherwise:

The Contract

“Contract” means the Contract Agreement and the other documents listed in the Contract Data.

“Specifications” means the document as listed in the Contract Data, including Employer’s requirements in respect of design to be carried out by the Contractor (if any), and any Variation to such document.

“Drawings” means the detailed engineering and construction drawings to be prepared and submitted by the contractor to the Employer.

Persons

“Employer” means the person named in the Contract Data and the legal successors in title to this person, but not (except with the consent of the Contractor) any assignee.

“Contractor” means the person named in the Contract Data and the legal successors in title to this person, but not (except with the consent of the Employer) any assignee.

“Party” means either the Employer or the Contractor.

Dates, Times and Periods

“Commencement Date” means the date fourteen (14) days after the date the Contract comes into effect or any other date named in the Contract Data.

“Day” means a calendar day

“Time for Completion” means the time for completing the Works as stated in the Contract Data calculated from the Commencement Date.

Money and Payments

“Cost” means all expenditure properly incurred (or to be incurred) by the Contractor, whether on or off the Site, including overheads and similar charges but does not include any allowance for profit.

Other Definitions

“Country” means the Islamic Republic of Pakistan.

“Variation” means a change which is instructed by the Engineer/ Employer

“Engineer” means the person notified by the Employer to act as Engineer for the purpose of the Contract and named as such in Contract Data.

Priority of Documents

The documents forming the Contract are to be taken as mutually explanatory of one another. If an ambiguity or discrepancy is found in the documents, the priority of the documents shall be in accordance with the order as listed in the Contract Data.

Law

The law of the Contract is the relevant Law of Islamic Republic of Pakistan.

Communications

All Communications related to the Contract shall be in English language.

Statutory Obligations

The Contractor shall comply with the Laws of Islamic Republic of Pakistan and shall give all notices and pay all fees and other charges in respect of the Works.

CONDITIONS:

THE EMPLOYER

1. Provision of Site

The Employer shall provide the Site and right of access thereto at the times stated in the Contract Data.

2. Permits etc.

The Employer shall, if requested by the Contractor, assist him in applying for permits, licenses or approvals, which are required for the Works.

3. Engineer’s/Employer’s Instructions

The Contractor/supplier shall comply with all instructions given by the Employer or the Engineer, if notified by the Employer, in respect of the Works including the suspension of all or part of the Works.

4. **Approvals**

No approval or consent or absence of comment by the Engineer/Employer shall affect the Contractor's obligations.

ENGINEER'S/EMPLOYER'S REPRESENTATIVES

5. **Authorized Person**

The Employer shall appoint a duly authorized person to act for him and on his behalf for the purposes of this Contract. Such authorized person shall be duly identified in the Contract Data or otherwise notified in writing to the Contractor as soon as he is so appointed. In either case the Employer shall notify the Contractor, in writing, the precise scope of the authority of such authorized person at the time of his appointment.

6. **Engineer's/Employer's Representative**

The name and address of Engineer's/Employer's Representative is given in Contract Data. However, the Contractor shall be notified by the Engineer/Employer, the delegated duties and authority before the Commencement of Works.

THE CONTRACTOR

7. **General Obligations**

The Contractor/supplier shall carry out the Works properly and in accordance with the Contract. The Contractor shall provide all supervision, labour, Materials and Contractor's Equipment, which may be required.

8. **Subcontracting**

The Contractor/supplier shall not subcontract the whole of the Works. The Contractor shall not subcontract any part of the Works without the consent of the Employer.

9. **Performance Security**

The Contractor/supplier shall furnish to the Employer within fourteen (14) days after receipt of Letter of Acceptance a Performance Security in the form of Bank Draft or Bank Guarantee @ 05% of the Purchase Order value which will be retained by the Institute for 12 Month from the date of supply of equipment.

TIME FOR COMPLETION

10. Execution of the Works

The Contractor/supplier shall commence the Works on the Commencement Date and shall proceed expeditiously and without delay and shall complete the Works, within the Time for Completion.

11. Extension of Time

There will be no extension in time.

12. Late Completion

If the Contractor fails to complete the Works within the Time for Completion, the Contractor's only liability to the Employer for such failure shall be to pay the amount stated in the Contract Data for each month for which he fails to complete the Works.

13. Taxes will be managed according to Govt. Rules.

14. Failure and Termination

If you fail to deliver these goods/ Complete the Work or any part thereof within the specified delivery period the NFC IET Multan shall be entitled at its option, either: -

i) **To recover from you as a liquidated damages and not by way of penalty a sum of 2% of the price of all or any of these goods which you fail to deliver as a foresaid, for each month or part of a month during which the delivery of such goods may be in arrears.**

OR

ii) **To purchase from elsewhere without notice to you, but at your risk and cost, the goods not delivered/supplied within the stipulated period and to recover excess value so paid from you or from your security deposit or from any of your outstanding bill amount.**

**QUALIFICATION CRITERIA
&
STANDARD FORMS**

**NFC Institute of Engineering and Technology,
Supplier Information & Evaluation Forms (COM/ F-01)**

Information Form

Sr. No.	Mandatory Criteria	Comply (Yes/No)
1	Firm has a Valid NTN Registration	Yes/No
2	Firm has a Valid GST Registration	Yes/No
3	Firm is active on ATL list of FBR	Yes/No
4	Affidavit for non-blacklisting	Yes/No
5	Firm must submit Bid Security	Yes/No
6	Manufacturer / Distributor Authorization Letter verifiable from OEM	Yes/No
7	The bidder must meet the required technical specifications. Higher specifications than those mentioned will be acceptable; however, lower specifications will lead to bid rejection	Yes/No
8	Company Profile	Yes/No
9	Bidder must have deployment team on their own payroll for complete scope [both Ethernet and Fiber].	Yes/No
10	Bidder must have O&M Teams available for 24x7 Support for the critical Fiber Infrastructure of the campus	Yes/No
11	Bidder must have their operational and support offices in major cities	Yes/No
12	Bidder must have fiber deployment and maintenance experience of 05 Years.	Yes/No
13	Financial position 25% of supply order/bid amount (Computerized Bank Statement duly signed & Stamped by Bank Manager for the last six months).	Yes/No
14	Major Projects/orders/supplies record of the last three years for such type of equipment. (Attach list)	Yes/No
15	An Affidavit duly attested by the Oath Commissioner/Notary Publics, showing that the firm is neither blacklisted nor involved in litigation with any Govt. / Semi Govt. Department.	Yes/No
16	Vendor agrees to provide the technical services free of charge for one year.	Yes/No

Evaluation Criteria-Technical (70)

Criteria	Marks
1. Company Profile	(05)
2. Capabilities with respect to personnel and equipment. (No. of technical Staff)	(10)
3. Financial position 25% of supply order/bid amount (Computerized Bank Statement duly signed & Stamped by Bank Manager for the last six months).	(10)
4. Compliance with technical specification	(35)
5. Project delivery plan	(05)
Total Marks:	(70)
Qualifying Marks:	(49)

Evaluation Criteria-Financial (30)

QCBS = (Technical Score x 0.7) + (Financial Score x 0.30)

Note:

Minimum marks for Technical Qualification - **49 Marks**

Financial Score – Lowest bidder gets full 30 marks

Formula

(Lowest bid / Bidders bid) x 30

FORM OF BID SECURITY (F-02)

(LETTER OF OFFER)

Bid Reference No. _____

(Name of Works)

To:

Gentlemen,

1. Having examined the Bidding Documents including Instructions to Bidders, Bidding Data, Conditions of Contract, Contract Data, Specifications, Sketches, if any, Schedule of Prices and Addenda Nos. _____ for the execution of the above-named Works, we, the undersigned, being a company doing _____ business under the name of _____ and address _____ and being duly incorporated under the laws of Pakistan hereby offer to execute and complete such Works and remedy any defects therein in conformity with the said Documents including Addenda thereto for the Total Bid Price of Rs./US\$ _____ (in words) _____) or such other sum as may be ascertained in accordance with the said Documents.
2. We understand that all the Schedules attached hereto form part of this Bid.
3. As security for due performance of the undertakings and obligations of this Bid, we submit herewith a Bid Security in the amount of _____ drawn in your favour or made payable to you and valid for a period of twenty eight (28) days beyond the period of validity of Bid.
4. We undertake, if our Bid is accepted, to commence the Works and to deliver and complete the Works comprised in the Contract within the time(s) stated in Contract Data.
5. We agree to abide by this Bid for the period of _____ days from the date fixed for receiving the same and it shall remain binding upon us and may be accepted at any time before the expiration of that period.
6. Unless and until a formal Agreement is prepared and executed, this Bid, together with your written acceptance thereof, shall constitute a binding contract between us.
7. We undertake, if our Bid is accepted, to execute the Performance Security referred to in Conditions of Contract for the due performance of the Contract.

8. We understand that you are not bound to accept the lowest or any bid you may receive.
9. We do hereby declare that the Bid is made without any collusion, comparison of figures or arrangement with any other person or persons making a bid for the Works.

Dated this _____ day of _____, 2026

Signature _____

in the capacity of _____ duly authorized to sign bid for and on behalf of

(Name of Bidder in Block Capitals)
(Seal)

Address

Witness:

(Signature) _____

Name: _____

Address:

FORM OF PERFORMANCE SECURITY (F-03)
(Bank Guarantee)

Guarantee No. _____

Executed on _____

(Letter by the Guarantor to the Employer)

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

Name of Principal (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 Employer) in the penal sum of the amount stated above, for the payment of which sum well and truly to be made to the said Employer, 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 Employer's above said Letter of Acceptance for _____ (Name of Contract) for the _____

_____ (Name of Project).

NOW THEREFORE, if the Principal (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 Employer, 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 the 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 9, Remedying Defects, 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 defenses under the Contract, do hereby irrevocably and independently guarantee to pay to the Employer without delay upon the Employer's first written demand without cavil or arguments and without requiring the Employer to prove or to show grounds or reasons for such demand any sum or sums up to the amount stated above, against the Employer's written declaration that the Principal has refused or failed to perform the obligations under the Contract, for which payment will be effected by the Guarantor to Employer's designated Bank & Account Number.

PROVIDED ALSO THAT the Employer 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 Employer forthwith and without any reference to the Principal or any other person.

IN WITNESS WHEREOF, the above bounded 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. _____	1. Signature _____
_____	2. Name _____
Corporate Secretary (Seal)	3. Title _____
2. _____	
_____	_____
(Name, Title & Address)	Corporate Guarantor (Seal)

SPECIFICATIONS

Specifications for Tender Documents “IT Infrastructure”
NFC Multan Buildings – Details of Wi-Fi Nodes

<u>Sr. No.</u>	<u>Building Name</u>	<u>No. of Floors</u>	<u>Number of Access Points</u>	<u>Number of Fibers Per Building</u>
1	Main Gate	1	1	8F (For Internal Connectivity) + 48F for ISP
2	Guest House and AI Department + Out Door Cafeteria	2+3	2+24	8F
3	Food & Science Department	2	7	8F
4	New and Old Chemical Department	3+2	9+10	8F
5	Training Department	3	5	8F
6	Electrical Engineering Department	3	24	8F
7	VC Residence	2	2	8F-Direct Link with Data Center
8	Faculty Residence	2	12	8F-Direct Link with Data Center
9	Central Library / Data Center	3	9	8F
10	VC Secretariat	3	14	8F-Direct Link with Data Center
11	Boys Hostel 1	4	40	8F
12	Boys Hostel 2	4	40	8F
13	Girls Hostel	3	12	8F
14	Student Cafeteria + Admission Cell + Fee Section	2	5	8F
15	Petroleum Department	2	8	8F-Direct Link with Data Center
16	Mechanical Department	3	14	8F
17	Parking Plaza	3	6	8F
18	Auditorium	1	14	8F
19	CS Department	4	18	8F
20	Bio Medical	3	14	8F
21	BBA Department	3	10	8F
22	Architect Depart	3	15	8F
23	New Hydraulic Lab	1	2	8F
24	Civil Department	3	21	8F
25	NFC Mosque	1	1	8F
26	Transport Office	1	1	8F

Fiber Network Topology Requirement

- The campus network topology has been designed using a Star Topology architecture, where all buildings are connected directly to the Central Core Location (Main Library – Data Center) to ensure centralized control, simplified management, and high network performance.
- The fiber deployment will be executed in three phases, with 48-core on 1 phase, 48 core in 2nd phase and 72+48 core in 3rd phase single-mode optical fiber allocated for each phase, ensuring scalability, redundancy, and organized infrastructure expansion.
 - Phase-1: Connectivity for existing academic and administrative buildings and future infrastructure expansion.
 - Phase-2: Connectivity for Hostels, VC Secretariat, VC Residence, Faculty Residences, Student Cafeteria, and Admission Cell and future infrastructure expansion.
 - Phase-3: Connectivity for newly constructed buildings and future infrastructure expansion.
- All campus buildings will be connected directly to the Main Library Data Center, which will function as the central core network node for routing, switching, monitoring, and security management.
- Structured Ethernet cabling (With Labelling) will be deployed for wireless access points and network nodes, including patch panels, cable managers, RJ-45 connectors, Ethernet patch cords, and Fluke testing reports.
- The project scope includes complete installation of fiber and Ethernet infrastructure along with network rack installation at all designated locations.

Terms and Conditions

1. The bidder shall be deemed to have obtained all information as to and all requirements related thereto which may affect the bid intended purpose and price.
2. No offer shall be considered if the offer is ambiguous or the offer is not conforming to the specifications indicated in the Tender enquiry.
3. The Contract shall be for the whole of the Work as described in these Bidding Documents. Bids must be for the complete scope of work.
4. The Contractor shall provide for all parts of the Works to be completed in every respect.
5. Cables, Conduits and Duct quantity may increase or decrease and payment will be made as per actual measurements.
6. Bidder must provide a fully functional Power Solution, including UPS Wiring for Data Rack & Cabinets.
7. All fibers are directly connected to the data center
8. Training for splicing

Technical Specification:

1. Manufacturer's datasheets and technical brochures must be submitted with the bid, Purchaser reserves the right to request physical samples of quoted items for quality check and technical verification prior to approval/award.
2. Items in Sr. No. 1 to 5 (For Cat6) must be of the same OEM. [Mandatory]
3. OEM (Ref Sr. No. 1 to 5) (For Cat6) should provide 05 years performance warranty to the end user upon successful installation and testing of all components.

Note: Fiber allocation per building may be increased or decreased, and fiber routes may be modified according to site conditions and operational requirements.

Technical Specifications [100% Compliance Mandatory]

Sr. No.	Equipment Required	Specification	Requirement	Compliance (Yes/No)	Remarks
1	Cat 6 Cable	Feature	4 Pairs Unshielded Twisted Pair (UTP) CAT-6 Cable (1000ft) Roll Conductor Metal: Solid Bare Copper Frequency \geq 250 MHz (preferably 350 MHz or higher) Conductor Diameter: 0.560mm Nominal, 23 AWG Insulation Diameter: 0.970mm Nominal, Insulation Material: HD-PE Jacket Material: PVC Cable Diameter: 6mm Nominal PE Central Cross separator		
2	Cat 6 Patch Panels	Feature	Patch Panel 24-Port UTP Cat6 UN-Loaded (UL) Unshielded with rear cable management tray & Ties Staggered 24 port panel in 1U Mounts in standard EIA 19-inch racks With Removable I/O Cat6 UTP Tool-less Keystone Jack Terminating 4 pairs, 22-26 AWG Cable. Universal labels color coded for T568A and T568B wiring schemes, Fitting high density keystone panel. The Cat6 transmission		

			performance is in compliance with the ANSI/TIA/EIA 568C.2 standard		
3	Cable Manager	Feature	19" 1U CCS-Type Metal Cable Management with Cover		
4	RJ-45 I/O	Feature	I/O Cat6 UTP Tool-less Keystone Jack Terminating 4 pairs, 22-26 AWG Cable, Universal labels color coded for T568A and T568B wiring schemes, fitting high density keystone panel, The Cat6 transmission performance is in compliance with the ANSI/TIA/EIA 568 C.2 standard		
5	Cat6 Patch Cord	Features	Size: 1M and 3M UTP CAT-6 Patch Cord (1 and 3 meters) 4 Pairs Unshielded Twisted Pair (UTP) Cable Conductor Metal: Bare Copper Conductor: 24 AWG Jacket Material: PVC UL94V-0		
6	Cat6 Connectors	Features	RJ-45 Modular plug Supports 4 twisted pairs, Meet wiring scheme T568A/T568B Housing: polycarbonate, 94V-2, transparent color Contact terminal: phosphor bronze Finished: 50 micro-inch gold plating, over 50 micro inch Nickel plated on contact area.		

7	Face Plate	Features	Face Plate Single/Double Shutter UK Style with shutter against dust and labeling plate. Accepts Cat5E/Cat6/Cat6A Keystone Jacks with Back Box		
8	Single Mode Armored Optical Fiber Cable	Feature	96 Core, 72 Core, 48 Core, 12 Core, Single-Mode Armored Outdoor Optical Fiber Cable, TYPE OF FIBRE: SM ITU-T G.652D, OUTER SHEATH MATERIAL: HDPE, STRENGTH MEMBER: STEEL WIRE, CORRUGATED STEEL TAPE, GLASS YARN REINFORCEMENT, ATTENUATION dB/km: 1310nm ≤ 0.33-0.35 @ 1550nm ≤ 0.19-0.22		
9	ODF Fully Loaded	Feature	96, 72,48,12/24 Port Rack Mountable ODF Fully loaded with couplers & simplex Pigtails. with splicing kit Metal Shelf: Cold Steel, 1.2mm Thickness, 1U Cover and Front Panel: Alum., 1.2mm Thickness Metal Mounting Ear: Cold Steel, 2.0mm Thickness, 2 Pieces. Splice Tray: ABS Adapter Panel: Cold Steel, 1.5mm Thickness 2 Panels Cable Plug Rubber 28mm Diameter For 4 Cable Entries		
10	Fiber Joint Closure Fully Loaded	Features	Joint Box for splice of 96F, 72F,48F Optical Fiber Cable		

11	42U Network Rack Floor Standing	Features	<p>42U Data Rack Floor Standing Perforated Front & Rear Door Category: Networking Racks (Floor Rack) Color: Black Powder Coated Front and Rear Mounting Channels Single Section, Length of cabinet: 600 x 800 (mm) Height (U): 42U 1 Fix Tray, 4 Fans, Degree of protection: IP20 PDU: 3 x 12 Port Universal Socket PDU. Steel Thickness <= (2 to 3)MM</p>		
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12	12U Double Section Network Rack	Dimensions	Width:24 Inch depth:24 Inch Total height approx. (23-26) Inches		
		Features	<p>12U double section wall mount data cabinet 19-inch standard Powder Coated Material. Standard dimension) with minimum 20 Gauge With 8 port PDU Note: Check PDU Specs</p>		

13	PDU with Surge Protection	Features	<p>Type: 8/12 Port- 19-inch rack mount Power Distribution Unit (PDU) With surge and overload protection 3Mtr Cable (3G X 1.5mm²) Pure Copper Cable & Universal Plugs, (between 10A - 16A) Preferable 13A, Horizontal (rack-mount) / Vertical (0U mounting)</p>		
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14	Fully Loaded Cable Tray	Feature	Galvanized cable tray 06 inches Wide x 2.5 Inches Depth x 08 feet Length with cover and fitting material (with angle iron support), Color Coated		
15	Fiber Patch Cords Duplex	Size Feature	1M and 3M LC-LC Single Mode Duplex fiber patch cord, Designed for high-speed, long-distance data transmission Low insertion loss and high return loss for reliable performance Durable jacket ensures long-lasting protection and stability Ideal for FTTx, data centers, LAN, WAN, and telecom networks Easy installation and secure connectivity		
16	Hand Hole		Size 4ft x 3ft x 4ft Construction of RCC Hand Hole 4x3x4 complete including Labelling, providing & fixing of HH clamps/HH Steel Plate 6"x6", sealing of holes & fixing of Joints.		

Bill of Quantities

Sr. No.	Description	Unit	Quantity	Unit Rate without taxes (Rs.)
1	Data Cabinet 12 U	EA	30	
2	Data Cabinet 42 U	EA	01	
3	Cable Manager	EA	30	
4	Cat-6 Cable Roll (1000 ft)	EA	50	
5	Patch Panels 24 Port	EA	52	
6	Cat-6 Patch Cord 1M	EA	200	
7	Cat-6 Patch Cord 3M	EA	100	
8	Face Plate	EA	350	
9	RJ45 I/O	EA	350	
10	Rj-45 Connector	EA	1000	
11	OFC 72F/96F	M	450	
12	OFC 48F	M	1500	
13	OFC 12F/24F	M	4200	
15	OFC Patch Cord 1M	EA	80	
16	OFC Patch Cord 3M	EA	40	
17	ODF 12/24 Port	EA	26	
18	ODF 48 Port	EA	05	
19	ODF 72/96 Port	EA	01	
20	Joint Box	EA	06	
21	Hand hole	EA	08	
22	Duct 16x25 (10 Ft) Length	EA	600	
23	Duct 16x38 (10 Ft) Length	EA	300	
24	Duct 40x40 (10 Ft) Length	EA	150	
25	PVC Flexible 1-inch	Ft	1500	
26	PVC Flexible 2-inch	Ft	500	
27	GI pipe 1.5-inch (10 Ft Per Length)	EA	50	
28	GI pipe 3-inch (10 Ft Per Length)	EA	5	
29	Cable Tray	Ft	80	
30	Cabinet Installation	EA	31	
31	Optical Fiber Cable Laying Excavation/Boring under Metal/Paved/Kacha area at the Depth 4', Laying of 2" HDPE Pipe (Thickness Min: ≥ 3.7 mm and Material Type PE-100), Warning Tape, Backfilling including Re-instatement/ Re-fixing of Tuff Tiles, PCC in the excavated area & removal/Levelling of surplus earth etc. Hauling/Pulling of Cable Tracing, Rodding/Cleaning of Existing Duct, Cleaning/Repairing of Existing Hand Hole	M	4000	
32	Optical Fiber Splicing per Nod (Splice Loss ≤ 0.1 dB Recommended)	EA	700	

	(Fusion Fiber Splicing with OTDR Testing Reports Including Labeling & Documentation for Each Splice at Joint Box/ODF)			
33	Joint Box Installation	EA	06	
34	UTP Cable Laying and Fluke Test Reports for End Points	Ft	50000	
35	Duct, PVC Pipe Laying	Ft	4150	
36	Galvanized cable tray Laying	Ft	80	

NOTE: Payment will be made according to the actual executed/consumed quantity as per site usage, not the estimated BOQ quantity. The bidders are highly recommended for the site survey before submission of bids.

Provision of on-site fiber splicing training (fusion, OTDR testing, troubleshooting) and submission of complete as-built fiber network documentation including routing diagrams, core allocation, labeling, and test reports (OTDR & power meter) as per TIA/EIA standards.

Diagram For Reference:

[https://drive.google.com/file/d/1VuHzioBmqt165fz218XJtluYrVKZ-Wh6/view?usp=drive link](https://drive.google.com/file/d/1VuHzioBmqt165fz218XJtluYrVKZ-Wh6/view?usp=drive_link)