Standard Bidding Document

Network Firewalls (ICT) Tender No. VU/26-27/08/898 (Goods)

National

Single Stage-Two Envelope

September 05, 2026

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REQUEST FOR BIDS

PROCUREMENT OF GOODS

1. The **Virtual University of Pakistan (Virtual University of Pakistan (VU))** has reserved Funds for the procurement planned for FY **2026-27**. The **Virtual University of Pakistan (Virtual University of Pakistan (VU))** intends to apply part of the proceeds of this Fund to cover eligible payments under the contract for the "**Network Firewalls (ICT) Tender No. VU/26-27/08/898**" with the reference of **"P112363"**

2. The **Virtual University of Pakistan (Virtual University of Pakistan (VU))** invites sealed Bids from eligible Bidders for procurement of goods described in the bidding documents on **EPADS v2.0**.

3. **Single Stage-Two Envelope** will be used by adopting **Least Cost Based Selection (LCBS)** Technique for the subject procurement, in line with the Public Procurement Rules, 2004 and any Regulations, Regulatory Guides, Procurement Guidelines or Instructions issued by the Authority from time to time.

4. All Bids must be accompanied by a Bid Security amounting described in Bid Security Section in Bidding Document in the form of **Pay Order, Banker's Cheque, Call at Deposit, Bank Guarantee, Demand Draft** or all bids must be accompanied by bid securing declaration in the format specified in the Bidding documents

5. E-Bidding documents, containing detailed terms & conditions, specifications and requirements etc. are available on **e-Pak Acquisition and Disposal System (EPADS)** at **https://epads.gov.pk/opportunities/federal/procurements/112363** for all the interested bidders registered on **EPADS v2.0**. Bidders are required to get themselves registered on **EPADS v2.0** to participate in Bidding process.

6. The e-bids, prepared in accordance with the instructions in the e-Bidding Documents, must be submitted through **EPADS v2.0** on or before **Tuesday, September 22, 2026 02:00 PM**. E-bids will be opened using **EPADS v2.0** on the same day at **Tuesday, September 22, 2026 02:30 PM**. Manual

submission of Bids shall not be entertained. Those vendors who have not yet registered on the new version of **EPADS v2.0,** may register themselves on https://vendors.epads.gov.pk/. A tutorial to explain the registration process is available at https://www.youtube.com/watch?v=MNW6T38v7tc

In terms of Rule 48 of Public Procurement Rules, 2004 Grievance Redressal Committee (GRC) is notified for the subject procurement and notification copy is available on the procuring agency's website and on Authority's website at (www.ppra.org.pk).

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Instructions to Bidders

A. Introduction

1.Scope of Bids

1.1 The Procuring Agency (PA), as indicated in the **Bids Data Sheet (BDS)** invites Bids **through EPADS v2.0** for the provision of Goods for as specified in the BDS and **in Section V – Evaluation Criteria, Specifications & Schedule of Requirements**. The name, identification, and number of items/deliverables are provided in the **BDS**. The successful Bidders will be expected to provide the goods within the specified period and timeline(s) as stated in the **BDS**.

2. Source of Funds

2.1 Source of funds is referred in Clause-1 of Invitation for Bids.

3. Eligible Bidders

3.1 A Bidder may be natural person, company or firm or public or semi-public agency of Pakistan or any foreign country**,** or any combination of them with a formal existing agreement (on Judicial Papers) in the form of a joint venture, consortium, or association. In the case of a joint venture, consortium, or association, all members shall be jointly and severally liable for the execution of the Contract in accordance with the terms and conditions of the Contract. The joint venture, consortium, or association shall nominate a Lead Member as nominated in the BDS, who shall have the authority to conduct all business for and on behalf of any and all the members of the joint venture, consortium, or association during the Bidding process, and in case of award of contract, during the execution of the contract.

3.2 Verifiable copy of the agreement that forms a joint venture, consortium or association shall be required to be submitted as part of the Bid.

3.3 The appointment of Lead Member in the joint venture, consortium, or association shall be confirmed by submission of a valid Power of Attorney to the Procuring Agency.

3.4 Any bid submitted by the joint venture, consortium or association shall indicate the part of proposed contract to be performed by each party and each party shall be evaluated (or post qualified if required) with respect to its contribution only, and the responsibilities of each party shall not be substantially altered without prior written approval of the Procuring Agency and in line with any instructions issued by the Authority.

(The limit on the number of members of JV or Consortium or Association may be prescribed in BDS, in accordance with the guidelines issued by the PPRA).

3.5 The invitation for Bids is open to all prospective suppliers, manufacturers, or authorized agents / dealers subject to any provisions of incorporation or licensing by the respective national incorporating agency or statutory body established for that particular trade or business. Procuring agencies shall specify the registration/licensing requirements for the foreign bidders keeping in view the requirement of that business.

3.6 A Bidder shall not have a conflict of interest. All Bidders found to have a conflict of interest shall be disqualified. A Bidder may be considered to have a conflict of interest with one or more parties in this Bidding process, if they:

1. are associated or have been associated in the past, directly or indirectly with a firm or any of its affiliates which have been engaged by the Procuring Agency to provide consulting services for the preparation of the design, specifications and other documents to be used for the procurement of the Goods to be purchased under this Invitation for Bids.

2. have controlling shareholders in common; or

3. receive or have received any direct or indirect subsidy from any of them; or

4. have the same legal representative for purposes of this Bid; or

5. have a relationship with each other, directly or through common third parties, that puts them in a position to have access to information about or influence on the Bids of another Bidder, or influence the decisions of the Procuring Agency regarding this Bidding process; or

6. Submit more than one Bid in this Bidding process.

3.7 A Bidder may be ineligible if –

1. he is declared bankrupt or, in the case of company or firm, insolvent;

2. payments in favor of the Bidder is suspended in accordance with the judgment of a court of law other than a judgment declaring bankruptcy and resulting (in accordance with the national laws) in the total or partial loss of the right to administer and dispose of its property;

3. the Bidder is convicted, by a final judgment, of any offence involving professional conduct;

4. the Bidder is blacklisted locally or by international organizations and hence debarred due to involvement in corrupt and fraudulent practices, or performance failure or due to breach of Bid securing declaration.

3.8 As and when required, bidders shall provide to the Procuring Agency evidence of their eligibility, proof of compliance with the necessary legal requirements to carry out the contract effectively.

3.9 Bidders shall submit Bids relating to the nature, conditions and modalities of sub-contracting wherever the sub-contracting of any elements of the contract amounting to more than ten (10) percent of the Bid price is envisaged.

4. Eligible Goods and Related Services

4.1 All goods and related services to be supplied under the contract shall have their origin in eligible source countries, and all expenditures made under the contract will be limited to such goods and services. For purpose of this Bid, ineligible countries are the countries declared ineligible by the Federal Government.

5. One Bid per Bidder

5.1 A bidder shall submit only one Bid, in the same bidding process, either individually as a Bidder or as a member in a joint venture or any similar arrangement.

5.2 The Bidder shall not engage a subcontractor for any portion of the contract if the value of such subcontracting exceeds thirty percent (30%) of the total contract amount.

6. Cost of Bidding

6.1 Any cost incurred by the bidder relating to the preparation and submission of its Bid shall be borne by the bidder, and the Procuring Agency shall in no case be responsible or liable for those costs, regardless of the conduct or outcome of the bidding process.

B. Bidding Documents

7. Contents of Bidding Document

7.1 The Goods required, Bidding procedures, and terms and conditions of the contract are prescribed in the Bidding Documents. In addition to the Invitation for Bids, the Bidding documents which should be read in conjunction with any addenda issued in accordance with **ITB 9.1** include:

Section I -Invitation to Bids

Section II Instructions to Bidders (ITB)

Section III Bid Data Sheet (BDS)

Section IV Evaluation Criteria, Specifications, Schedule of Requirements

Section V Bid Forms

Section VI General Conditions of Contract (GCC)

Section VII Special Conditions of Contract (SCC)

Section VIII Contract Forms

7.2 The Bidder is expected to examine all instructions, forms, terms and specifications in the Bidding documents. Failure to furnish all the information required in the Bidding documents through **EPADS v2.0** will be at the Bidder's risk and may result in the rejection of his Bids.

8. Clarification of Bidding documents

8.1 A prospective Bidder requiring any clarification of the Bidding documents may notify the Procuring Agency through **EPADS v2.0.**

8.2 The Procuring Agency will within three (3) working days after receiving the request for clarification, respond to any request for clarification through **EPADS v2.0** provided that such request is received not later than three (03) days prior to the deadline for the submission of Bids as prescribed in **ITB 22**

8.3 Copies of the Procuring Agency's response will be forwarded to all identified Prospective Bidders through **EPADS v2.0**, including a description of the inquiry, but without identifying its source.

8.4 Should the Procuring Agency deem it necessary to amend the Bidding document as a result of a clarification, it shall do so following the procedure under **ITB 9.**

8.5 If indicated **in the BDS**, the Bidder's designated representative is invited at the Bidder's cost to attend a pre-Bid meeting at the place, date and time mentioned **in the BDS**. During this pre-Bid meeting, prospective Bidders may request clarification of the schedule of requirement, the Evaluation Criteria or any other aspects of the Bidding document.

8.6 Minutes of the pre-Bid meeting, if applicable, including the text of the questions asked by Bidders, including those during the meeting (without identifying the source) and the responses given, together with any responses prepared after the meeting will be uploaded on **EPADS v2.0**. Any modification to the Bidding documents that may become necessary as a result of the pre-Bid meeting shall be made by the Procuring Agency exclusively through the use of an Addendum pursuant to **ITB 9**. Non-attendance at the pre-Bid meeting will not be a cause for disqualification of a Bidder.

9. Amendment of Bidding documents

9.1 Before the deadline for submission of Bids, the Procuring Agency for any reason, whether at its own initiative or in response to a clarification requested by a prospective Bidder or Pre-Bid meeting may modify the Bidding documents by issuing addenda through **EPADS v2.0**.

9.2 The Procuring Agency shall promptly publish the addendum through **EPADS v2.0**.

9.3 Any addendum issued including the notice of any extension of the deadline shall also be communicated through EPADS v2.0 to all the bidders who have already submitted their bids. Such bidders shall have the right to withdraw their already submitted bid and re-submit the revised bid prior to the original or extended bid submission deadline.

9.4 To give prospective Bidders reasonable time in which to take an addendum/corrigendum into account in preparing their Bids, the Procuring Agency may, at its discretion, extend the deadline for the submission of Bids through **EPADS v2.0**:

Provided that the Procuring Agency shall extend the deadline for submission of Bids, if such an addendum is issued within last three (03) days of the Bids submission deadline.

C. Preparation of Bids

10. Language of Bid

10.1 The Bid prepared by the bidder, as well as all correspondence and documents relating to the Bids exchanged by the Bidder and the Procuring Agency shall be written in the English language unless otherwise specified in the BDS**.** Supporting documents and printed literature furnished by the Bidder may be in another language provided they are accompanied by an accurate translation of the relevant pages in the English language unless otherwise specified in the **BDS**, in which case, for purposes of interpretation of the Bidder, the translation shall govern.

11. Documents and samples Constituting the Bid

11.1 The Bid prepared by the Bidder shall constitute thedocuments required in the **BDS**.

Details of sample(s) where applicable and requested in the BDS.

1. Documentary evidence established in accordance with ITB that the Bidder is eligible and/or qualified for the subject bidding process;

2. Documentary evidence establish that the Bidder has been authorized by the manufacturer to deliver the goods into Pakistan, where required and where the supplier is not the manufacturer of those goods;

3. Documentary evidence establish that the goods and related services to be supplied by the Bidder are eligible goods and services, and conform to the Bidding Documents;

4. Bid security or Bid Securing Declaration furnished in accordance with **ITB 18.**

12. Documents Establishing Eligibility of the Goods and Conformity to Bidding documents

12.1 To establish the conformity of the bidder to the Bidding document, the Bidder shall furnish as part of its Bids the documentary evidence that Goods provided conform to the technical specifications and standards.

13. Documents Establishing Eligibility and Qualification of the Bidder

13.1 The Bidder shall furnish, as part of itsBid, all those documents establishing the Bidder's eligibility to participate in the Bidding process and/or its qualification to perform the contract if its Bid is accepted.

14. Form of Bids

14.1 The Bidder shall fill the Form of Bid furnished in the Bidding documents.The Bids Form must be completed without any alterations to its format and no substitute shall be accepted.

15. Bids Prices

15.1 The Bids Prices quoted by the Bidder in the Form of Bid and in the Price Schedules shall conform to the requirements specified below or exclusively mentioned hereafter in the Bidding documents.

15.2 All items in the Schedule of Requirement must be listed and priced separately in the Price Schedule(s). If a Price Schedule shows items listed but not priced and neither explicitly denied, their prices shall be construed to be included in the prices of other items.

15.3 Items not listed in the Price Schedule shall be assumed not to be included in the Bid, and provided that the Bid is still substantially responsive in their absence or due to their nominal nature, the corresponding average price of the respective item(s) of the remaining substantially responsive Bidder(s) shall be construed to be the price of those missing item(s)

15.4 The Bid price to be quoted in the Form of Bid in accordance with **ITB 14.1** shall be the total price of the Bid.

15.5 The Bidder shall indicate on the appropriate Price Schedule, the unit prices (where applicable) and total Bid price of the Goods it proposes to provide under the contract.

15.6 Prices quoted by the Bidder shall be fixed during the Bidder's performance of the contract and not subject to variation on any account. A Bid submitted with an adjustable price will be treated as non-responsive and shall be rejected.

16. Bids Currencies

16.1 Prices shall be quoted in Pakistani Rupees unless otherwise specified in the BDS in accordance with Rule 30 (2) of the Public Procurement Rules, 2004.

17. Bids Validity Period

17.1 Bids shall remain valid for the period specified in the **BDS** after the Bid submission deadline prescribed by the Procuring Agency. A Bid valid for a shorter period shall be rejected by the Procuring Agency as non-responsive**.** The period of Bid validity will be determined from the complementary Bid securing instrument, i.e. the expiry period of Bid Security or Bids Securing Declaration as the case may be.

17.2 The procuring agency shall ordinarily be under an obligation to process and evaluate the bid and to issue letter of award within the stipulated bid validity period.

17.3 Under exceptional circumstances, prior to the expiration of the initial Bid validity period, the Procuring Agency may request the Bidders' consent to an extension of the period of validity of their Bids only once through **EPADS v2.0**, for the period not more than the period of initial bid validity. The Bid Security provided under **ITB 18** shall also be suitably extended. A Bidder may refuse the request without forfeiting its Bid security or causing to be executed its Bid Securing Declaration. A Bidder agreeing to the request will not be required nor permitted to modify its Bid, but will be required to extend the validity of its Bid Security or Bid Securing Declaration for the period of the extension.

18. Bid Security or Bid Securing Declaration

18.1 The Bidder shall furnish as part of its Bid, a Bid Security in accordance with Rule 25 of the Public Procurement Rules, 2004.

18.2 The original Bid Security shall be enclosed within the sealed envelope and to be submitted physically before closing time for submission of bids. Whereas, scanned copy of bid security shall be uploaded electronically through EPADS v2.0 before closing hours for submission of bids.

18.3 The Bidder who failed to submit the original Bids security before the submission deadline shall be disqualified straightaway.

18.4 The Bid Security or Bid Securing Declaration is required to protect the Procuring Agency against the risk of Bidder's conduct which would warrant the security's forfeiture, pursuant to **ITB 18.7.**

18.5 The Bid Security shall be denominated in the local currency, and it shall be a Bank Draft in the name of the Procuring Agency and valid for twenty-eight (28) days beyond the end of the validity of the Bid. This shall also apply if the period for Bids/Bid Validity is extended. In either case, the form must include the complete name of the Bidder.

18.6 The Bid Security shall be payable promptly upon written demand by the Procuring Agency in case any of the conditions listed in **ITB 18** are invoked.

18.7 Unsuccessful Bidders' Bid Security will be discharged or returned as promptly as possible, however in no case later than thirty (30) days after the expiration of the period of Bids Validity prescribed by the Procuring Agency pursuant to **ITB 17**. The Procuring Agency shall make no claim to the amount of the Bid Security, and shall promptly return the Bid Security document, after whichever of the following that occurs earliest:

a. the expiry of the Bid Security;

b. the entry into force of a procurement contract and the provision of a Performance Guarantee, for the performance of the contract if such a guarantee, is required by the Bid documents;

c. the rejection by the Procuring Agency of all Bids;

d. the withdrawal of the Bids prior to the deadline for the submission of Bids, unless the Bids documents stipulate that no such withdrawal is permitted.

18.8 The successful Bidder's Bids Security will be discharged upon the Bidder signing the contract**,** or furnishing the Performance Guarantee.

18.9 The Bid Security may be forfeited or the Bid Securing Declaration executed:

a. if a Bidder:

b. withdraws its Bid during the period of Bid Validity as specified by the Procuring Agency, and referred by the Bidder on the Form of Bids except as provided for in **ITB 17.2**; or

c. does not accept the correction of errors**;** or

d. in the case of a successful Bidder, if the Bidder fails:

e. to sign the contract; or

f. to furnish Performance Guarantee**.**

19. Withdrawal, Substitution, and Modification of Bid

19.1 Before Bid submission deadline, any Bidder may withdraw, substitute, or modify its Bid after it has been submitted through EPADS v2.0. Bids requested to be withdrawn, shall be returned unopened to the Bidders through **EPADS v2.0**.

20. Format and Signing of Bid

20.1 The Bidder shall prepare and submit Bids with due diligence after carefully reading all the terms and condition **before bid submission deadline** through EPADS v2.0.

D. Submission of Bids

21. Submission of Bids through EPADS v2.0

21.1 The Technical and Financial Bids if required to submitted, shall be submitted on **EPADS v2.0**.

22. Deadline for Submission of Bids

22.1 Bids shall be received by the Procuring Agency through **EPADS v2.0** before bid submission deadline.

22.2 The Procuring Agency may, under exceptional circumstances, extend the deadline for the submission of Bids, after recording reasons in writing and in an equal opportunity manner.

In such case, all rights and obligations of the Procuring Agency and the Bidders that were previously governed by the original deadline shall thereafter be subject to the revised deadline.

E. Opening and Evaluation of Bids

23. Opening of Bids

23.1 The Bid Evaluation Committee of the Procuring Agency shall open all Bids through the EPADS v2.0, on the date and time specified in the Bid Data Sheet (BDS).

23.2 The Bid Evaluation Committee **shall generate minutes through EPADS v2.0 containing brief details of bid opening process.** The record of the Bid opening shall include, as a minimum: the name of the Bidder, the Bid price if applicable, and the presence or absence of a Bid Security or Bid Securing Declaration.

23.3 The procuring agency shall live broadcast the opening of bids on national media or on their website or digital channels, if the volume of procurement exceeds five hundred million rupees in case of goods and services and one thousand million rupees in case of works.

23.4 In case the date of opening of bid has been declared as public holiday or the procuring agency fail to open bid due to any EPADS v2.0 related issues, the submission and opening of bids shall be shifted to the next working day on the same time.

23.5 In case of Single Stage One Envelope Procedure, the Bidders names, the Bid prices, the total amount of each Bid and, the presence or absence of Bid Security, Bid Securing Declaration and such other details as the Procuring Agency may consider appropriate, will be announced by the Bid Evaluation Committee.

24. Clarification of Bids

24.1 To assist in the examination, evaluation and comparison of Bids of the Bidders, the Procuring Agency may, ask any Bidder for a clarification of its Bid including breakdown of prices.

24.2 The request for clarification and the response shall be sought through EPADS v2.0 before **three days prior to the deadline for submission of bids.** No change in the prices or substance of the Bids shall be sought, offered, or permitted.

24.3 The alteration or modification in the BIDS which in any way affect the following parameters will be considered as a change in the substance of a Bids:

1. evaluation & qualification criteria;
2. required scope of work or specifications;
3. all securities requirements;
4. tax requirements;

5. terms and conditions of Bidding documents.
6. change in the ranking of the Bidder

24.4 From the time of Bids opening to the time of Contract award if any Bidder wishes to contact the Procuring Agency on any matter related to the Bids it should do so through **EPADS v2.0**.

25. Preliminary Examination of Bids

25.1 Prior to the detailed evaluation of Bids, the Procuring Agency will determine whether each Bid:

1. meets the eligibility criteria defined in **ITB 3**;
2. has been prepared as per the format and contents defined by the Procuring Agency in the Bidding documents;
3. is accompanied by the required securities; and
4. is substantially responsive to the requirements of the Bidding documents.

25.2 The Procuring Agency's determination of a Bid's responsiveness will be based on the contents of the Bid itself.

25.3 A substantially responsive Bid is one which conforms to all the terms, conditions, and specifications of the Bidding documents, without material deviation or reservation. A material deviation or reservation is one that: -

1. affects in any substantial way the scope, quality, or performance of the Goods;
2. limits in any substantial way, inconsistent with the Bidding documents, the Procuring Agency's rights or the Bidders obligations under the Contract; or
3. if rectified, would affect unfairly the competitive position of other Bidders presenting substantially responsive Bids.

25.3 If a Bids is not substantially responsive, it will be rejected by the Procuring Agency and may not subsequently be evaluated for complete technical responsiveness.

26. Examination of Terms and Conditions; Technical Evaluation

26.1 The Procuring Agency shall examine the Bids to confirm that all terms and conditions specified in the **GCC** and the **SCC** have been accepted by the Bidder without any material deviation or reservation.

26.2 The Procuring Agency shall evaluate the technical aspects of the Bids submitted, to confirm that all requirements specified in Schedule of Requirements and Technical Specifications of the Bidding documents have been met without material deviation or reservation.

26.3 If after the examination of the terms and conditions and the technical evaluation, the Procuring Agency determines that the Bid is not substantially responsive in accordance with **ITB 25.2,** it shall reject the Bid.

27. Correction of Errors

27.1 Bids determined to be substantially responsive will be checked for any arithmetic errors. Errors will be corrected as follows: -

1. if there is a discrepancy between unit prices and the total price that is obtained by multiplying the unit price and quantity, the unit price shall prevail, and the total price shall be corrected, unless in the opinion of the Procuring Agency there is an obvious misplacement of the decimal point in the unit price, in which the total price as quoted shall govern and the unit price shall be corrected;
2. if there is an error in a total corresponding to the addition or subtraction of sub-totals, the sub-totals shall prevail and the total shall be corrected; and
3. where there is a discrepancy between the amounts in figures and in words, the amount in words will govern.
4. Where there is discrepancy between grand total of price schedule and amount mentioned on the Form of Bids, the amount referred in Price Schedule shall be treated as correct subject to elimination of other errors.

27.2 The amount stated in the Bid will, be adjusted by the Procuring Agency 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 amount, its Bid will then be rejected, and the Bid Security may be forfeited or the Bids Securing Declaration may be executed.

28. Conversion to Single Currency

28.1 To facilitate evaluation and comparison, the Procuring Agency will convert all Bids prices expressed in the amounts in various currencies in which the Bids prices are payable. For the purposes of comparison of bids quoted in different currencies, the price shall be converted into a single currency specified in the bidding documents. The rate of exchange shall be the selling rate prevailing on the date of opening of financial bids specified in the bidding documents, in accordance with weighted average customer exchange rates list issued by the State Bank of Pakistan on that day.

29. Evaluation of Bids

29.1 The Bids, quotations, or proposals shall be evaluated by the respective evaluation committees as per evaluation criteria described in the Bidding Documents in accordance with Rule 29 and 30 of the Public Procurement Rules, 2004.

1. Least Cost Based Selection (LCBS)

After meeting the requirements of eligibility, qualification and substantial responsiveness, the bid in compliance with all the mandatory (technical) specifications/requirements and/or requisite quality threshold (if any), and having lowest evaluated cost (or financial proposal) shall be considered Successful Bid.

2. Quality and Cost Based Selection (QCBS)

In such combination, there shall be some specific weightage of both the technical features and financial aspects of the proposal. The financial marks shall be awarded on the basis of inverse proportion calculations. The successful bid shall be declared, on the basis of combined evaluation.

3. Quality Based Selection (QBS)

Atter meeting the requirements of eligibility, qualification and substantial responsiveness the bid in compliance with all the mandatory (technical) specifications/requirements and attaining highest marks in the Technical Evaluation considering all other qualitative and/or quantitative parameters (or point rated criteria) for technical proposal(s) such as working methodology, implementation plan, resource allocation, additional functionalities, risk management approach, knowledge transfer techniques, post implementation methodology etc. shall be treated as highest ranked bid. Later on, the financial proposal of highest ranked bidder shall be opened, however, in case of failure to proceed further with such a bidder, the procuring agency may resort to second highest bidder and so on.

29.2 In case of tie of bids, the bidders shall be provided an opportunity to offer their best and final monetary offer through EPADS v2.0. However, in no case the rates shall be higher than the original financial bids.

30. Domestic Preference

30.1 The procuring agency shall evaluate and compare bids, allow for preference to domestic bidders, while competing with the international bidders in accordance with the policies of Federal Government.

The percentage of preference, to be accorded shall be clearly mentioned in the bidding documents under the bid evaluation criteria.

31. Determination of Successful Bid

31.1 Selection technique will be adopted for determining the Successful Bid in accordance with the criteria referred in the BDS or prescribed in the separate section titled as Evaluation Criteria.

31.2 In case where the Procuring Agency adopts the Cost Based Evaluation Technique and, the Bid with the lowest evaluated price from amongst those which are eligible, compliant and substantially responsive shall be the Successful Bid.

31.3 The Procuring Agency may adopt the Quality & Cost Based Selection Technique due to the following two reasons:

1. Where the Procuring Agency knows about the main features, usage and output of the products; however not clear about the complete features, technical specifications and functionalities of the goods to be procured and requires the bidders to submit their proposals defining those features, specifications and functionalities; or

2. Where the Procuring Agency, in addition to the mandatory requirements and mandatory technical specifications, requires parameters specified in Evaluation Criteria to be evaluated while determining the quality of the goods.

31.4 In such cases, the Procuring Agency may allocate certain weightage to these factors as a part of Evaluation Criteria, and may determine the ranking of the bidders on the basis of combined evaluation in accordance with provisions of Rule 2(1)(h) of the Public Procurement Rules, 2004.

32. Abnormally Low Financial Bids

32.1Where the Bid price is considered to be abnormally low, the Procuring Agency shall perform price analysis either during determination of Successful Bids or as a part of the post-qualification process.

32.2 The Procuring Agency may reject an Abnormally low financial bids.

32.3 In order to identify the Abnormally Low Bids (ALB) following approaches can be considered to minimize the scope of subjectivity:

1. Comparing the Bids price with the cost estimate;

2. Comparing the Bids price with the Bids offered by other Bidders submitting substantially responsive Bids; and

3. Comparing the Bids price with prices paid in similar contracts in the recent past either government- or development partner-funded.

32.4 The Procuring Agency will determine to its satisfaction whether the Bidder that is selected as having submitted the successful bid is qualified to perform the contract satisfactorily.

32.5 The determination will take into account the Bidder's financial, technical, and production capabilities. It will be based upon an examination of the documentary evidence of the Bidder's qualifications submitted by the Bidder, as well as such other information as the Procuring Agency deems necessary and appropriate. Factors not included in these Bidding documents shall not be used in the evaluation of the Bidders' qualifications.

32.6 Procuring Agency may seek "Certificate for Independent Price Determination" from the Bidder and the results of reference checks may be used in determining an award of contract.

Explanation: The Certificate shall be furnished by the Bidder. The Bidder shall certify that the price is determined keeping in view of all the essential aspects such as raw material, its processing, value addition, optimization of resources due to economy of scale, transportation, insurance and margin of profit etc.

32.7 An affirmative determination will be a prerequisite for award of the contract to the Bidder. A negative determination will result in rejection of the Bidder's Bids, in which event the Procuring Agency will proceed to the next ranked Bidder to make a similar determination of that Bidder's capabilities to perform satisfactorily.

F. Award of Contract

33. Criteria of Award

33.1 The Procuring Agency will award the Contract to the Bidder whose Bids has been determined to be substantially responsive to the Bidding documents and who has been declared as Most Advantageous Bidder.

34. Negotiations

34.1 The procuring agency shall not engage in negotiations with respect to scope and price with the bidder except when the procuring agency conducts a procurement using direct **or negotiated** contracting or a request for proposals with evaluation based on quality alone.

34.2 The procuring agency may negotiate with the most advantageous bid with a view to streamline the work or task execution, at the time of contract finalization on methodology, work plan, staffing, finalizing payment arrangements, delivery arrangements, minor amendments to the special conditions of the contract.

35. Procuring Agency Right to reject all bids

35.1 The Procuring Agency reserves the right to reject all bids or proposals at any time prior to the issuance of the Letter of Award, without incurring any liability, in accordance with Rule 33 of the Public Procurement Rules, 2004.

36. Procuring Agency's Right to Vary Quantities at the Time of Award

36.1 The Procuring Agency reserves the right at the time of contract award to increase or decrease the **quantity of** Goods originally specified in these Bidding documents provided this does not exceed **by** 15%, without any change in unit price or other terms and conditions of the Bids and Bidding documents.

37. Notification of Award

37.1 Prior to the award of contract, the procuring agency shall announce and publish the result of bid evaluation on **EPADS v2.0** in accordance with Rule 35 of the Public Procurement Rules, 2004.

37.2 The Bidder whose Bids has been accepted will be notified of the award by the Procuring Agency prior to expiration of the Bids/Bid Validity period. The Letter of Award will state the sum that the Procuring Agency will pay the successful Bidder in consideration for the delivery of Goods as prescribed by the Contract (hereinafter and in the Contract called the "Contract Price).

37.3 The Letter of award will constitute the formation of the Contract, subject to the Bidder furnishing the Performance Guarantee and signing of the contract.

38. Signing of Contract

38.1 Promptly after issuance of Letter of award, Procuring Agency shall send the successful Bidder the draft Contract, incorporating all terms and conditions as agreed by the parties to the contract.

38.2 Immediately after the Redressal of grievance by the GRC (if any), mandatory standstill period in accordance with Rule 35 of the Public Procurement Rules, 2004 and **after fulfillment of all condition's precedent** of the Contract Form, the successful Bidder and the Procuring Agency shall sign the Contract.

39. Corrupt & Fraudulent Practices

39.1 Procuring Agencies (including beneficiaries of Government funded projects and procurement) as well as Bidders/Contractors under Government financed contracts, observe the highest standard of ethics during the procurement and execution of such contracts, and will avoid to engage in any corrupt and fraudulent practices.

F. Grievance Redressal & Complaint Review Mechanism

40. Constitution of Grievance Redressal

40.1 The Grievance Redressal Committee shall address the grievance, if any submitted by any party, including the bidder, in accordance with Rule 48 of the Public Procurement Rules, 2004 to be read with Redressal of Grievances Regulations, 2021.

40.2 In case if any party or the bidder is not satisfied with the decision of the GRC or if it fails to decide within ten days, the bidder or the party may file an appeal before the Appellate Committee of the Authority in accordance with Rule 48 of the Public Procurement Rules, 2004 to be read with Redressal of Grievances Regulations, 2021.

G. Mechanism of Blacklisting

41. Mechanism of Blacklisting

41.1 The Procuring Agency shall initiate blacklisting proceedings against any bidder, supplier, or contractor in accordance with the Mechanism for Blacklisting Regulations, 2024, read with Rule 19 of the Public Procurement Rules, 2004.

41.2 The blacklisted/debarred bidder may file the review petition before the Authority in accordance with Rule 19 of the Public Procurement Rules, 2004 to be read with Procedure of filing and disposal of Review Petitions Regulations, 2021.

Bid Data Sheet

Bids Data Sheet (BDS)

The following specific data for the procurement of Goods to be procured shall complement, supplement, or amend the provisions in the Instructions to Bidders (ITB). Whenever there is a conflict, the provisions herein shall prevail over those in ITB.

BDS Clause Number
ITB Number
Amendments of, and Supplements to, Clauses in the Instruction to Bidders

A. Introduction

BDS Clause Number 1
ITB Number 1.1

Name of Procuring Agency: **Virtual University of Pakistan (Virtual University of Pakistan (VU))**

The subject of procurement is: **Network Firewalls (ICT) Tender No. VU/26-27/08/898**

Expected commencement date: **Friday, October 30, 2026**

BDS Clause Number 2
ITB Number 2.1

Financial year for the operations of the Procuring Agency: **2026-27**

Name and identification number of the Contract: **P112363**

BDS Clause Number 3
ITB Clause Number 3.1

JV/Consortium or Association Allowed: **No**
Number of JV/Consortium Members: **Nil**
see section of eligibility criteria.

B. Bidding Documents

BDS Clause Number 4
ITB Number 8.1

The Bidders may seek clarifications through **EPADS v2.0** : Clarification Date: Thursday, September 10, 2026

C. Preparation of Bids

BDS Clause Number 5
ITB Number 10.1

The Language of all correspondences and documents related to the Bids shall be in: **English**

List of documents required along with the bid:

1. Tender document duly filled, signed & stamped by the bidder Copies of Last Three Tax Return of both Income Tax and Sales Tax All mandatory technical and financial documents which are mentioned in tender documents Technical brochures, details relevant to the offered items.

BDS Clause Number 6
ITB Number 11.1
Items/Lots and threre related documents:
See section items and Lots

BDS Clause Number 7
ITB Number 12.1

Items / Lots Specifications:

see section of items specifications.

BDS Clause Number 8
ITB Number 15.6

The price shall be **Fixed**.

BDS Clause Number 9
ITB Number 16.1

Currency of the Bids shall be : **PKR**

BDS Clause Number 10
ITB Number 17.1

The Bids/Bid Validity period shall be: **90 Days**

BDS Clause Number 11
ITB Number 18.1

The amount of Bid Security shall be as defined in Bid Security Section for items and lots given in **BDS 6**
The Bid Security shall be in the form of: **Pay Order, Banker's Cheque, Call at Deposit, Bank Guarantee, Demand Draft**

D. Submission of Bids

BDS Clause Number 12
ITB Number 20.1

Bid shall be submitted online on EPADS v2.0 whereas hard copy of the bid security should be submitted to the following;

19- Ataturk Avenue, G-5/1, Islamabad, Islamabad Capital Territory before bid submission deadline.

Bids that are not submitted on EPADS v2.0 shall be disqualified.

The deadline for Bids submission is: **Tuesday, September 22, 2026 02:00 PM**

E. Opening and Evaluation of Bids

BDS Clause Number 13
ITB Number 23.1

The Bids opening shall take place on **EPADS v2.0**.

Day *: **Tuesday***

Date: ***Tuesday, September 22, 2026***

Time *: **02:30 PM***

BDS Clause Number 14
ITB Number 31.1

Selection technique adopted will be: **Least Cost Based Selection (LCBS)**
see Evaluation Criteria

F. Review of Procurement Decisions

BDS Clause Number 15
ITB Number 41.1

Grievence against this procurement shall be submitted online on EPADS v2.0.

Arbitrator shall be appointed by mutual consent of the both parties.

Eligibility Criteria

Bidder's Type	Required Registration
Any	FBR (NTN) FBR (GSTN)

Evaluation Criteria

Eligibile bidder(s) with substantially responsive bid(s) offering **Least Cost Based Selection (LCBS)** shall be consider for the award of contract(s).

Least Cost Based Selection (LCBS)

Weightage

Technical Evaluation %
100

Technical Marks	100
Passing Marks	**100**
Technical Evaluation Criteria (Certificate(s) required issued by the Principal/Manufacturer of quoted brand.)	
The bidder must be authorized partner of the quoted brand. (Qualitative)(Doc Required)	10
The bidder must submit a current/valid Authorization certificate to participate in this tender issued by the Principal/Manufacturer of the quoted items. (Qualitative)(Doc Required)	10
The brand should be established since a minimum of five (05) years. (Qualitative)(Doc Required)	10
Local partner representation should be at least three (03) years. (Qualitative)(Doc Required)	10
Warranty and support Coverage from Principal/Manufacturer through its authorized distributor/dealer. (Qualitative)(Doc Required)	10

Technical & Financial requirements (General)	
Financial soundness certificate / Account Maintenance Certificate issued by Bidder’s bank (not older than 03 months) (Qualitative)(Doc Required)	10
Affidavit on Rs.100 stamp paper that the bidder/firm/company is not Blacklisted from PPRA (Qualitative)(Doc Required)	10
Copies of Last Three Tax Return of both Income Tax and Sales Tax (Qualitative)(Doc Required)	10
Validity of the bid for a period of three (3) months (Confirmation required) (Qualitative)(Doc Required)	10
Delivery of ordered items within given Days (Confirmation required on Letterhead) (Qualitative)(Doc Required)	10

Items/Lots

Items Without Lots :

Item	UNSPSC	Delivery Schedule	Quantity	Bid Security	Sample Quantity	Warranty
Network Firewalls (NGFW + WAF)	Firewall network security equipment	**Address:** 19- Ataturk Avenue, G-5/1, Islamabad, Islamabad Capital Territory **Schedule:** 60 Days **Quantity:** 2/Qty	2/Qty	800000 PKR	1	5 Years

Related Services of Goods:

No

Items/Lot Specification

Items Without Lots :

Item: Network Firewalls (NGFW + WAF)

UNSPSC: Firewall network security equipment

Specifications / Requirementsss:

Network Firewalls (NGFW + WAF) (Quantity:2)
BOQ / SPECIFICATIONS OF REQUIRED ITEMS
NGFW Features
Technical Specifications
Firewall Throughput : ≥ 50 Gbps
NGFW Throughput : ≥ 14 Gbps
Application Control Throughput : ≥ 25 Gbps
Concurrent Connections : ≥ 1,000,000
New Connections/ Second : ≥ 500,000
Internal Storage Capacity : ≥ 500 GB SSD
1G RJ45 Interface : ≥ 4
1G Fiber SFP Interface : ≥ 4

Network Firewalls (NGFW + WAF) (Quantity:2)
10G Fiber SFP+ Interface : ≥ 6
Network Module/interface Slot(s) : ≥ 1
1. The proposed solution shall support a minimum of 500 concurrent Site-to-Site IPsec VPN tunnels/connections.
2. The proposed solution must include a minimum of 1,500 concurrent-user licenses for SSL VPN.
3. The proposed solution must include:
· Intrusion Prevention System (IPS)
· Anti-Virus & Anti-Malware
· Email Security Protection
· Cloud-Based Security Sandbox
· URL Filtering
· Anti-Brute Force Attack
· Application Control
· Botnet Protection
· Traffic Shaper
4. The proposed solution shall provide account/user security capabilities to detect and report authentication behavior, compromised accounts, and weak or vulnerable authentication practices.
5. The proposed solution must support automatic/manual configuration backups, including scheduled daily backups with internal storage and the capability to back up configuration files to FTP, TFTP, and SFTP servers.

Network Firewalls (NGFW + WAF) (Quantity:2)
6. The proposed solution must have a connection limitation feature to limit connections by source, destination, or bidirectional traffic and block IPs or discard sessions whenever the configured threshold is violated.
7. The proposed solution must provide global blacklist and whitelist options to block or allow any domain or IP address globally.
8. The proposed solution shall support SSL/TLS inspection for both outbound Internet traffic and inbound traffic destined for protected application servers, subject to applicable security policies and performance requirements.
9. The proposed solution shall support TLS 1.3 inspection/decryption.
10. The proposed solution must provide centralized monitoring of device status, CPU/RAM/disk utilization, traffic, and sessions by device, application, IP address, and interface, Servers & Client Threat dashboards for comprehensive security visibility.
11. The proposed solution should manage bandwidth by:
· Application
· User/group
· IP address
· Schedule
· Country/region
· Sub-interface
· VLAN interface
· VPN tunnel
12. Bandwidth Control shall support:
· Bandwidth guarantee

Network Firewalls (NGFW + WAF) (Quantity:2)
· Bandwidth limit
· Upload/download speed control
· Speed control for individual IP addresses
13. The proposed solution must support Stateful Packet Inspection.
14. The proposed solution must support Deep Packet Inspection (DPI) to identify applications for allowing or denying access.
15. The proposed solution must support Geolocation blocking to allow/deny access from specified countries/regions.
16. The proposed solution must support authentication with LDAP, RADIUS, and POP3, including user import through CSV files.
17. The proposed solution shall support Single Sign-On (SSO) through integration with Microsoft Active Directory/LDAP, RADIUS, and other supported identity/authentication mechanisms. The bidder shall specify the supported SSO methods.
18. The proposed solution must provide DoS/DDoS attack protection for both the network and the device itself.
19. The proposed solution must provide protection against:
· SYN Flood
· ICMP Flood
· ICMPv6 Flood
· UDP Flood
· DNS Flood
· ARP Flood
20. The proposed solution must provide IP scan and port scan prevention.

Network Firewalls (NGFW + WAF) (Quantity:2)
21. The proposed solution must support file filtering for both upload and download directions, including pictures, text files, compressed files, and executable files.
22. The proposed solution shall provide malware inspection and detection capabilities for commonly used network, web, file-transfer, messaging, and application protocols supported by the proposed platform. The bidder shall clearly identify the supported protocols and inspection capabilities.
23. The proposed solution shall support malware inspection of commonly used file formats, including executable, document, compressed, script, image, and other commonly transferred file types. The bidder shall provide details of supported file types/formats.
24. The proposed solution must support Malicious Domain & URL Detection.
25. The proposed solution shall provide detection and prevention of malware-related command-and-control communications, including remote-access Trojan (RAT) activity.
26. The proposed solution shall provide detection of anomalous and suspicious network traffic, including abnormal protocol/port usage and communication patterns.
27. The proposed solution shall provide protection against known and emerging vulnerability exploitation attempts targeting network services, operating systems, applications, databases, middleware, and other protected resources.
28. The proposed solution shall provide configurable brute-force and credential-attack protection for commonly used authentication and remote-access protocols and services.
29. The proposed solution must support Botnet Detection, including detection of:
· DNS tunneling
· ICMP tunneling
· HTTP tunneling

Network Firewalls (NGFW + WAF) (Quantity:2)
· DGA communication
· Other botnet client communications
30. The proposed solution shall provide centralized security visibility and reporting for protected servers and endpoints, including:
· Threat severity
· Threat category/type
· Affected assets
· Security events
· Threat progression/attack indicators
31. The proposed solution shall provide capabilities to detect, identify, monitor, and report ransomware-related activities, indicators of compromise, and associated security risks within the protected environment.
32. The proposed solution shall provide centralized monitoring and reporting of account-related security events, including abnormal login activity, brute-force attempts, suspicious authentication behavior, and potentially compromised accounts.
33. The proposed solution shall record logs to local disk, including:
· Access control logs
· Session logs
· Traffic audit logs
· User authentication logs
· Admin operation logs

Network Firewalls (NGFW + WAF) (Quantity:2)
· SSL VPN logs
· Local ACL logs
34. The proposed solution shall display traffic rankings by:
· User/IP
· Group
· Application type
· Application category
35. The proposed solution shall support security reports in PDF format.
36. The proposed solution shall support centralized logging and monitoring through industry-standard mechanisms, including Syslog and SNMP, with support for multiple log/monitoring destinations. The bidder shall specify the supported Syslog formats and SNMP versions.
37. The proposed solution shall support management through:
· WebUI
· SSH
· CLI
· Serial port
· Other standard management interfaces
38. The proposed solution must support administrator authentication through:
· Local authentication

Network Firewalls (NGFW + WAF) (Quantity:2)
· TACACS server
· RADIUS server
39. The proposed solution must support Out-of-Band Management (OOBM).
40. The proposed solution must support firmware version rollback.
41. The proposed solution must provide troubleshooting capabilities through WebUI, including identification of packet-drop reasons by policy, interface, etc.
42. The proposed solution shall provide logging and reporting capabilities with a minimum retention period of one (01) month, either locally or through an integrated/centralized management and logging platform. All hardware, software, licenses, subscriptions and components required to provide the specified log retention shall be included in the quoted solution.
43. The proposed solution must be a Hardware Appliance.
44. Complete licensing, including all licenses, subscriptions, and features required for Active/Active High Availability (HA), automatic failover, and seamless failback, shall be quoted with each hardware appliance. No additional license or subscription cost shall be applicable for HA, failover, or failback functionality during the quoted license/subscription period.
45. The proposed solution must operate within a temperature range of 0°C to 45°C.
46. The proposed solution must have dual power supplies with hot-swapping capability.
47. The proposed solution must be listed in any year Gartner Magic Quadrant for Next Generation Firewall
48. The proposed solution must be listed in any year ICSA Labs Certified Next Generation Firewall.
49. The proposed solution must be listed in any year CyberRatings for Enterprise Firewall.
WAF Features
1. The proposed solution must be listed in any year of NSS Labs for Web Application Firewall.

Network Firewalls (NGFW + WAF) (Quantity:2)
2. The proposed solution must provide a minimum 7 Gbps Web Application Firewall (WAF) throughput or higher.
3. The proposed solution shall provide advanced, automated, and/or machine-learning-based capabilities for detection of anomalous and emerging web application threats. The bidder shall describe the underlying detection capabilities and applicable licensing requirements.
4. The proposed solution must support IP Geolocation based access control.
5. The proposed solution must support Data Leak Prevention (DLP) for web applications.
6. The proposed solution must provide Brute Force Protection.
7. The proposed solution must provide DoS Prevention for web applications.
8. The proposed solution must support HTTP Header Security.
9. The proposed solution must support Custom Error Messages.
10. The proposed solution must support Error Code Handling and Local Report Center.
11. The proposed solution must provide Application Attack Protection, including protection against the OWASP Top 10.
12. The proposed solution must provide protection against Cross-Site Scripting (XSS) attacks.
13. The proposed solution must provide protection against SQL Injection (SQLi) attacks.
14. The proposed solution must provide protection against Cross-Site Request Forgery (CSRF) attacks.
15. The proposed solution must provide protection against Session Hijacking.
16. The proposed solution must have a built-in vulnerability scanner.
17. The proposed solution must support file upload scanning with Anti-Virus.

Network Firewalls (NGFW + WAF) (Quantity:2)
18. The proposed solution shall provide dedicated and purpose-built Web Application Firewall (WAF) inspection and protection capabilities, independently configurable from general network IPS policies.
19. The proposed solution must support custom WAF rules.
20. The proposed solution must provide protection against buffer overflow attacks, including:
· URL length overflow
· HTTP header overflow
· POST entity overflow
21. The proposed solution must provide CC (Challenge Collapsar) attack prevention.
22. The proposed solution must provide XXE (XML External Entity) attack prevention.
23. The proposed solution must detect HTTP request anomalies.
24. The proposed solution must provide protection against cookie-based attacks.
25. The proposed solution shall support reputation-based threat intelligence services for identification and blocking of malicious IP addresses, domains, URLs, and other known indicators of compromise.
26. The proposed solution shall provide web application vulnerability assessment/scanning capabilities, preferably including passive assessment, with the ability to generate detailed vulnerability reports in commonly used electronic formats.
27. The proposed solution must support Application Hiding to prevent targeted attacks based on feedback information from applications.
28. The proposed solution must support weak password detection and brute-force attack prevention.
29. The proposed solution must support restriction of uploads of blacklisted file types.

Network Firewalls (NGFW + WAF) (Quantity:2)
30. The proposed solution must allow administrators to specify access privileges for sensitive URLs, including administrative pages.
31. The proposed solution must be a Hardware Appliance.
32. Complete licensing, including all licenses, subscriptions, and features required for Active/Active High Availability (HA), automatic failover, and seamless failback, shall be quoted with each hardware appliance. No additional license or subscription cost shall be applicable for HA, failover, or failback functionality during the quoted license/subscription period.
Management and Reporting
1. Graphical Analysis and reporting Tool
2. User/device tracking
· Realtime Dashboard
· OWASP Top 10 attack Categorization
· Geo IP Analytics
3. Must quote Training & Product advanced Certification for three (03) Participants
4. Five (05) Years comprehensive on-site hardware replacement warranty including complete security features licensing cost for Five (05) years.
5. Five (05) Years Software Upgrade & 24x7 Technical Support
6. Must quote onsite deployment & configurations.
Note: The NGFW and WAF capabilities may be provided as an integrated solution or through separate purpose-built appliances from the same or different OEMs, provided that the proposed solution meets all stated technical, performance, integration, licensing, support, and security requirements.

Network Firewalls (NGFW + WAF) (Quantity:2)
The proposed solution shall be equipped with a minimum of six (06) 10GbE SFP+ interfaces per firewall appliance. The bidder shall provide all required 10GbE SFP+ optical transceiver modules for the proposed firewalls as well as compatible 10GbE SFP+ optical transceiver modules for the University's existing Huawei CloudEngine CE6863E-48S6CQ-B core switches, along with all necessary multimode fiber-optic cables, patch cords, connectors, and other accessories required for complete connectivity.
Each firewall appliance shall have at least two (02) independent 10GbE links to each of the two (02) existing core switches, providing a minimum of four (04) 10GbE links per firewall appliance for redundant core-network connectivity. The connectivity shall be designed such that failure of any single link, SFP+ transceiver, or cable does not result in loss of connectivity with the core network.
The remaining available 10GbE interfaces shall be utilized, where required, to provide a minimum of two (02) independent physical HA/synchronization links between the two firewall appliances, ensuring redundancy of HA connectivity and continued synchronization/failover capability in the event of failure of any single HA link, transceiver, or cable.
All required SFP+ transceivers, including those required at the Huawei CloudEngine CE6863E-48S6CQ-B core-switch side, and all necessary cables and accessories for the specified redundant core and HA connectivity shall be included in the quoted price without any additional cost.
Where NGFW and WAF functionality is proposed through separate appliances, the bidder shall provide all additional interfaces, SFP+ optical transceiver modules, fiber-optic cables, HA/synchronization links, inter-appliance connectivity, and other required hardware/accessories necessary to implement the complete, redundant, and fully operational NGFW and WAF solution. Such additional requirements shall be included in the quoted price and shall not be charged separately.
All SFP+ transceivers, including those required at the Huawei CloudEngine CE6863E-48S6CQ core-switch side, and all cables, connectors, and accessories required for the specified core-network, HA, and, where applicable, inter-appliance NGFW-WAF connectivity shall be included in the quoted price. The bidder shall be responsible for ensuring complete compatibility with the proposed solution and the University's existing network infrastructure.

Network Firewalls (NGFW + WAF) (Quantity:2)
Where NGFW and WAF functionality is delivered through separate appliances, the bidder shall provide HA for each security function as required to ensure that failure of a single appliance does not result in loss of the respective security service."
The solution shall support multi-factor authentication (MFA) for administrative access, either natively or through integration with a supported external identity provider.

Price Schedule

For Individual Items

#	Item Title	Quantity	Unit Price (PKR)	Total Price (PKR)	Delivery Location	Delivery Period / Year	Country of Origin
1							
2							

For Lots

#	Lot Title	Total Lot Price (PKR)	Country of Origin
1	[Lot 1 Title]		

General Conditions of Contract

A. General

1. Definitions

1.1 Unless the context otherwise requires, the following terms whenever used in this Contract shall have the same meaning and shall be interpreted as indicated

a. “Applicable Law” means the laws and any other instruments having the force of law in the Government’s Country, or in such other country as may be specified in the Special Conditions of the Contract (SC), as they may be issued and in force from time to time;

b. “Procuring Agency” means:-

a. any Ministry, Division, Department or any Office of the Government;

b. any authority, corporation, body or organization established by or under a Law or which is owned or controlled by the Government;.

c. “The Contract” means an agreement enforceable by law;

d. “The Contract Price” means the price payable to the Bidder under the Contract for the full and proper performance of its contractual obligations;

e. “Ancillary Services” means those services ancillary to the provision of Goods, such as transportation and insurance, and any other incidental services, such as installation, commissioning, provision of technical assistance, training, and other such obligations of the Bidder covered under the Contract;

f. “GCC” means the General Conditions of Contract contained in this section;

g. “SCC” means the Special Conditions of Contract by which the GCC may be amended or supplemented;

h. **“**Day” means calendar day unless indicated otherwise.

i. “Effective Date” means the date on which this Contract comes into force and effect.

j. The Bidder” means the individual or corporate body whose Bids to provide the Goods has been accepted by the Procuring Agency;

k. “The Project Site,” where applicable, means the place or places named in Bids Data Sheet and technical Specifications;

l. “Government” means the Government of Pakistan;

m. “Subcontractor” means any entity to which the Bidder subcontracts any part of the Goods.

n. "Service" means any object of procurement other than goods or works;

o. “Party” means the Procuring Agency or the Bidder, as the case may be, and “Parties” means both of them;

p. “Foreign Currency” means any currency other than the currency of the country of the Procuring Agency;

q. “Completion Date” means the date of completion of the contract by the Bidder as certified by the Procuring Agency;

r. “In Writing” means communicated in written form with proof of receipt;

s. “Local Currency” means the currency of Pakistan;

2. Application and Interpretation

2.1 These General Conditions shall apply to the extent that they are not superseded by provisions of other parts of the Contract.

2.2 In interpreting these Conditions of Contract headings and marginal notes are used for convenience only and shall not affect their interpretations unless specifically stated; references to singular include the plural and vice versa; and masculine include the feminine. Words have their ordinary meaning under the language of the Contract unless specifically defined.

3. Applicable Law

3.1 The contract shall be governed and interpreted in accordance with the laws of Pakistan, unless otherwise specified in SCC.

4. Governing Language

4.1 The Contract as well as all correspondence and documents relating to the Contract exchanged between the Bidder and the Procuring Agency, shall be written in the **English language** unless otherwise stated in the **SCC**. Supporting documents and printed literature that are part of the Contract may be in another language provided these are accompanied by an accurate translation of the relevant passages in English, in which case, for purposes of interpretation of the Contract, this translation shall govern.

5. Notices

5.1 Any notice, request, or consent made pursuant to this Contract shall be in writing and shall be deemed to have been made when delivered in person to an authorized representative of the Party to whom the communication is addressed, or when sent by registered mail, telex, telegram, or facsimile to such Party at the address specified in the **SCC**.

6. Delivery/Location

6.1 The Goods shall be delivered to such locations as the Procuring Agency may approve and as specified in SCC.

7. Authorized Representatives / Authority of Member in charge

7.1 Any action required or permitted to be taken, and any document required or permitted to be executed, under this Contract by the Procuring Agency or the Bidder may be taken or executed by the officials specified in the **SCC**.

B. Commencement, Completion, Modification, and Termination of Contract

8. Effectiveness of Contract

8.1 This Contract shall come into effect on the date the Contract is signed by both parties and such other later date as may be stated in the SCC.

9. Commencement of Services

9.1 The Bidder shall confirm availability of Key Experts and begin carrying out the Services not later than the number of days after the Effective Date specified in the SCC.

10. Program

10.1 Before commencement of the Services, the Bidder shall submit to the Procuring Agency for approval a Program showing the general methods, arrangements, order and timing for all activities. The Services shall be carried out in accordance with the approved Program as updated.

11. Starting Date/Expiration Date

11.1 The Bidder shall start carrying out the Services Five (05) days after the date the Contract becomes effective, or at such other date as may be specified in the **SCC.**

11.2 Unless terminated earlier pursuant to Clause **GCC 15** hereof, this Contract shall expire at the end of such time period after the Effective Date as specified in the SCC.

12. Entire Agreement

12.1 This Contract contains all covenants, stipulations and provisions agreed by the Parties. No agent or representative of either Party has authority to make, and the Parties shall not be bound by or be liable for, any statement, representation, promise or agreement not set forth herein.

13. Modification

13.1 Any modification or variation of the terms and conditions of this Contract, including any modification or variation of the scope of the Services, may only be made by written agreement between the Parties. However, each Party shall give due consideration to any Bids for modification or variation made by the other Party.

13.2 In cases of any modifications or variations, the prior written consent of the Procuring Agency is required.

14. Force Majeure

14.1 Definition

For the purposes of this Contract, “Force Majeure” means an event which is beyond the reasonable control of a Party and which makes a Party’s performance of its obligations under the Contract impossible or so impractical as to be considered impossible under the circumstances.

14.2 No Breach of Contract

The failure of a Party to fulfill any of its obligations under the contract shall not be considered to be a breach of, or default under, this Contract in so far as such inability arises from an event of Force Majeure, provided that the Party affected by such an event (a) has taken all reasonable precautions, due care and reasonable alternative measures in order to carry out the terms and conditions of this Contract, and (b) has informed the other Party as soon as possible about the occurrence of such an event.

14.3 Extension of Time

Any period within which a Party shall, pursuant to this Contract, complete any action or task, shall be extended for a period equal to the time during which such Party was unable to perform such action as a result of Force Majeure.

14.4 Payments

During the period of their inability to perform the Services as a result of an event of Force Majeure, the Bidder shall be entitled to continue to be paid under the terms of this Contract, as well as to be reimbursed for additional costs reasonably and necessarily incurred by them during such period for the purposes of the Services and in reactivating the Service after the end of such period.

15. Termination

15.1 By the Procuring Agency

The Procuring Agency may terminate this Contract in case of the occurrence of any of the events specified in paragraphs (a) through (e) of this Clause. In such an occurrence the Procuring Agency shall give at least thirty (30) calendar days' written notice of termination to the Bidder in case of the events referred to in (a) through (d); at least sixty (60) calendar days' written notice in case of the event referred to in (e);

a. If the Bidder fails to remedy a failure in the performance of its obligations hereunder, as specified in a notice of suspension;

b. If the Bidder becomes (or, if the Bidder consists of more than one entity, if any of its members becomes) insolvent or bankrupt or enter into any agreements with their creditors for relief of debt or take advantage of any law for the benefit of debtors or go into liquidation or receivership whether compulsory or voluntary;

c. If the Bidder fails to comply with any final decision reached as a result of arbitration proceedings;

d. If, as the result of Force Majeure, the Bidder is unable to perform a material portion of the Services for a period of not less than sixty (60) calendar days;

e. If the Procuring Agency, in its sole discretion and for any reason whatsoever, decides to terminate this Contract;

15.2 By the Bidder

The Bidder may terminate this Contract, by not less than thirty (30) calendar days' written notice to the Procuring Agency, in case of the occurrence of any of the events specified in paragraphs (a) through (d) of this Clause.

a. If the Procuring Agency fails to pay any money due to the Bidder pursuant to this Contract and not subject to dispute within forty-five (45) calendar days after receiving written notice from the Bidder that such payment is overdue.

b. If, as the result of Force Majeure, the Bidder is unable to perform a material portion of the Services for a period of not less than sixty (60) calendar days.

c. If the Procuring Agency fails to comply with any final decision reached as a result of arbitration.

d. If the Procuring Agency is in material breach of its obligations pursuant to this Contract and has not remedied the same within forty-five (45) days (or such longer period as the Bidder may have subsequently approved in writing) following the receipt by the Procuring Agency of the Bidder's notice specifying such breach.

C. Obligations of the Bidder

16. General

16.1 Standard of Performance

1. The Bidder shall deliver the product and carry out the Services with all due diligence, efficiency and economy, in accordance with generally accepted professional standards and practices, and shall observe sound management practices, and employ appropriate technology and safe and effective equipment, machinery, materials and methods. The Bidder shall always act, in respect of any matter relating to this Contract or to the Services, as a faithful adviser to the Procuring Agency, and shall at all times support and safeguard the Procuring Agency's legitimate interests in any dealings with the third parties.

16.2 Law Applicable to Goods

The Bidder shall deliver the goods in accordance with the Contract and in accordance with the Law of Pakistan and shall take all practicable steps to ensure that any of its Experts and Sub-Bidders, comply with the Applicable Law.

17. Conflict of Interests

17.1 Bidder Not to Benefit from Commissions and Discounts.

The remuneration of the Bidder shall constitute the Bidder's sole remuneration in connection with this Contract or the Services, and the Bidder shall not accept for their own benefit any trade commission, discount, or similar payment in connection with activities pursuant to this Contract or to the Services or in the discharge of their obligations under the Contract, and the Bidder shall use their best efforts to ensure that the Personnel, any Subcontractors, and agents of either of them similarly shall not receive any such additional remuneration.

17.2 Bidder and Affiliates Not to be Otherwise Interested in Project

The Bidder agree that, during the term of this Contract and after its termination, the Bidder and its affiliates, as well as any Subcontractor and any of its affiliates, shall be disqualified from providing Goods for any project resulting from or closely related to the Services.

17.3 Prohibition of Conflicting Activities

Neither the Bidder nor its Subcontractors nor the Personnel shall engage, either directly or indirectly, in any of the following activities:

a. during the term of this Contract, any business or professional activities in the Government's country which would conflict with the activities assigned to them under this Contract;

b. during the term of this Contract, neither the Bidder nor their Subcontractors shall hire public employees in active duty or on any type of leave, to perform any activity under this Contract;

18. Confidentiality

18.1 Except with the prior written consent of the Procuring Agency, the Bidder and the Experts shall not at any time communicate to any person or entity any confidential information acquired in the course of the contract.

19. Insurance to be Taken Out by the Bidder

19.1 The Bidder(a) shall take out and maintain, and shall cause any Subcontractors to take out and maintain, at its (or the Subcontractors', as the case may be) own cost but on terms and conditions approved by the Procuring Agency, insurance against the risks, loss or damage, and for the coverage, as shall be specified in the SCC; and (b) at the Procuring Agency's request, shall provide evidence to the Procuring Agency showing that such insurance has been taken out and maintained and that the current premiums have been paid.

20. Bidder's Actions Requiring Procuring Agency's Prior Approval

20.1 The Bidder shall obtain the Procuring Agency's prior approval in writing before taking any of the following actions:

(a) appointing such members of the Personnel not provided by the Bidder;

(b) changing the Program of activities; and

(c) any other action that may be specified in the SCC.

21. Reporting Obligations

21.1 The Bidder shall submit to the Procuring Agency the reports and documents in the numbers, and within the periods as prescribed by the Procuring Agency.

22. Liquidated Damages

22.1 If the Supplier fails to deliver any or all of the Goods or to perform the Services within the period(s) specified in the Contract, the Procuring Agency shall, without prejudice to its other remedies under the Contract, deduct from the Contract Price, as liquidated damages, a sum equivalent to the percentage specified in **SCC** of the delivered price of the delayed Goods or unperformed Services for each week or part thereof of delay until actual delivery or performance, up to a maximum deduction of the performance security (or guarantee) specified in **SCC**. Once the said maximum is reached, the Procuring Agency may consider termination of the Contract pursuant to **GCC Clause 15.**

22.2 Correction for Over-payment

If the Intended Completion Date is extended after liquidated damages have been paid, the Procuring Agency shall correct any overpayment of liquidated damages by the Bidder by adjusting the next payment certificate. The Bidder shall be paid interest on the overpayment, calculated from the date of payment to the date of repayment, at the rates specified in SCC.

22.3 Lack of performance penalty

If the Bidder has not corrected a Defect within the time specified in the Procuring Agency's notice, a penalty for Lack of performance will be paid by the Bidder. The amount to be paid will be calculated as a percentage of the cost of having the Defect corrected, assessed as specified in the SCC.

23. Performance Guarantee

23.1 Within Seven (07) days from the issuance of acceptance letter from the Procuring Agency, the successful Bidder shall furnish the Performance Guarantee in shape of ------- at the discretion of the PA in the amount **specified in SCC.** In case the amount of Bids security is equal or greater than

23.2 The proceeds of the Performance Guarantee shall be payable to the Procuring agency as compensation for any loss resulting from the Supplier's failure to complete its obligations under the Contract.

23.3 The Performance Guarantee shall be denominated in the currency of the Contract, or in a freely convertible currency acceptable to the Procuring agency and shall be in the acceptable form as specified in SCC.

23.4 The Performance Guarantee will be discharged by the Procuring agency and returned to the Supplier not later than thirty (30) days following the date of completion of the Supplier's performance obligations under the Contract, including any warranty obligations, unless otherwise **specified in SCC.**

24. Fraud and Corruption

24.1 The Procuring Agency requires the Supplier to disclose any commissions or fees that may have been paid or are to be paid to agents or any other party with respect to the Bidding process or execution of the Contract. The information disclosed must include at least the name and address of the agent or other party, the amount and currency, and the purpose of the commission, gratuity or fee.

25. Sustainable Procurement

25.1 The Bidder shall conform to the sustainable procurement contractual provisions, if and as specified in the SCC.

D. Bidder's Personnel

26. Description of Personnel

26.1 The titles, agreed job descriptions, minimum qualifications, and estimated periods of engagement in the carrying out of the Services of the Bidder's Key Personnel. The Key Personnel listed by title as well as by name are hereby approved by the Procuring Agency.

27. Removal and/or Replacement of Personnel

27.1 Except as the Procuring Agency may otherwise agree, no changes shall be made in the Key Personnel. If, for any reason beyond the reasonable control of the Bidder, it becomes necessary to replace any of the Key Personnel, the Bidder shall provide as a replacement a person of equivalent or better qualifications.

27.2 If the Procuring Agency finds that any of the Personnel have (i) committed serious misconduct or have been charged with having committed a criminal action, or (ii) have reasonable cause to be dissatisfied with the performance of any of the Personnel, then the Bidder shall, at the Procuring Agency's written request specifying the grounds thereof, provide as a replacement a person with qualifications and experience acceptable to the Procuring Agency.

27.3 The Bidder shall have no claim for additional costs arising out of or incidental to any removal and/or replacement of Personnel.

E. Obligations of the Procuring Agency

28. Assistance and Exemptions

28.1 The Procuring Agency shall use its best efforts to ensure that the Government shall provide the Bidder such assistance and exemptions as specified in the SCC.

29. Change in the Applicable Law

29.1 If, after the date of this Contract, there is any change in the Applicable Law with respect to taxes and duties which increases or decreases the cost of the related Services rendered by the Bidder, then the remuneration and reimbursable expenses otherwise payable to the Bidder under this Contract shall be increased or decreased accordingly by agreement between the Parties, and corresponding adjustments shall be made to the amounts referred in the SCC.

30. Services and Facilities

30.1 The Procuring Agency shall make available to the Bidder and the Experts, for the purposes of the Services and free of any charge, the services, facilities and property described , at the times and in the manner specified in the SCC or terms of reference.

30.2 In case that such services, facilities and property shall not be made available to the Bidder, the Parties shall agree on (i) any time extension that it may be appropriate to grant to the Bidder for the performance of the Services, (ii) the manner in which the Bidder shall procure any such services, facilities and property from other sources, and (iii) the additional payments, if any, to be made to the Bidder as a result thereof.

F. Payments to the Bidder

31. Contract Price

31.1 The price payable shall be in Pakistani Rupees unless otherwise specified in the SCC. Prices charged by the Supplier for Goods delivered under the Contract shall not vary from the prices quoted by the Supplier in its Bid.

32. Terms and Conditions of Payment

32.1 Payments will be made to the Bidder according to the payment schedule stated in the SCC and as per actual invoice submitted by the Bidder.

32.2 Unless otherwise stated in the SCC, the advance payment shall be made against the provision by the Bidder of a bank guarantee for the same amount, and shall be valid for the period stated in the SCC. Any other payment shall be made after the conditions listed in the SCC for such payment have been met, and the Bidder have submitted an invoice to the Procuring Agency specifying the amount due.

33. Currency of Payment

33.1 Any payment under this Contract shall be made in the currency(ies) specified in the SCC.

G. Quality Control

34. Identifying Defects

34.1 The principle and modalities of Inspection of the Goods by the Procuring Agency shall be as indicated in the SCC. The Procuring Agency shall check the Bidder's performance and notify him of any Defects that are found. Such checking shall not affect the Bidder's responsibilities. The Procuring Agency may instruct the Bidder to search for a Defect and to uncover and test any service that the Procuring Agency considers may have a Defect. Defect Liability Period is as defined in the SCC.

35. Correction of Defects,and

Lack of Performance Penalty

35.1 The Procuring Agency shall give notice to the Bidder of any Defects before the end of the Contract. The Defects liability period shall be extended for as long as Defects remain to be corrected.

35.2 Every time notice a Defect is given, the Bidder shall correct the notified Defect within the length of time specified by the Procuring Agency's notice.

35.3 If the Bidder has not corrected a Defect within the time specified in the Procuring Agency's notice, the Procuring Agency will assess the cost of having the Defect corrected, the Bidder will pay this amount, and a Penalty for Lack of Performance.

36. Taxes and Duties

36.1 A Supplier shall be entirely responsible for all taxes, duties, fees, etc., incurred until delivery of the contracted Goods to the Procuring Agency.

H. Settlement of Disputes

37. Alternate Dispute Resolution

37.1 The disputes between the parties to the contract may be settled in accordance with Public Procurement Rules, 2004.

37.2 The procuring agency shall refer the matter to the Chief Justice Islamabad High Court or Managing Director PPRA or the Secretary Ministry of Law & Justice for appointment of Arbitrator.

37.3 The fee for the Arbitrator shall be specified in Pak Rupees as determined by the appointing authority which shall be borne and shared equally by the contracting parties.

Special Conditions of Contract

SECTION VIII. SPECIAL CONDITIONS OF CONTRACT

The following Special Conditions of Contract shall supplement the General Conditions of Contract. Whenever there is a conflict, the provisions herein shall prevail over those in the Conditions of Contract. The corresponding clause number of the GCC is indicated in parentheses.

Number of GC Clause

Amendments of, and Supplements to, Clauses in the General Conditions of Contract

Number of GC Clause 1

Definitions

The Procuring Agency is: Virtual University of Pakistan (Virtual University of Pakistan (VU)), Manager 19- Ataturk Avenue, G-5/1, Islamabad, Islamabad Capital Territory

The Supplier is:

The title of the subject procurement is: Network Firewalls (ICT) Tender No. VU/26-27/08/898

Number of GC Clause 3

Applicable/Governing Law:

The Contract shall be interpreted in accordance with the laws of Islamic Republic of Pakistan

Number of GC Clause 4

Language:

The language of the Contract, all correspondence and communications to be given, and all other documentation to be prepared and supplied under the Contract shall be in **English.**

Number of GC Clause 5

Notices:

The addresses for the notices are:

Procuring Agency:

Virtual University of Pakistan (Virtual University of Pakistan (VU)), Manager
19- Ataturk Avenue, G-5/1, Islamabad, Islamabad Capital Territory
+92-300-065-6935
ejazqureshi@vu.edu.pk

Contractor/ Bidder:

[Name, address and telephone number].

The Contractor/ Bidder's Representative(s)

[Name, address, telephone number and e-mail address]

Number of GC Clause 7.1

The Authorized Representatives are:

For the Procuring Agency:

Virtual University of Pakistan (Virtual University of Pakistan (VU)), Manager
19- Ataturk Avenue, G-5/1, Islamabad, Islamabad Capital Territory
+92-300-065-6935
ejazqureshi@vu.edu.pk

For the Bidder:

Name: ………………………

Designation: ……………..

Address: ……………………………..

Number of GC Clause 8

Effectiveness of the contract

Number of GC Clause 9

Commencement of Contract:

Number of GC Clause 11.2

Expiration of Contract:

Number of GC Clause 15

Termination

In the event of termination of the contract due to any reason as already defined in the General Conditions of Contract, the Bidder shall be responsible for providing to the Authority the Goods till the time of alternate arrangements.

Number of GC Clause 17

Conflict of Interest:

The Procuring Agency reserves the right to determine on a case-by-case basis whether the Bidder should be disqualified from providing goods or services due to a conflict of a nature described in Clause GCC 17**.**

Number of GC Clause 22

Liquidated Damages

If the Bidder fails to provide services as required under the contract or in case of any data loss/data breach or any incident compromising the data security or other such failures related to any services, the Bidder shall pay to the Procuring Agency as Liquidated Damages at a rate of **0.10%** to **10.00%** of the Contract value, in accordance with the extent of performance failure & the cost of investigating such incidents as judged by the Authority.

Number of GC Clause 23

Performance Guarantee:

The amount of performance guarantee shall be **5.00%** of the contract price in acceptable form of **Bank Guarantee**

Number of GC Clause 32

Payment terms:

Payment will be made to the Bidder against the procured Goods and services according to the actual invoice or running bills submitted by the Bidder against the services provided within the time given in the conditions of the contract.

Number of GC Clause 33

Currency of Payment:

All the payment to be released to the contractor/Bidder shall be in Pakistani Rupees.

Number of GC Clause 34

Identifying Defects:

The Authority reserves the right at any time to inspect the premises of the provider to inspect the goods and monitor the goods being provided.

Inspections & Tests Requirements

For being Brand New, bearing relevant reference numbers of the equipment

For Physical Fitness having No Damages

For the Country of Origin as quoted by the Supplier

For successful operation at site after complete installation, testing and commissioning of the equipment (Installation, Testing and Commissioning Report by Inspection Team)

Delivery & Documents

Copies of the Supplier's invoice showing Goods' description, quantity, unit price, and total amount;

Manufacturer's or Supplier's Valid Warranty Certificate;

Certificate of Origin.

The above documents would be required even if the equipment has already been imported and is available with the supplier ex-stock

Original Delivery Challan

General Sales Tax Invoice

Number of GC Clause 37

Following is the guidance for Dispute Resolution

i. If any dispute of any kind whatsoever shall arise between the Authority and the Bidder in connection with or arising out of the Contract, including without prejudice to the generality of foregoing, any question regarding its existence, validity, termination and the execution of the Contract – whether during developing phase or after their completion and whether before or after the termination, abandonment or breach of the Contract – the parties shall seek to resolve any such dispute or difference by mutual diligent negotiations in good faith within 14 (fourteen) days following a notice sent by one Party to the other Party in this regard**.**

ii. At future of negotiation the dispute shall be resolved through mediation and mediator shall be appointed with the mutual consent of the both parties**.**

iii. At the event of failure of mediation to resolve the dispute relating to this contract such dispute shall finally be resolved through binding Arbitration by sole arbitrator in accordance with Arbitration Act 1940. The arbitrator shall be appointed by mutual consent of the both parties**.** The Arbitration shall take place in Islamabad, Pakistan and proceedings will be conducted in English language.

iv. The cost of the mediation and arbitration shall be shared by the parties in equal proportion however the both parties shall bear their own costs and lawyer's fees regarding their own participation in the mediation and arbitration. However, the Arbitrator may make an award of costs upon the conclusion of the arbitration making any party to the dispute liable to pay the costs of another party to the dispute**.**

v. Arbitration proceedings as mentioned in the above clause regarding resolution of disputes may be commenced prior to, during or after completion of the contract.

Notwithstanding any reference to the arbitration herein, the parties shall continue to perform their respective obligations under the Contract unless they otherwise agree that the Authority shall pay the Bidder any monies due to the Bidder.

Rules of procedure for arbitration proceedings:

Any dispute between the Authority and a Bidder who is a national of the Islamic Republic of Pakistan arising in connection with the present Contract shall be referred to adjudication or arbitration in accordance with the laws of the Islamic Republic of Pakistan including Arbitration Act 1940, however above provision shall prevail in referring the case to the Arbitrator.

Place of Arbitration and Award:

The arbitration shall be conducted in English language and place of arbitration shall be at Islamabad. The award of the arbitrator shall be final and shall be binding on the parties.

Bid Securing Declaration

Form 9: Bid Securing Declaration

Date: *[insert date (as day, month and year)]*

Bid No.:***P112363***

To: **Virtual University of Pakistan (Virtual University of Pakistan (VU)), Manager 19- Ataturk Avenue, G-5/1, Islamabad, Islamabad Capital Territory**

We, the undersigned, declare that:

We understand that, according to your conditions, Bids must be supported by a Bid Securing Declaration.

We accept that we will be blacklisted and henceforth cross debarred for participating in respective category of public procurement proceedings for a period of (not more than) six months, if fail to abide with a bid securing declaration, however without indulging in corrupt and fraudulent practices, if we are in breach of our obligation(s) under the Bid conditions, because we:

1. have withdrawn or modified our Bid during the period of Bid Validity specified in the Form of Bid;
2. Disagreement to arithmetical correction made to the Bid price; or
3. having been notified of the acceptance of our Bid by the Procuring Agency during the period of Bid Validity, (i) failure to sign the contract if required by Procuring Agency to do so or (ii) fail or refuse to furnish the Performance Security or to comply with any other condition precedent to signing the contract specified in the Bidding Documents.

We understand this Bid Securing Declaration shall expire if we are not the successful

Bidder, upon the earlier of (i) our receipt of your notification to us of the name of the successful Bidder; or (ii) twenty-eight (28) days after the expiration of our Bid.

Contract Form

SECTION IX: CONTRACT FORMS

THIS AGREEMENT made the _____ day of __________ 20_____ between **Virtual University of Pakistan (Virtual University of Pakistan (VU)), Manager 19- Ataturk Avenue, G-5/1, Islamabad, Islamabad Capital Territory**

(hereinafter called "the Procuring Agency") of the one part and *[name of Bidder]* of *[city and country of Bidder]* (hereinafter called "the Bidder") of the other part:

WHEREAS the Procuring Agency invited Bids for provision of goods, viz., **Network Firewalls (ICT) Tender No. VU/26-27/08/898 (*P112363*)** and has accepted a Bids by the Bidder for the provision of Goods in the sum of *[contract price in words and figures]* (hereinafter called "the Contract Price").

NOW THIS CONTRACT WITNESSETH AS FOLLOWS:

1. In this Contract words and expressions shall have the same meanings as are respectively assigned to them in the Conditions of Contract referred to.

2. The following documents shall be deemed to form and be read and construed as part of this Contract, In the event of any ambiguity or conflict between the Contract Documents listed below, the order of precedence shall be the order in which the Contract Documents are listed below:-

1. This form of Contract;
2. the Form of Bids and the Price Schedule submitted by the Bidder;
3. the Schedule of Requirements;
4. the Technical Specifications;
5. the Special Conditions of Contract;
6. the General Conditions of the Contract;
7. the Procuring Agency's Letter of Acceptance; and
8. [*add here: any other documents*]

3. In consideration of the payments to be made by the Procuring Agency to the Bidder as hereinafter mentioned, the Bidder hereby covenants with the Procuring Agency to provide the Goods related services and to remedy defects therein in conformity in all respects with the provisions of the Contract.

4. The Procuring Agency hereby covenants to pay the Bidder in consideration of the provision of 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 whereof the parties hereto have caused this Contract to be executed in accordance with their respective laws the day and year first above written.

Signed, sealed, delivered by ___________________the _________________ (for the Procuring Agency)

Witness to the signatures of the Procuring Agency:

………………………………………………

Signed, sealed, delivered by ___________________the _________________ (for the Procuring Agency)

Witness to the signatures of the Bidder: ………………………………………………

Integrity Pact

Integrity Pact

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

Contract Number: Contract Value: Contract Title:

Dated:

[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 or any administrative subdivision or agency thereof or any other entity owned or controlled by it (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, fee 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 consultations 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, representative or warranty.

[Name of Supplier] accepts full responsibility and strict liability for making and false declaration, not making full disclosure, misrepresenting fact 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 right 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 time 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.

Performance Guarantee Form

Performance Guarantee Form

To: **Virtual University of Pakistan (Virtual University of Pakistan (VU)), Manager 19- Ataturk Avenue, G-5/1, Islamabad, Islamabad Capital Territory**

WHEREAS *[name of Bidder]* (hereinafter called "the Bidder") has undertaken, in pursuance of Contract No. *[reference number of the contract]* dated *[insert date]* for provision of Goods(hereinafter called "the Contract").

AND WHEREAS it has been stipulated by you in the said Contract that the Bidder shall furnish you with a Bank Guarantee by a reputable bank for the sum specified therein as security for compliance with the Bidder's performance obligations in accordance with the Contract.

AND WHEREAS we have agreed to give the Bidders guarantee:

THEREFORE, WE hereby affirm that we are Guarantors and responsible to you, on behalf of the Bidder, up to a total of *[amount of the guarantee in words and figures]*, and we undertake to pay you, upon your first written demand declaring the Bidder to be in default under the Contract and without cavil or argument, any sum or sums within the limits of *[amount of guarantee]* as aforesaid, without your needing to prove or to show grounds or reasons for your demand or the sum specified therein.

This guarantee is valid until the: *[insert date]*

Signature and seal of the Guarantors

____

[name of bank or financial institution]

____

[address]

[date}

Annexure

VU Tender Document

Information (Read-Only)

See Form Under Additional Forms and Documents: **VU Tender Document** (page number: 79)

Procurement Forms

Additional Forms and Documents

VIRTUAL UNIVERSITY OF PAKISTAN

TENDER NOTICE

Through e_Pak Acquisition and Disposal System (EPADS) v2.0

Sealed Tenders are invited through (EPADS v2.0) **https://epads.gov.pk** from the Firms who are registered with Tax Authorities on Active Taxpayers List (ATL) of FBR, for the following:

Sr. No.	Description	Tender Fee (Rs.)	Tender Opening Date	Tender Receiving / Opening Time
1.	Tender No. VU/26-27/08/897 **Different Items for Electronics Lab (CS)**	1,000/-	September 21, 2026	Receiving: 02:00pm Opening: 02:30pm
2.	Tender No. VU/26-27/08/898 **Network Firewalls(ICT)**	1,000/-	September 22, 2026	Receiving: 02:00pm Opening: 02:30pm

Tender documents for the above-mentioned tender(s) are also available on the Virtual University of Pakistan website **(https://www.vu.edu.pk/Opportunities/Tenders).** However, bids shall be submitted only **through EPADS v2.0.** Any bid submitted through any other mode shall not be considered.

The complete tendering process shall be carried out through EPADS v2.0.

Interested bidders are required to register themselves on EPADS v2.0 (https://epads.gov.pk) and submit their bids electronically through the EPADS v2.0 portal.

The Bid Security (if applicable), in the amount and form specified in the bidding documents and drawn in favor of the Virtual University of Pakistan, shall be uploaded as a scanned copy on EPADS v2.0. The original Bid Security, along with one hard copy of the sealed bid, must also be submitted physically to the Virtual University of Pakistan at the address provided below on or before the bid closing date and time.

Bids requiring Bid Security that are submitted without the prescribed Bid Security shall be rejected. The bid submission and opening schedule shall be strictly observed.

The University reserves the right to accept or reject any bid, or to annul the procurement process at any stage, in accordance with the provisions of the Public Procurement Rules, 2004.

This Tender Notice is also available on the PPRA website (www.ppra.gov.pk) and the Virtual University of Pakistan website.

PID(I)2061/26

PROCUREMENT DEPARTMENT
DIRECTORATE OF FINANCE VIRTUAL UNIVERSITY OF PAKISTAN
SIR SYED MEMORIAL SOCIETY BUILDING 19-ATATURK AVENUE, G-5/1, ISLAMABAD
Phone No. 051-111-880-880 Extensions: 1354 / 1323 / 2823, 1651
Email: po@vu.edu.pk Website: www.vu.edu.pk
VU NTN: 4388557-8

VIRTUAL UNIVERSITY OF PAKISTAN

Sir Syed Memorial Society Building, 19-Ataturk Avenue, G-5/1, Islamabad

http://www.vu.edu.pk

TENDER DOCUMENT

NETWORK FIREWALLS (ICT)

Tender No. VU/26-27/08/898

This tender will be opened on **September 22, 2026 at 02:30pm** in the Procurement Department, VirtualUniversity of Pakistan, Sir Syed Memorial Society, 19-Ataturk Avenue, G-5/1, Islamabad.

Name of Firm/Company: ______________________________

Office Address: ______________________________

Contact Person: ____________________ Designation: ____________________

Phone No: ______________ Fax No: ______________ Cell No. ______________

GST Reg. No: ____________________ N.Tax Number: ____________________

Active email address (in CAPITAL letters): ______________________________

Status of Firm/Company (Pls. tick appropriate box)

Manufacturer / Authorized Dealer / Distributor ☐

General Supplier / Reseller ☐

ITEMS MARKED WITH (*) MUST BE ATTACHED; OTHERWISE, YOUR BID WILL BE DECLAREDAS NON-RESPONSIVE.

PROCUREMENT METHOD:
"SINGLE STAGE TWO ENVELOPS BIDDING PROCEDURE"

1. Bidding is on the basis of National Competitive Bidding (NCB) in accordance with "Single Stage Two Envelope Bidding Procedure" comprising of "Technical Proposal & Financial Proposal" (Separately Sealed) in single package, as per PPRA-Rules 2004 Clause No. 36(b).
2. No bid shall be considered if;
    - Not uploaded at EPADS v2.0
    - Not provided in shape of hard copy by the given schedule at given location
    - Both uploaded and hard copies of the bids must be with the same bidder name
    - Received without Original Bid Security (if any) and Tender Fee in a single envelop
3. Tender document duly completed should reach the Procurement Department, Directorate of Finance, Virtual University of Pakistan, not later than **02:00 pm on September 22, 2026**. Late Tenders will not be entertained. No telegraphic or faxed bid will be accepted.
4. Technical Proposals shall be opened at **02:30 pm on the same date** in the office of Procurement Department, Directorate of Finance, Virtual University of Pakistan, Islamabad.
5. **VU shall open all bids through EPADS v2.0 as per given schedule and place specified above, in presence of the bidders' representatives who choose to attend the meeting and shall sign an attendance sheet as evidence of their presence.**

6. Sealed Financial Proposals shall be held in safe custody. Financial Proposals will be opened publicly after completing the technical evaluation, in the presence of technically qualified bidder(s), on the date and the timings given afterwards.
7. Financial Proposals of technically non-qualified bidder(s) shall be returned un-opened / not considered.
8. If two or more bidders quote the same price in Financial Proposal, then the contract will be equally divided among all those bidder(s) or will be awarded to the bidder with better technical specification or Virtual University may ask the bidders to submit Financial Proposal again.

TERMS AND CONDITIONS:

1. The notice published in the media shall be considered an integral part of this tender document.
2. The Bidder is expected to examine all instructions, forms, terms and specifications in the Bidding Documents carefully. Failure to furnish the required information may result in the rejection of the Bid.
3. Tender shall be opened on the given date, time and venue. In the case of holiday on given tender opening date, same shall be opened on next working day.
4. Tender should be addressed to the Director Finance, Virtual University of Pakistan.
5. VU takes no responsibility for delay, loss or non-receipt of bids sent by post/courier.
6. Original tender Document, along with item specifications must be attached. All pages must be signed and stamped. **(*)**
7. Technical evaluation shall be carried out by the Technical Evaluation Committee and finalized according to the recommendations of the Committee.
8. Please attach financial soundness certificate / Account Maintenance Certificate issued by your bank which should not be older than 03 months. **(*)**
9. The bidder must submit an "Affidavit" on Rs.100/- Stamp Paper that the Bidder/Firm/Company/Contractor is not Blacklisted from Public Procurement Regulatory Authority (PPRA). Draft is given herewith in the document. **(*)**
10. The bidder submit the list of Directors/Partners/Owners along with the bid**.**
11. The bidder must be a registered taxpayer with FBR on Active Taxpayer List (ATL) and certificatemust be attached for NTN and GST. (If GST is exempted, please provide necessary evidence). **(*)**
12. GST should be exclusively/separately indicated in the Tender document and bill/invoice.
13. Bidder(s) should quote their rates (including all applicable taxes & duties at the prevailing rates) clearly on the Tender Document for each item both in figures and words.
14. The bid shall remain valid for a period of three (3) months from the date of opening of the bid. Validity of bid for a shorter period shall be rejected as non-responsive. **(*)**
15. To submit a tender with the Virtual University of Pakistan, bidders are required to deposit **Rs.1,000/- online in any branch of Allied Bank Limited in Account No. PK58ABPA0010061279710055 (Virtual University of Pakistan). (*)**
16. The original deposit slip must be attached with the bid. This amount is a non-refundable tender fee and is mandatory. Cash, crossed/open cheques, Pay Orders, or Demand Drafts are not acceptable.
17. Bids submitted without the tender fee shall not be accepted. (*)
18. **The bidder shall furnish, as part of its bid, a Bid Security(ies) (Earnest Money) as mentioned in the bidding documents uploaded at EPADS v2.0 in the form of Demand Draft (DD), Pay Order (PO), Call Deposit Receipt (CDR), or Bank Guarantee only. Cheques shall not be accepted. (*)**
19. Bids without bid security shall not be entertained, even if the bidder is technically qualified. (*)
20. A scanned copy of the bid security must be uploaded on EPADS V2.0, and the original hard copy must be submitted physically along with the bidding documents on the closing date. (*)
21. The deposit slip/proof of online transfer of the Tender Fee and Bid Security(ies) must be submitted in the required form, in a separate envelope placed inside the main envelope. (*)
22. The bid security shall be refundable to unsuccessful bidders after finalization of the tender.
23. Bid security of successful bidder (in which warranty is applicable) will be retained till providing

the Performance Security in shape of a Bank Guarantee as per detail given ahead.

24. The successful bidder shall have to furnish within **Twenty one (21) days** after the execution / signing of the contract / issuance of Purchase Order, a performance security to the amount of **5% of the contract price / value of the Purchase Order** to VU. The proceeds of the performance security shall be payable to VU as compensation for any loss resulting from the Supplier's failure to complete its obligations under the contract / order. The performance securityshall be denominated in the currency of the contract and shall be in the following form.

    a. A Bank Guarantee issued by any Commercial Bank located in Pakistan ("A" rated or above).

    b. The performance bond will be discharged by VU not later than **15 days** following the date of expiry of the warranty, under the contract / purchase order.

25. If the Performance security is not submitted to VU within the specified period or its amount is less than 5% of the contract price / purchase order value, VU reserves the right to cancel the award of contract / purchase order and forfeit the Bid Security.

26. Items must be delivered to the Virtual University of Pakistan's Head Office at the address mentioned below or as instructed by the university within **Sixty (60) days** from receipt of the Purchase Order.

    a. No extensions will be allowed unless granted by Purchase committee on solid grounds.
    b. Delay in provision of goods/item(s)/services by the bidder(s)/supplier(s) in accordance with the time schedule prescribed in the General Terms and Conditions (GTC) shall not be tolerated and in such default, penalty for delaying goods/item(s) shall be imposed @ 0.1% per day of the total contract / order amount or value of the items / services delivered after due date, which will be capped to maximum of 10% of the total value of the Contract / purchase order / undelivered items/services.
    c. The penalty on the value of goods/item(s) not delivered in time will be imposed which may lead to cancellation of order without any liability to the university and the said bidder/supplier/firm/company may also be blacklisted.
    d. Moreover, any penalty may be imposed by the VU in case of any default by the bidder/supplier, in addition to initiating legal action against such defaulter. Virtual University has also the right to stop its pending payment or forfeit its guarantee/security submitted to the Virtual University of Pakistan in this procurement or any other contract.

27. Notwithstanding anything contrary provided in the provisions of General Terms and Conditions (GTC) Clauses, the Bidder/Supplier shall not be liable for forfeiture of its performance security, liquidated damages, late delivery charges, or termination for default if and to the extent that it's delay in performance or other failure to perform its obligations under the Contract is the result of an event of the Force Majeure.

    a. For purposes of this clause, "Force Majeure" means an event beyond the control of the Bidder/Supplier and not involving the Bidder/Supplier's fault or negligence and not foreseeable. such as, acts of God, perils of navigation, floods, storms, earthquakes, fire, hostilities, war (declared), terrorism, Port closure, Impositions of restrictions or regulations by any Government or Government Agency, illegality arising from applicable domestic or foreign laws or regulations, blockage and strikes that is politically motivated strikes and is widespread or nationwide, insurrection.

    b. A change in economic/market circumstances or unexpected hike in prices affecting the profitability of a contract or the ease with which parties' obligations can be performed, is not a force majeure event."

    c. If a Force Majeure situation arises, the Bidder/Supplier shall promptly notify the Virtual University in writing within five days from the date of such event of such condition and the cause thereof along with evidence, moreover take all steps that are reasonably necessary to mitigate or remove the consequences of force majeure. Where such notice of Force Majeure is not served by the Party claiming Force Majeure within the period prescribed herein then that Party's right to claim Force Majeure for that event would stand irrevocably waived.

    d. Unless otherwise directed by the Virtual University in writing, the Bidder/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. The benefit of Force Majeure shall be in favor of the client (VU), if it happened anytime.

28. Virtual University requires Contractors/Bidders, to the highest standard of ethics during the procurement and execution of contracts. For the purposes of this provision, the terms set forth in PPRA Rules /Act shall be applicable:

   a. VU will bar a firm/company/individual bidders/Contractors /consultant or whatsoevernamed, in accordance with Blacklisting procedures under Public Procurement Rules 2004 in any case if deems so.
   b. Furthermore, the Contractor/ Bidder(s) shall be aware of the provision stated in the General Terms & Conditions of the Contract.

29. Virtual University may, under the applicable Law (s) for a specified period, debar a bidder/ Contractor from participating in any public procurement process of VU, if the bidder or Contractor has

   a. Acted in a manner detrimental to the public interest or good practices.
   b. Consistently failed to perform its obligation under the contract.
   c. Not performed the contract up to the mark.
   d. Indulged in any corrupt practice.

   If VU debars a bidder/Contractor, the procuring agency:

   a. The said bidder/firm/company may also be blacklisted for a period of at least three (03) years.
   b. May forward the decision to the Public Procurement Regulatory Authority (PPRA) for publication on the website of the PPRA; and
   c. May request the PPRA to debar the bidder or contractor for procurement of allprocuring agencies.

30. Virtual University has the right to take any legal action against the bidder/supplier/firm/company, in addition to blacklisting, if it is found involved in corrupt practices.

31. Virtual University reserves the right to increase or decrease the quantity of goods specified ahead at the time of award of tender as per PPRA Rules. VU also reserves the right to place the order on a partial shipment basis.

32. The supplied items should conform to the standard specifications, must be brand new and be free from defects in all respects.

33. Income tax and GST shall be withheld as per Government rules.

34. Payment shall be released after submission of the Commercial invoice & Sales Tax Invoice, duly verified by the technical department. The payment will be made in accordance with SRO 660(I) 2007.

35. Virtual University reserves the right to accept or reject any bid or annul the procurement process a tany time as prescribed under PPRA Rules.

36. A bidder requiring any clarification in the bidding document shall contact the VU in writing within **Five (05) days through EPADS v2.0 or through given email**. The VU will respond in writing to respond to any clarification provided that such request is received within time. Should the clarification result in changes to the essential elements of the bidding documents, the VU shall amend the bidding documents at any time prior to the deadline for the submission of bids. The VU may amend the bidding documents by issuing addenda. Any addendum issue shall be part of the bidding document and shall be communicated in writing to all who obtained the bidding document from the VU. The VU shall also promptly publish the addendum to the Bidder on the VU website and EPADS v2.0.

37. To assist in the examination, evaluation, comparison of the Bids, and qualification of the Bidders, the VU may, at its discretion, ask any Bidder for a clarification of its Bid. Any clarification submitted by a Bidder in respect to its Bid and that is not in response to a request by the VU shall not be considered. The VU request for clarification and the response shall be in writing. No change, including any voluntary increase or decrease, in the prices or substance of the Bid shall be sought, offered, or permitted, except to confirm the correction of arithmetic errors discovered by the VU in the evaluation of the Bids. If a Bidder does not provide clarifications of its Bid by the

date and time set in the VU request for clarification, its Bid may be rejected.

38. Provided that the Bid is substantially responsive, the VU shall correct arithmetical errors on the following basis:

a. if there is a discrepancy between the unit price and the line-item total that is obtained by multiplying the unit price by the quantity, the unit price shall prevail and the line-item total shall be corrected, unless in the opinion of the VU there is an obvious misplacement of the decimal point in the unit price, in which case the line-item total as quoted shall govern and the unit price shall be corrected.

b. if there is an error in a total corresponding to the addition or subtraction of subtotals, the subtotals shall prevail and the total shall be corrected.

c. if there is a discrepancy between words and figures, the amount in words shall prevail, unless the amount expressed in words is related to an arithmetic error, in which case the amount in figures shall prevail subject to (a) and (b) above.

39. Bidders shall be requested to accept correction of arithmetical errors. Failure to accept the corrections shall result in the rejection of the Bid.

40. Amicable Settlement

VU 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 this contract.

Except as otherwise provided in the contract, any difference, dispute or question arising out of or with reference to this contract which cannot be settled amicably, shall within **(30) thirty days** from the date that either party informs the other in writing that such difference, dispute or question exists, be referred to arbitration.

Within 30 days of the said notice, one arbitrator shall be nominated in writing by VU and one arbitrator shall be nominated in writing by the Supplier. The two arbitrators shall initiate arbitration proceedings at Islamabad. In case the two arbitrators do not reach any agreement, a third arbitrator shall be selected by the two arbitrators.

The arbitration shall be conducted in accordance with the rules of procedure set forth in the Arbitration Act 1940 or as subsequently amended. The contract of the majority of the arbitrators shall be final and binding on both Parties. Each party shall bear the cost of its own arbitrator and the cost of the third arbitrator shall be borne equally by both parties. In the event of an arbitrator resigning or becoming incapable or unable to act, the party nominating such arbitrator shall be entitled to appoint another one in the place of the outgoing arbitrator. Proceedings shall continue without recommencing as if such arbitrator had been originally nominated.

An abnormally Low Bid is one where the Bid price, in combination with other constituent elements of the Bid, appears unreasonably low to the extent that the Bid price raises material concerns with the Procuring Agency as to the capability of the Bidder to perform the Contract for the offered Bid price. In the event of identification of a potentially abnormally Low Bid, the VU shall seek written clarification from the Bidder, including a detailed price analysis of its Bid price in relation to the subject matter of the contract, scope, delivery schedule, allocation of risks and responsibilities and any other requirements of the bidding document. After evaluation of the price analysis, in the event that the VU determines that the Bidder has failed to demonstrate its capability to perform the contract for the offered Bid price, the VU shall reject the Bid.

41. The University reserves the right to accept or reject any bid or annul the procurement process at any time in accordance with PPRA Rules.

42. Payment shall be made as per actual verified quantity after submission of the Sales Tax Invoice, duly verified by the concerned department, in accordance with SRO 660(I) 2007. Income tax and GST shall be withheld as per Government rules.

43. Delivered items must conform to standard specifications and VU requirements and free from any defect(s) in all respect.

MANDATORY DOCUMENTS REQUIRED

(MUST BE ATTACHED WITH THE TECHNICALPROPOSAL ON TOP OF ALL DOCUMENTS AND TO BE SUBMITTED AT THE TIME OF OPENING OF TECHNICALS BID(S):

Sr. No	Description	Attached (Yes / No)
	General	
1	Bid Security in the shape of DD/PO/CDR or a Bank Guarantee amounting to Rs. 800,000/-	
2	Tender document duly filled, signed & stamped by the bidder	
3	Tender Fee Rs. 1,000/- in shape of paid Bank Deposit Slip	
4	Financial soundness certificate / Account Maintenance Certificate issued by Bidder's bank (not older than 03 months)	
5	Affidavit on Rs.100 stamp paper that the bidder/firm/company is not Blacklisted from PPRA	
6	Copy of NTN & GST certificate	
7	Copies of Last Three Tax Return of both Income Tax and Sales Tax	
8	Validity of the bid for a period of three (3) months (Confirmation required)	
9	Delivery of ordered items within given Days (Confirmation required on Letterhead)	
	Technical (Certificate(s) required issued by the Principal/Manufacturer of quoted brand)	
1	The bidder must be authorized partner of the quoted brand.	
2	The bidder must submit a current/valid Authorization certificate to participate in this tender issued by the Principal/Manufacturer of the quoted items.	
3	The brand should be established since a minimum of five (05) years.	
4	Local partner representation should be at least three (03) years.	
5	Warranty and support Coverage from Principal/Manufacturer through its authorized distributor/dealer.	
	Technical (Others)	
1	The bidder must have offices/workshop at 03 major cities, i.e., Lahore, Islamabad/Rawalpindi, Karachi (Please mention the current addresses in the bid)	

NOTE:

- Your bid will be rejected if any of the above documents are not attached with the bid.
- Warranty certificate on the supplier(s) letterhead shall be provided in original by the successful bidder(s)/supplier(s) upon delivery along with the invoice.

Bidder's Name:___________________________________

Sign & Stamp of Bidder: ____________________________

EVALUATION CRITERIA:

i. Initial scrutiny of tender documents/bids
ii. Technical Evaluation as per BOQ
iii. Evaluation of Demo / sample Unit(s) **if needed**
iv. Selection of technically compliant bidder(s)
v. Financial Evaluation of compliant bidders(s)
vi. Award of tender to the Most advantageous bidder(s)

Procurement Department
Directorate of Finance
Virtual University of Pakistan
Sir Syed Memorial Society Building,
19-Ataturk Avenue, G-5/1, Islamabad
UAN: 051-111-880-880
Technical Queries Ext 1651
Financial Queries 1323, 1354
VU NTN: 4388557-8
Email: po@vu.edu.pk

Declaration by the Bidder
Should be on Rs.100/- stamp paper

I, being the owner/proprietor/director/authorized representative of the firm/company, hereby certify that I have read and understood all the terms and conditions of this office and accept the same without any reservation.

I further confirm that all items and/or services provided shall be of the best quality, strictly in accordance with the prescribed standards, specifications, and requirements. I undertake to replace or redo, at my own cost, any item or service found to be substandard, unsatisfactory, or defective, without any claim whatsoever against the Virtual University of Pakistan (VU).

In case of failure to comply with the above, I understand and agree that VU shall have the right to impose penalties, confiscate the earnest money and blacklist the firm/company in accordance with applicable rules.

I hereby also confirm to provide on-site warranty including service & support with parts for complete unit(s) (where applicable) from the date of delivery.

I further declare that, as of the date of this undertaking, the firm/company is not blacklisted by the Public Procurement Regulatory Authority (PPRA) or any other government organization.

SIGNATURE & STAMP

Name: __________________

Designation: _____________

TECHNICAL PORTION

TECHNICAL TERMS AND CONDITIONS:

1. The bidder must have offices/workshop at 03 major cities, i.e., Lahore, Islamabad/Rawalpindi, Karachi (Please mention the current addresses in the bid) **(*)** in order to ensure timely repair/maintenance of the supplied items. The bidder should clearly indicate the cities where they will be able to arrange effective after-sales service and how the service will be offered/provided.
2. The bidder will arrange a demo according to the specifications quoted in the bid, as and when required by the university.
3. The bid should clearly indicate the Manufacturer's warranty for the period mentioned against each item. The bidder shall be responsible to provide free installation, commissioning, and free comprehensive on-site replacement warranty (VU, Head Office and/or any of its Campuses in other cities of Pakistan) including service & support with parts for the said warranty period from the date of delivery. If the bidder fails to provide the warranty as per tender terms and conditions the firm may be blacklisted for a period of three (03) years.

MANDATORY DOCUMENTARY REQUIREMENT (TECHNICAL) (MUST BE ATTACHED WITH TECHNICAL PROPOSAL):

Sr. No	Vendor Qualification	Document Needed	Attached (Yes / No)
1	The bidder must be authorized partner of the quoted brand.	Certificate required issued by the Principal/Manufacturer of quoted brand.	
2	The bidder must submit a current/valid Authorization certificate to participate in this tender issued by the Principal/Manufacturer of the quoted items.		
3	The brand should be established since a minimum of five (05) years.		
4	Local partner representation should be at least three (03) years.		
5	Warranty and support Coverage from Principal/Manufacturer through its authorized distributor/dealer.		

NOTE:

- Your bid will be rejected if any of the above documents are not attached to the bid.
- Warranty certificate, on the supplier(s) letterhead shall be provided in original by the successful bidder(s)/supplier(s) upon delivery along with the invoice.

TERMS AND CONDITIONS OF CONTRACT FOR SUCCESSFUL BIDDER:

TERMS AND CONDITIONS OF CONTRACT FOR THE SUCCESSFUL BIDDER

1. **Implementation and Deployment**

The OEM/Successful Bidder shall be responsible for the complete implementation, deployment, configuration, integration, testing, and commissioning of the proposed Network Firewalls (NGFW + WAF). The scope shall include:

- Installation and configuration
- Performance tuning and optimization
- Configuration of NGFW and WAF security policies in accordance with OEM recommendation.
- Functional and operational testing prior to handover.

2. **Installation Schedule**

All installation, configuration and maintenance activities shall be planned to minimize disruption to the University's normal operations. The Successful Bidder shall coordinate implementation activities with the University and provide an implementation schedule indicating the timeline for deployment. Any planned service interruption shall only be carried out with the prior approval of Virtual University (VU).

3. **Documentation**

Upon successful implementation, the Successful Bidder shall provide comprehensive technical documentation in both hard and soft copy, including but not limited to:

- Next Generation Firewall configuration documentation.
- Web application Firewall configuration documentation.
- Security policies and exceptions.
- System architecture and deployment diagram.
- Administrative and operational manuals.
- Backup and restoration procedures (where applicable).

4. **Software Updates and Upgrades**

During the entire subscription/support period, the Successful Bidder shall provide, at no additional cost:

- Software version upgrades.
- Security patches.
- Signature and threat intelligence updates.
- Detection engine updates.
- Feature enhancements released by the OEM.

5. **Technical Support**

The Successful Bidder shall provide comprehensive OEM-backed technical support for Network Firewalls (NGFW + WAF) throughout the subscription/support period, including:

- Remote and on-site support, whenever required.
- Troubleshooting and fault rectification.
- Configuration assistance.
- OEM escalation support for critical issues.

6. **Training**

OEM recommended trainings with respect to quoted solution will be arranged by the OEM/successful bidder for the quoted solution with certification track for at least three (03) VU resources through certified trainer/professional.

7. **Implementation Timeline**

The Successful Bidder shall complete the deployment, configuration, integration, testing, and commissioning of the complete solution within fifteen (15) calendar days from the date of delivery.

8. **Acceptance Testing**

Final acceptance of the solution shall be subject to successful completion of installation, configuration, integration, functional testing, training and demonstration that all specified features are operating satisfactorily. The project shall be considered complete only after issuance of an Acceptance Certificate by Virtual University.

9. **Warranty and Support**

The Successful Bidder shall provide comprehensive on-site hardware replacement warranty including service and support and complete security features licensing cost for Five (05) years. The Successful Bidder shall provide comprehensive OEM-backed support and subscription services from the date of deployment of complete solution. The support shall include software updates and support, technical assistance, and replacement or reactivation of licenses, where applicable.

10. **Failure to Provide warranty and Support**

Failure of the Successful Bidder to fulfill the contractual warranty, subscription, or support obligations may result in action under the applicable procurement rules and the terms of the contract, including forfeiture of performance security, imposition of penalties, termination of the contract, and blacklisting for a period of three (03) years.

11. **Integrity Pact**

The Successful Bidder shall execute an Integrity Pact in the prescribed format, affirming that no official or employee of Virtual University has any direct or indirect interest in the contract or any benefit arising therefrom. Any violation of the Integrity Pact shall render the contract liable to cancellation and may result in legal or administrative action in accordance with the applicable laws and procurement regulations.

SLA AGREEMENT FOR SUCCESSFUL BIDDER

The Successful Bidder shall provide comprehensive OEM-backed technical support and maintenance services for the supplied Network Firewalls (NGFW + WAF) throughout the subscription/support period. The support shall cover all hardware, software, subscriptions, licenses, security services, and associated components supplied under the purchase order.

The support services shall include, but shall not be limited to, incident management, troubleshooting, software/firmware updates, security signature updates, configuration assistance, bug fixes, performance optimization, security policy configuration, vulnerability remediation, license/subscription management, and escalation to the OEM where required.

Scope of Services

- SLA time period = 05 Years
- The Successful Bidder agrees to provide comprehensive technical support for the Network Firewalls (NGFW + WAF) as specified in the Purchase Order and technical specifications.
- The bidder shall ensure that all required OEM licenses, subscriptions, security updates, firmware/software updates, patches, signatures, and security services remain valid and operational throughout the SLA period.

Support Availability

- **Critical Incidents:** 24x7x365 support.
- **Non-Critical Incidents:** Monday to Friday during normal business hours (excluding public holidays), unless otherwise agreed.
- Support shall be available through telephone, email, remote access, and on-site visits whenever required.

1. Service Levels

Severity	Description	Initial Response Time	Resolution / Workaround Time
Critical (Severity-1)	Complete failure or unavailability of the Network Firewalls (NGFW + WAF); Network Firewalls (NGFW + WAF) becoming inaccessible; complete loss of network or web application protection; major security incident, ransomware attack, active exploitation, or security incident affecting production services with no available workaround.	Within 30 minutes	Within 4 hours
High (Severity-2)	Major functionality impaired; significant degradation of Network Firewall (NGFW + WAF) security functions; failure of IPS/IDS, application control, URL filtering, VPN, threat protection, SSL inspection, WAF protection, or other critical security features affecting systems/services.	Within 1 hour	Within 8 hours
Medium (Severity-3)	Partial functionality affected; isolated Network Firewall (NGFW + WAF) policy issues; configuration problems; policy deployment failure; reporting/logging issues; performance degradation; or malfunction of non-critical security features.	Within 4 hours	Within 1 business days

Low (Severity-4)	General technical queries, configuration assistance, policy optimization, reporting assistance, documentation requests, minor issues, or enhancement/guidance requests.	Within 1 business day	Within 3 business days

2. Penalties

2.1 **Failure to Meet SLAs**: In the event that the bidder fails to meet the specified response time or resolution time outlined above, penalties shall be applied as follows:

- For the delay beyond the agreed response time, a penalty of Rs. 5,000/hour shall be applicable.
- For the delay beyond the agreed resolution time, a penalty of Rs. 10,000/day shall be applicable.
- If the bidder does not provide resolution within time VU reserves the right to blacklist the bidder for the period of three (03) years.

3. Miscellaneous

Any modifications or amendments to this SLA must be made in writing and signed by both parties.

4. Signatures

This SLA is executed in duplicate originals, each of which shall be deemed an original and all of which shall constitute together but one and the same agreement.

Client Signature: ____________________________ Date: _______________

Bidder Signature: ___________________________ Date: _______________

BOQ / SPECIFICATIONS OF REQUIRED ITEMS

Network Firewalls (NGFW + WAF) (Quantity:2)

NGFW Features

Technical Specifications	
Firewall Throughput	≥ 50 Gbps
NGFW Throughput	≥ 14 Gbps
Application Control Throughput	≥ 25 Gbps
Concurrent Connections	≥ 1,000,000
New Connections/ Second	≥ 500,000
Internal Storage Capacity	≥ 500 GB SSD
1G RJ45 Interface	≥ 4
1G Fiber SFP Interface	≥ 4
10G Fiber SFP+ Interface	≥ 6
Network Module/interface Slot(s)	≥ 1

1. The proposed solution shall support a minimum of 500 concurrent Site-to-Site IPsec VPN tunnels/connections.
2. The proposed solution must include a minimum of 1,500 concurrent-user licenses for SSL VPN.
3. The proposed solution must include:
    - Intrusion Prevention System (IPS)
    - Anti-Virus & Anti-Malware
    - Email Security Protection
    - Cloud-Based Security Sandbox
    - URL Filtering
    - Anti-Brute Force Attack
    - Application Control
    - Botnet Protection
    - Traffic Shaper
4. The proposed solution shall provide account/user security capabilities to detect and report authentication behavior, compromised accounts, and weak or vulnerable authentication practices.
5. The proposed solution must support automatic/manual configuration backups, including scheduled daily backups with internal storage and the capability to back up configuration files to FTP, TFTP, and SFTP servers.
6. The proposed solution must have a connection limitation feature to limit connections by source, destination, or bidirectional traffic and block IPs or discard sessions whenever the configured threshold is violated.

7. The proposed solution must provide global blacklist and whitelist options to block or allow any domain or IP address globally.
8. The proposed solution shall support SSL/TLS inspection for both outbound Internet traffic and inbound traffic destined for protected application servers, subject to applicable security policies and performance requirements.
9. The proposed solution shall support TLS 1.3 inspection/decryption.
10. The proposed solution must provide centralized monitoring of device status, CPU/RAM/disk utilization, traffic, and sessions by device, application, IP address, and interface, Servers & Client Threat dashboards for comprehensive security visibility.
11. The proposed solution should manage bandwidth by:
    - Application
    - User/group
    - IP address
    - Schedule
    - Country/region
    - Sub-interface
    - VLAN interface
    - VPN tunnel
12. Bandwidth Control shall support:
    - Bandwidth guarantee
    - Bandwidth limit
    - Upload/download speed control
    - Speed control for individual IP addresses
13. The proposed solution must support Stateful Packet Inspection.
14. The proposed solution must support Deep Packet Inspection (DPI) to identify applications for allowing or denying access.
15. The proposed solution must support Geolocation blocking to allow/deny access from specified countries/regions.
16. The proposed solution must support authentication with LDAP, RADIUS, and POP3, including user import through CSV files.
17. The proposed solution shall support Single Sign-On (SSO) through integration with Microsoft Active Directory/LDAP, RADIUS, and other supported identity/authentication mechanisms. The bidder shall specify the supported SSO methods.
18. The proposed solution must provide DoS/DDoS attack protection for both the network and the device itself.
19. The proposed solution must provide protection against:
    - SYN Flood
    - ICMP Flood
    - ICMPv6 Flood

- UDP Flood
- DNS Flood
- ARP Flood

20. The proposed solution must provide IP scan and port scan prevention.
21. The proposed solution must support file filtering for both upload and download directions, including pictures, text files, compressed files, and executable files.
22. The proposed solution shall provide malware inspection and detection capabilities for commonly used network, web, file-transfer, messaging, and application protocols supported by the proposed platform. The bidder shall clearly identify the supported protocols and inspection capabilities.
23. The proposed solution shall support malware inspection of commonly used file formats, including executable, document, compressed, script, image, and other commonly transferred file types. The bidder shall provide details of supported file types/formats.
24. The proposed solution must support Malicious Domain & URL Detection.
25. The proposed solution shall provide detection and prevention of malware-related command-and-control communications, including remote-access Trojan (RAT) activity.
26. The proposed solution shall provide detection of anomalous and suspicious network traffic, including abnormal protocol/port usage and communication patterns.
27. The proposed solution shall provide protection against known and emerging vulnerability exploitation attempts targeting network services, operating systems, applications, databases, middleware, and other protected resources.
28. The proposed solution shall provide configurable brute-force and credential-attack protection for commonly used authentication and remote-access protocols and services.
29. The proposed solution must support Botnet Detection, including detection of:
    - DNS tunneling
    - ICMP tunneling
    - HTTP tunneling
    - DGA communication
    - Other botnet client communications
30. The proposed solution shall provide centralized security visibility and reporting for protected servers and endpoints, including:
    - Threat severity
    - Threat category/type
    - Affected assets
    - Security events
    - Threat progression/attack indicators
31. The proposed solution shall provide capabilities to detect, identify, monitor, and report ransomware-related activities, indicators of compromise, and associated security risks within the protected environment.

32. The proposed solution shall provide centralized monitoring and reporting of account-related security events, including abnormal login activity, brute-force attempts, suspicious authentication behavior, and potentially compromised accounts.
33. The proposed solution shall record logs to local disk, including:
    - Access control logs
    - Session logs
    - Traffic audit logs
    - User authentication logs
    - Admin operation logs
    - SSL VPN logs
    - Local ACL logs
34. The proposed solution shall display traffic rankings by:
    - User/IP
    - Group
    - Application type
    - Application category
35. The proposed solution shall support security reports in PDF format.
36. The proposed solution shall support centralized logging and monitoring through industry-standard mechanisms, including Syslog and SNMP, with support for multiple log/monitoring destinations. The bidder shall specify the supported Syslog formats and SNMP versions.
37. The proposed solution shall support management through:
    - WebUI
    - SSH
    - CLI
    - Serial port
    - Other standard management interfaces
38. The proposed solution must support administrator authentication through:
    - Local authentication
    - TACACS server
    - RADIUS server
39. The proposed solution must support Out-of-Band Management (OOBM).
40. The proposed solution must support firmware version rollback.
41. The proposed solution must provide troubleshooting capabilities through WebUI, including identification of packet-drop reasons by policy, interface, etc.
42. The proposed solution shall provide logging and reporting capabilities with a minimum retention period of one (01) month, either locally or through an integrated/centralized management and logging platform. All hardware, software, licenses, subscriptions and components required to provide the specified log retention shall be included in the quoted solution.

43. The proposed solution must be a Hardware Appliance.
44. Complete licensing, including all licenses, subscriptions, and features required for Active/Active High Availability (HA), automatic failover, and seamless failback, shall be quoted with each hardware appliance. No additional license or subscription cost shall be applicable for HA, failover, or failback functionality during the quoted license/subscription period.
45. The proposed solution must operate within a temperature range of 0°C to 45°C.
46. The proposed solution must have dual power supplies with hot-swapping capability.
47. The proposed solution must be listed in any year Gartner Magic Quadrant for Next Generation Firewall
48. The proposed solution must be listed in any year ICSA Labs Certified Next Generation Firewall.
49. The proposed solution must be listed in any year CyberRatings for Enterprise Firewall.

WAF Features

1. The proposed solution must be listed in any year of NSS Labs for Web Application Firewall.
2. The proposed solution must provide a minimum 7 Gbps Web Application Firewall (WAF) throughput or higher.
3. The proposed solution shall provide advanced, automated, and/or machine-learning-based capabilities for detection of anomalous and emerging web application threats. The bidder shall describe the underlying detection capabilities and applicable licensing requirements.
4. The proposed solution must support IP Geolocation based access control.
5. The proposed solution must support Data Leak Prevention (DLP) for web applications.
6. The proposed solution must provide Brute Force Protection.
7. The proposed solution must provide DoS Prevention for web applications.
8. The proposed solution must support HTTP Header Security.
9. The proposed solution must support Custom Error Messages.
10. The proposed solution must support Error Code Handling and Local Report Center.
11. The proposed solution must provide Application Attack Protection, including protection against the OWASP Top 10.
12. The proposed solution must provide protection against Cross-Site Scripting (XSS) attacks.
13. The proposed solution must provide protection against SQL Injection (SQLi) attacks.
14. The proposed solution must provide protection against Cross-Site Request Forgery (CSRF) attacks.
15. The proposed solution must provide protection against Session Hijacking.
16. The proposed solution must have a built-in vulnerability scanner.
17. The proposed solution must support file upload scanning with Anti-Virus.
18. The proposed solution shall provide dedicated and purpose-built Web Application Firewall (WAF) inspection and protection capabilities, independently configurable from general network IPS policies.

19. The proposed solution must support custom WAF rules.
20. The proposed solution must provide protection against buffer overflow attacks, including:
    - URL length overflow
    - HTTP header overflow
    - POST entity overflow
21. The proposed solution must provide CC (Challenge Collapsar) attack prevention.
22. The proposed solution must provide XXE (XML External Entity) attack prevention.
23. The proposed solution must detect HTTP request anomalies.
24. The proposed solution must provide protection against cookie-based attacks.
25. The proposed solution shall support reputation-based threat intelligence services for identification and blocking of malicious IP addresses, domains, URLs, and other known indicators of compromise.
26. The proposed solution shall provide web application vulnerability assessment/scanning capabilities, preferably including passive assessment, with the ability to generate detailed vulnerability reports in commonly used electronic formats.
27. The proposed solution must support Application Hiding to prevent targeted attacks based on feedback information from applications.
28. The proposed solution must support weak password detection and brute-force attack prevention.
29. The proposed solution must support restriction of uploads of blacklisted file types.
30. The proposed solution must allow administrators to specify access privileges for sensitive URLs, including administrative pages.
31. The proposed solution must be a Hardware Appliance.
32. Complete licensing, including all licenses, subscriptions, and features required for Active/Active High Availability (HA), automatic failover, and seamless failback, shall be quoted with each hardware appliance. No additional license or subscription cost shall be applicable for HA, failover, or failback functionality during the quoted license/subscription period.

Management and Reporting

1. Graphical Analysis and reporting Tool
2. User/device tracking
    - Realtime Dashboard
    - OWASP Top 10 attack Categorization
    - Geo IP Analytics
3. Must quote Training & Product advanced Certification for three (03) Participants
4. Five (05) Years comprehensive on-site hardware replacement warranty including complete security features licensing cost for Five (05) years.
5. Five (05) Years Software Upgrade & 24x7 Technical Support
6. Must quote onsite deployment & configurations.

Note: The NGFW and WAF capabilities may be provided as an integrated solution or through separate purpose-built appliances from the same or different OEMs, provided that the proposed solution meets all stated technical, performance, integration, licensing, support, and security requirements.

The proposed solution shall be equipped with a minimum of six (06) 10GbE SFP+ interfaces per firewall appliance. The bidder shall provide all required 10GbE SFP+ optical transceiver modules for the proposed firewalls as well as compatible 10GbE SFP+ optical transceiver modules for the University's existing Huawei CloudEngine CE6863E-48S6CQ-B core switches, along with all necessary multimode fiber-optic cables, patch cords, connectors, and other accessories required for complete connectivity.

Each firewall appliance shall have at least two (02) independent 10GbE links to each of the two (02) existing core switches, providing a minimum of four (04) 10GbE links per firewall appliance for redundant core-network connectivity. The connectivity shall be designed such that failure of any single link, SFP+ transceiver, or cable does not result in loss of connectivity with the core network.

The remaining available 10GbE interfaces shall be utilized, where required, to provide a minimum of two (02) independent physical HA/synchronization links between the two firewall appliances, ensuring redundancy of HA connectivity and continued synchronization/failover capability in the event of failure of any single HA link, transceiver, or cable.

All required SFP+ transceivers, including those required at the Huawei CloudEngine CE6863E-48S6CQ-B core-switch side, and all necessary cables and accessories for the specified redundant core and HA connectivity shall be included in the quoted price without any additional cost.

Where NGFW and WAF functionality is proposed through separate appliances, the bidder shall provide all additional interfaces, SFP+ optical transceiver modules, fiber-optic cables, HA/synchronization links, inter-appliance connectivity, and other required hardware/accessories necessary to implement the complete, redundant, and fully operational NGFW and WAF solution. Such additional requirements shall be included in the quoted price and shall not be charged separately.

All SFP+ transceivers, including those required at the Huawei CloudEngine CE6863E-48S6CQ core-switch side, and all cables, connectors, and accessories required for the specified core-network, HA, and, where applicable, inter-appliance NGFW-WAF connectivity shall be included in the quoted price. The bidder shall be responsible for ensuring complete compatibility with the proposed solution and the University's existing network infrastructure.

Where NGFW and WAF functionality is delivered through separate appliances, the bidder shall provide HA for each security function as required to ensure that failure of a single appliance does not result in loss of the respective security service."

The solution shall support multi-factor authentication (MFA) for administrative access, either natively or through integration with a supported external identity provider.

FINANCIAL PORTION

(Must be placed in separate sealed envelope marked as "FINANCIAL PROPOSAL"
Items List as Per Specifications Given In Technical Portion

Sr. No.	Description	Unit Price Rs.	GST (If applicable)	Total Unit Price Rs.	Qty	Total Amount Rs.
Item# 1	Network Firewalls (NGFW + WAF)				02	
	Grand Total Amount Rs.					

Grand Total Amount in words (Rs.): ____

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Rate of GST applied: __________ %