

PRE-QUALIFICATION DOCUMENT

RULE 16 of PPR-14

BIDDING DOCUMENTS (PROCUREMENT OF GOODS)



E-PROCUREMENT Punjab Procurement Regulations 2024

PROCUREMENTS OF FIREWALLS FOR CM MARYAM NAWAZ FREE WIFI PROJECT

PQD No: PSCA/46/28th February/25

PUNJAB SAFE CITIES AUTHORITY

February 28, 2025

DISCLAIMER

1. These Pre-Qualification documents has been prepared by the Punjab Safe Cities Authority ("PSCA")/Procuring Agency. This Pre-Qualification Document (PQDs) constitutes no commitment on the part of the PSCA to enter into any arrangements with any eligible Applicant/Bidder/Contractor in respect of this proposed Pre-Qualification/procurement or otherwise.
2. The information contained in these PQDs or as may be subsequently provided to applicant/service providers/ Contractor (whether verbally or in documentary or any other form) by or on behalf of the PSCA, on the terms and conditions set out in these PQDs, are indicative only and are provided solely to assist in a preliminary assessment of the proposed procurement.
3. These Pre-Qualification documents do not constitute an agreement; its sole purpose is to provide interested Applicants/service providers/ contractor with information that may be useful to them in preparing their applications pursuant to these PQDs.
4. These Pre-Qualification documents may not be appropriate for all persons and it's not possible for PSCA to consider the objectives and particular needs of each party which reads or uses these PQDs.
5. The assumption, assessment, statements and information contained in theses Pre-Qualification documents may not be complete, accurate and adequate or correct for the purposes of any or all applicant(s)/service providers.
6. Each applicant/service provider/contractor shall, therefore, conduct its own due investigation and analysis, check the accuracy, adequacy, correctness, reliability and completeness of the assumption, assessments, statements and information contained in these Pre-Qualification documents and seek independent professional advice on any or all aspects of these Pre-Qualification documents, as deemed appropriate. However, PSCA is not under obligation to consider any such advice or opinion.
7. All information submitted in response to these PQDs becomes the property of the Procuring Agency (PSCA), including all business information and proprietary data submitted with all rights of communication and disclosures.
8. The PSCA shall not be responsible for non-receipt or missing or delay of any correspondence/ application etc., sent by the post/courier/email/fax by the applicant/services provider/contractor.
9. No decision shall be based solely on the basis of the information provided for any statements, opinions or information provided in these PQDs.
10. While submitting application in response to these PQDs, each applicant/service provider/ contractor certifies that it understands, accepts and agrees to the disclaimers set forth above.
11. Nothing contained in any provision of these PQDs or any statements made orally or in writing by the person or party/applicant shall have the effect of negating or suspending any of the disclaimers set forth herein.
12. This PSCA reserves the right to withdraw it or cancel this procurement process or any part thereof, or to vary any of its term at any, without incurring any financial obligation in connection therewith.
13. PSCA has also reserve the right to rectify any arithmetical or typo mistake at any time of this process.

Table of Contents

1. Invitation for Pre-Qualification/ Letter of Invitation (LOI)	7
2. Sections of Prequalification Documents	12
PART 1: PREQUALIFICATION PROCEDURE.....	13
Section I: Instructions to Applicants	13
3. Eligible Applicants	13
4. Experience	16
5. N/A	16
6. Source of Finance/ Financial capability:	16
7. Clarification of Prequalification Documents.....	16
8. Amendment of Prequalification Documents.....	17
9. Cost of Applications.....	17
10. Language of Application.....	17
11. Documents Comprising the Application.....	17
12. Application Submission Sheet	18
13. Documents Establishing the Eligibility of the Applicant	18
14. Documents Establishing the Qualification of the Applicant.....	18
15. Signing of the Application	18
16. Sealing and Marking of Applications	19
17. Deadline for Submission of Applications	19
18. Withdrawal of Application & Late Applications.....	19
19. Opening the Proposals of Applicants.....	20
20. Confidentiality	20
21. Clarification of Applications.....	20
22. Responsiveness of Applications.....	20
23. Evaluation of Applications	20
24. Procuring Agency's Right to Accept or Reject Applications	21
25. Notification of Prequalification.....	21
26. Invitation to Bid/Proposal.....	21
27. Changes in Qualifications of Applicants	22
28. Grievance Redressal.....	22
29. Pre-Bid Conference	22
Section II. Qualification Criteria.....	23
30. Eligibility Criteria (Mandatory)	23
31. Qualification Criteria	25

31.1	Operational History	26
31.2	Experiences	26
31.3	After Sales Services	26
31.4	Project Demonstration.....	27
	Section III. Application Forms.....	28
	Affidavit	34
	PART 2. REQUIREMENTS.....	35
	SECTION V. SCOPE OF WORK/SERVICES /SPECIFICATIONS.....	35

Summary Description

PART 1. PREQUALIFICATION PROCEDURES

Section I. Instructions to Applicants (ITA)

Section II. Qualification Criteria (QLC)

Section III. Application Forms (APF)

PART 2. REQUIREMENTS

Section IV. Scope of Work (SOP)

E-PROCUREMENT

1. All the Procurements shall be made in accordance with E-Procurement through e-PAD in accordance with Punjab Procurement Regulations 2024.
2. The Procurement shall be made through PPRA E-Procurement Portal. The interested Bidders / Service Providers are required to get themselves registered on E-Procurement Portal and apply for the subject tender.
<https://punjab.eprocure.gov.pk>
3. However, in case of any technical fault/issue, or as the system is new for the Procuring Agency and Bidders / Service Providers are requested to bring hard copy of Bid Security as per prescribed format and Financial Bid in a sealed envelope and Technical bids completed in all respects in portable USBs.
4. In case Bidders / Service Providers find any difficulty while applying/submission/registration, may find help on the following links,
<https://ppra.punjab.gov.pk/e-procurement>

PS: *Clause-3 above is applicable only in case the system showed applications/bids of the Bidders / Service Providers in the system of Procuring Agency and Procuring Agency due to any technical issue may unable to open the bids. If the system showed no bids in the system, the Procuring Agency will not accept any bids in hard form whatsoever the case.*

1. Invitation for Pre-Qualification/ Letter of Invitation (LOI)

1.1. Punjab Safe Cities Authority, Lahore (PSCA) intends to Pre-Qualify the applicants for “**PROCUREMENT OF FIREWALLS FOR CM MARYAM NAWAZ FREE WIFI PROJECT**”. The “Eligible Applicants” as defined in the relevant clause may participate in the Pre-Qualification process by submitting their Application in the manner prescribed in this Pre-Qualification Document (PQD).

- (a) A transparent Pre-Qualification procedure shall be followed in accordance with this PQD in view the guidelines of Punjab Procurement Rules, 2014 (amended from time to time).
- (b) Only the Pre-Qualified Applicants shall be invited through Request for Proposals (RFP) for submission of their bids. The (PQD) carrying all details may be obtained from this office or may also be downloaded from the website of PSCA (www.pscagop.pk), E-Pads <https://eprocure.gov.pk> & PPRA (www.ppra.punjab.gov.pk).
- (c) The complete applications along with all supporting documents shall be submitted through E-Pads <https://eprocure.gov.pk> on or before **PST 1100** hours on **March 17, 2025**. No application(s) sent by email, parcel, by hand submission or any other manner excepted mentioned above shall be considered and accepted.
- (d) The validity of this Pre-qualification for the eligible firms/JV/consortium/company shall be for this project/assignment.
- (e) Clarifications can be sought in writing after issuing/uploading of this PQD. The Procuring Agency only respond such applications that received no later than **seven (07) days** prior to the deadline for submission of Applications.
- (f) Under Punjab Procurement Rules 2014, the Procuring Agency /PSCA reserves the exclusive right to accept or reject the Applications and to annul the prequalification process, without justifying the reasons and/or thereby

incurring any liability to Applicants at any stage before the issuance of RFP or signing of the contract.

(g) The Estimated Cost for current assignment is **PKR. 145 Million** (Inclusive of all applicable taxes).

(h) The expected duration of the Contract may be one year which shall be finalized at the time of signing of Contract and may be extended with mutual consent of both parties.

1.2. Definitions

1.2.1 **Applicant;** an applicant shall be a single entity/Joint of a company/Consortium/firm with a formal intent to enter into an agreement in relation to this Assignment.

1.2.2 **Assignment;** means services/works for Field infrastructure, all types of camera sites, traffic sites, LTE-A Sites, Police Stations/Police Officers and Headquarters or other related allied works.

1.2.3 **Authorized Representative,** means any representative appointed, from time to time, by the Applicant and/or appointed by PSCA for the purpose of this assignment/contract.

1.2.4 **Corrupt Practice;** the offering, giving, receiving, or soliciting of anything of value to influence the action of a public official, bidder or contractor in the procurement process or in contract execution to the detriment of the Procuring Agency; or misrepresentation of facts in order to influence a procurement process or the execution of a contract, collusive practices among bidders (prior to or after bid submission) designed to establish bid prices at artificial, non-competitive levels and to deprive the Procuring Agency of the benefits of free and open competition and any request for, or solicitation of anything of value by any public official in the course of the exercise of his duty; it may include any of the following:

(i) coercive practice by impairing or harming, or threatening to impair or harm, directly or indirectly, any party or the property of the party to influence the actions of a party to achieve a wrongful gain or to cause a wrongful loss to another party;

- (ii) Collusive practice by arrangement between two or more parties to the procurement process or contract execution, designed to achieve with or without the knowledge of the Procuring Agency to establish prices at artificial, noncompetitive levels for any wrongful gain;
- (iii) Offering, giving, receiving or soliciting, directly or indirectly, of anything of value to influence the acts of another party for wrongful gain;
- (iv) any act or omission, including a misrepresentation, that knowingly or recklessly misleads, or attempts to mislead, a party to obtain a financial or other benefit or to avoid an obligation;
- (v) obstructive practice by harming or threatening to harm, directly or indirectly, persons or their property to influence their participation in a procurement process, or affect the execution of a contract or deliberately destroying, falsifying, altering or concealing of evidence material to the investigation or making false statements before investigators in order to materially impede an investigation into allegations of a corrupt, fraudulent, coercive or collusive practice; or threatening, harassing or intimidating any party to prevent it from disclosing its knowledge of matters relevant to the investigation or from pursuing the investigation, or acts intended to materially impede the exercise of inspection and audit process;

- 1.2.5 **Contract** means the agreement/ contract that shall be executed between the Procuring Agency and the Contractor/ Service Provider, including all Schedules and Attachments or Addendum after completion of procurement process.
- 1.2.6 **"Contract Price"** means the price payable to the Service Provider / Contractor under the Contract or Work Order for the full and proper performance of its contractual obligations.
- 1.2.7 **Contractor** means a person, firm, company or an organization who or which undertakes to supply goods, services or works and includes a consultant;
- 1.2.8 **Day**, means Calendar Day and year mean calendar year if not otherwise provided any where
- 1.2.9 **Domestic Applicant**; a domestic applicant means the applicant registered with Securities & Exchange Commission of Pakistan (SECP) and/or any other

- competent forum/authority under relevant laws applicable in Punjab/Pakistan
- 1.2.10 **Eligible Applicants** means the Applicants eligible to apply for this PQD as per criteria prescribed in this PQD.
- 1.2.11 **Employer;** the employer means Punjab Safe Cities Authority, Lahore.
- 1.2.12 **EPC;** EPC means Engineering, Procurement Construction form of contracting arrangement. The Contractor is made responsible for all the activities from design, procurement, construction, to commissioning etc. and handover the project to the end-user or employer as required and accepted.
- 1.2.13 **Foreign Applicant;** a foreign applicant means an applicant registered in a country other than Pakistan which participates in the pre-qualification process and is not a Domestic Applicant.
- 1.2.14 **Fraudulent Practice;** a fraudulent practice means any act or omission, including a misrepresentation, that knowingly or recklessly misleads, or attempts to mislead, a party to obtain a financial or other benefit or to avoid an obligation.
- 1.2.15 **Goods** means articles and objects of every kind and description including raw materials, products, equipment, machinery, spares and commodities in any form and includes services incidental to installation, transport, maintenance and similar obligations related to the supply of goods if the value of these services does not exceed the value of such goods; that may be required by the Procuring Agency t under the Contract signed with the Contractor in relation to the Project/Pre-Qualification process.
- 1.2.16 **Grievance Redressal Committee** means a committee constituted by the Procuring Agency (of odd members) to address objections/complaints/grievance filed by the participants/Applicants in this process /procurement process.
- 1.2.17 **Joint Venture;** means a contractual business undertaking between two or more persons/ firms/ companies to undertake the subject assignment/tender/project.
- 1.2.18 **Lead Partner;** Lead Partner of a consortium/ JV, who has the capacity and responsibility in supplying, construction, installation, as required under this Pre-

Qualification

Documents

and has at least 70% share in the consortium.

- 1.2.19 **Procuring Agency**; The Procuring Agency means Punjab Safe Cities Authority, Qurban Police Lines, Lahore (PSCA).
- 1.2.20 **Person** includes individual, association of persons, firm, company, corporation, institution and organization, etc., having legal entity & capacity.
- 1.2.21 **Prescribed** means prescribed in this Pre-Qualification Document.
- 1.2.22 **Pre-qualification committee** means a committee constituted by the Procuring Agency to technically evaluate applications/documents received by the Procuring Agency as per requirement.
- 1.2.23 **Supplier** means a person, firm, company or an organization who or which undertakes to supply goods, services or works;
- 1.2.24 **Services**; means all such services including construction, repair & maintenance, shifting, restoration, relocation, transportation, designing and implementation that may be required by the Procuring Agency under the Contract signed with the Contractor in relation to this Pre-Qualification process.
- 1.2.25 **Sub-Contractor**; mean any entity that carries out work for or on behalf of a main contractor as part of this project.
- 1.2.26 **Summary of Project**, means as described in the relevant clause of this PQDs.
- 1.2.27 **PPRA Laws** means Punjab Procurement Regulatory Act, 2009 and Punjab Procurement Rules 2014 (amended time to time) including other procurement Laws/Regulations/Circulars/Instructions or Guide Lines issued by the Government of Punjab.
- 1.2.28 **Works** means all such works including construction, installation, repair & maintenance, relocation, transportation, designing and implementation etc. that may be required by the Procuring Agency under the Contract signed with the Contractor in relation to this Pre-Qualification process.

2. Sections of Prequalification Documents

- 2.1. PQDs consist of Part 1 and 2 which include all the sections indicated below, and should be read in conjunction with any Addenda issued in accordance with the relevant provision.

PART 1 Prequalification Procedure

- Section I** Instructions to Applicants (ITA)
Section II. Qualification Criteria (QC)
Section III. Application Forms (AF)

PART 2 Requirements

- Section V.** Scope of Work (SOP)

- 2.2. The “Invitation for Prequalification” issued by the Procuring Agency is a part of the PQDs.
- 2.3. The Procuring Agency or its advisors/consultants shall not incur any liability under any law, statute, rules or regulations as to the accuracy or completeness of the PQ document and its addenda.
- 2.4. The Applicant is expected to examine all instructions, forms and terms in the Prequalification Documents and to furnish all information or documentation required by the Prequalification Documents.
- 2.5. The validity of this Pre-qualification for the eligible firms/JV/consortium/company shall be as mentioned above in LOI of this PQD if otherwise not extended and PSCA may consider the pre-qualified/shortlisted Procuring Agency may cancel the pre-qualification process at any time/stage before or after issuance of RFP.

PART 1: PREQUALIFICATION PROCEDURE

Section I: Instructions to Applicants

3. Eligible Applicants

- 3.1. All persons (individual, company, firm)/ JVs/Consortium who meet the following requirements are eligible to participate in this pre-qualification process except as mentioned below;
- 3.2. Procuring Agency considers a conflict of interest to be a situation in which a party/Applicant has interests and could improperly influence the parties' performance of official duties or responsibilities, contractual obligations, or compliance with applicable laws and regulations. The Procuring Agency will take appropriate actions to manage such conflicts of interest which may include, rejecting a proposal for award, if it determines that a conflict of interest has flawed the integrity of any procurement process. At the time of bidding or process, Applicants may be considered to be in a conflict of interest with one or more parties if they, including but not limited to, participation in any respect in the preparation of the design or technical specifications of the works that are the subject of this prequalification or the applicant has direct or indirect relation with the affairs of this office, that may be considered a conflict of interest for this project.
- 3.3. An Applicant which is under a declaration of ineligibility/blacklisting, due to reasons, including but not limited to, corrupt practices and poor performance, by the Government of Pakistan/Government of Punjab or any Procuring Agency / from the office of any Public Procurement Regulatory Authority / Court(s), at the date of submission of the application or thereafter, shall not be considered.
- 3.4. An Applicant shall provide such evidence required by PSCA for their continued eligibility with the satisfaction of Procuring Agency.
- 3.5. An Applicant shall provide the details of all pending litigations by or against the applicant before any court or forum, where the stake of the applicant is involved.
- 3.6. An Applicant must comply with the Standard Anti-Corruption Policy of Government of the Punjab and must not be declared ineligible by any Court of Law or any Governmental Body of Pakistan due to corrupt/fraudulent/coercive/collusive practices etc.
- 3.7. The Procuring Agency shall disqualify the Applicant(s) pursuant to Punjab Procurement Regulatory Authority (PPRA) Act of 2009

and Rules 2014 amended time to time for award of contract, if it determines that the Applicant(s) recommended for award has(ve), directly or through an agent, engaged in corrupt, fraudulent, collusive, or coercive practices in competing for the Contract; and

- 3.8. The Procuring Agency shall sanction the Applicant(s) or its successor, including declaring ineligible, either indefinitely or for a stated period of time, to participate in bidding activities in Pakistan, if it at any time determines that the firm has, directly or through an agent, engaged in corrupt, fraudulent, collusive, or coercive practices in competing for, or in executing the contract.
- 3.9. Applicant is allowed to submit only one application for either individual/partner/Joint of a company/firm etc. In case an applicant submits more than one application it's all applications shall be rejected.
- 3.10. The Applicant must not conceal any information that might hinder the execution of the project. The Procuring Agency shall disqualify or blacklist an Applicant pursuant to Punjab PPRA Rules on grounds of false, fabricated or materially incorrect information.
- 3.11. The Government owned & controlled enteritis/organizations/institutions may participate in this project/Pre-Qualification if such public entity is eligible to participate in accordance with applicable Laws.
- 3.12. The applicant should be a legal person in accordance of the Pakistani Laws or a consortium as described in this PQDs.
- 3.13. Joint Venture is allowed as in case of a Joint Venture (JV)/ Consortium:
 - 3.13.1. All partners to the Consortium/JV shall be jointly and severally liable; and
 - 3.13.2. Consortium/JV partner must be represented by its Lead Partner and such representative/lead partner must be authorized from all the partners in writing/duly stamped.
 - 3.13.3. The lead partner shall be responsible to provide all authorization documents/evidence on behalf of all JV partners such as Consortium/JV signatory authorization or legal status of all JV partners. It is proposed that the Consortium/JV should have valid NTN/registration in FBR for the purpose of withholding taxes of Consortium/JV.

- 3.13.4. Lead partner and its Consortium/JV partners should meet the requirements as described in clause 1.2 (Definitions).
- 3.13.5. The Foreign Applicant is entitled to pre-qualification only in a Consortium/JV arrangement with a domestic partner, in accordance with applicable laws.
- 3.13.6. An Applicant shall be registered in an eligible country, in accordance with Section IV titled Eligible Countries.
- 3.13.7. An Applicant shall be deemed to be registered in an eligible country, if the Applicant has got its registered head office in that country; or is constituted, incorporated, or registered or deemed to be registered under the prevailing Acts/laws and operates in conformity with the provisions of the laws of that country.
- 3.13.8. Application submitted by a consortium/ Joint Venture (JV) shall include the Joint Venture Agreement (on Stamp paper of amounting PKRs. 1,200) entered into by all partners. Any member of the JV shall not be allowed to withdraw itself from JV/Consortium or shall not be excluded by the other members/Lead Partner etc. after submitting the application and if it is essential to replace any partner of JV/ Consortium it shall only could be done with the prior approval of the PSCA on solid reasons and justifications and in such eventuality the partner shall be replaced with the same range/profile company/partner or higher of the member to be replaced but in no case lower to that.
- 3.13.9. In case the application filed through JV/ Consortium, if JV/ Consortium (any partner of JV/ Consortium) indulged in fraudulent practice or attempt to such fraudulent practice all JV partners/Consortium shall be blacklisted/debarred.
- 3.13.10. In case any partner of JV has been debarred/ blacklisted by any Procuring Agency than the application of such JV shall be rejected whether it is at any stage and such debarment shall equally be applicable in case of each partner.
- 3.13.11. Specific technical experience/ past performance of JV partners or its key staff cannot be aggregated to fulfil minimum qualification requirement e.g. if it is required that the applicant must have past

experience of business/establishment for 10 years, the JV partners shall not be allowed to combine the partners' experience of (7) year for one firm (JV partner) and (3) year of second firm (JV partner), with a view to reaching the total 10-year experience.

4. Experience

- 4.1. In addition to compliance of the above mandatory eligibility requirements for the prequalification, the Applicant will be evaluated as per the criteria detailed at Section II – (Qualification Criteria).
- 4.2. The Applicant is required to submit experience/ assignments/ projects as mentioned in the Section II;

5. N/A

6. Source of Finance/ Financial capability:

- 6.1. The cost of the assignment is envisaged to be financed from Government of the Punjab.
- 6.2. The documents required as per relevant provision of PQD shall be duly signed & stamped/certified/attested.
- 6.3. Each applicant shall submit the information and the evaluation of the same will be done as per the Section II-Qualification Criteria:
- 6.4. The Procuring Agency may employ/engage any/all means including but not limited to field visits, conduct enquiries, solicit additional information from relevant sources, seek explanation from one or more Applicants and other sources to make informed decisions related to this prequalification process, if required, the cost of which shall be borne by such applicant.

7. Clarification of Prequalification Documents

- 7.1 A prospective Applicant who intend to seek any clarification about any terms of the PQDs may contact the representative of Procuring Agency in writing at the Procuring Agency's address as shown hereunder after issuing/uploading of this PQDs with prescribed time limit. The Procuring Agency only respond such applications that received no later than the time specified in LOI (*herein-above in this PQD*) prior to the deadline for submission of Applications. The Procuring Agency shall forward

copies of its response to all Applicants who have acquired the PQDs directly from the Procuring Agency including a description of the inquiry but without identifying its source. Should the Procuring Agency deem it necessary to amend the Prequalification Documents as a result of a request for clarification, it shall do so following the procedure as provided in this PQDs. No clarification that received after that day/date mentioned above shall be entertained.

- 7.2 For clarification purposes only, the Procuring Agency can be contacted.

8. Amendment of Prequalification Documents

- 8.1 The Procuring Agency may amend the PQDs by issuing addenda before the deadline for submission of applications at its own discretion.
- 8.2 Any addendum issued shall be part of this PQDs and shall be communicated in writing to all who have obtained the PQDs directly from the Procuring Agency or any other prospective applicant without prejudice
- 8.3 To give prospective Applicants reasonable time in which to take an addendum into account in preparing their Applications, the Procuring Agency may, at its discretion, extend the deadline for the submission of applications.
- 8.4 No applicant has any right to demand for the extension of the time of deadline for submission of application.

9. Cost of Applications

- 9.1 The Applicant shall bear all costs associated with the preparation and submission of its application, and the Procuring Agency shall in no case be responsible or liable for those costs, regardless of the conduct or outcome of the prequalification process.

10. Language of Application

- 10.1. The application, as well as all correspondence and documents relating to the prequalification exchanged by the Applicant and the Procuring Agency, shall be written in the English language.

11. Documents Comprising the Application

- 11.1. The Application shall comprise the following:

- 11.1.1 Application Submission Sheet, in accordance with relevant provision;
- 11.1.2 Written confirmation authorizing the signatory of the application to commit the Applicant, in accordance with relevant provision;

12. Application Submission Sheet

- 12.1 The Applicant shall prepare an Application Submission Sheet using the Submission form furnished in Section III, Application Forms. This form must be completed without any alteration to its format

13. Documents Establishing the Eligibility of the Applicant

- 13.1 To establish its eligibility in accordance with relevant provision, the Applicant shall complete the eligibility declarations in the Application Submission in Section III, Application Forms.

14. Documents Establishing the Qualification of the Applicant

- 14.1 To establish its qualifications to perform the contract in accordance with Section II, Qualification Criteria, the Applicant shall provide the information requested in the corresponding Information Sheets included in Section III, Application Forms.

15. Signing of the Application

- 15.1 The Applicant shall prepare documents comprising the application as described in relevant provision and clearly mention the title of the PQDs on first page. The title shall be typed or written and shall be signed by a person duly authorized to sign on behalf of the Applicant.
- 15.2 The requirements regarding the legal instrument evidencing the authorization to represent and sign on behalf of the Applicant shall be a power of attorney, duly attested, indicating that the person(s) signing the Application has(ve) the authority to sign the Application for Prequalification.
 - 15.2.1 The Power of Attorney is required to be duly stamped, witnessed, and duly attested.
 - 15.2.2 Additionally, the date of issuance and validity of the power of attorney should also be specified, along with the name and designation of the signatory.

16. Sealing and Marking of Applications

- 16.1 The Application shall be submitted online through E-Pads i.e. <https://eprocure.gov.pk/> and the application shall;
 - 16.1.1 Bear the name and address of the Applicant;
 - 16.1.2 Be addressed to the Procuring Agency, in accordance and bear the specific identification of this prequalification process
 - 16.1.3 Each page of the application should be initialed by the authorized representative.

17. Deadline for Submission of Applications

- 17.1 Applications shall be submitted by the Applicant online through E-Pads i.e. https://eprocure.gov.pk before the closing date and time as mentioned in the relevant section.
- 17.2 Applications submitted other than as required above shall not be entertained and treated as rejected
- 17.3 The Procuring Agency may, at its discretion, extend the deadline for the submission of Applications by amending the Prequalification Documents in accordance with relevant provision, in which case all rights and obligations of the Procuring Agency and the Applicant subject to the previous deadline shall thereafter be subject to the deadline as extended.

18. Withdrawal of Application & Late Applications

- 18.1 Any Applicant may withdraw its application for pre-qualification prior to closing deadline of the submission date and time. The applicant shall not be allowed to withdraw its application at belated stages as mentioned above. If the applicant found declared eligible/ prequalified for the project, he shall not be allowed to withdraw its application or refused to submit its bids/proposal against the RFP issued by PSCA. In case pre-qualified applicants failed to submit its proposal PSCA may take any action against such pre-qualified applicants including blacklisting under PPRA Rules.
- 18.2 Any application received after the submission date and time specified in relevant provision, shall be rejected and no excuse or justification what so kind shall be acceptable.

19. Opening the Proposals of Applicants

- 19.1 The Procuring Agency shall prepare a record of the opening of Applications that shall include, as a minimum, the name of the Applicant(s).

20. Confidentiality

- 20.1 Information relating to the evaluation of Applications, and recommendation for pre-qualification, shall not be disclosed to Applicants or any other persons not officially concerned with such process until the notification of pre-qualification is made to all Applicants.
- 20.2 From the deadline for submission of Applications to the time of notification of the results of the pre-qualification in accordance with relevant provision, if any Applicant wishes to contact the Procuring Agency on any matter related to the prequalification process, it may do so in writing.

21. Clarification of Applications

- 21.1 To assist in the evaluation of Applications, the Procuring Agency may, at its discretion, ask any Applicant for a clarification of its application which shall be submitted within a stated reasonable period of time. Any request for clarification and all clarifications shall be in writing.
- 21.2 If an Applicant does not provide clarifications of the information requested by the date and time set in the Procuring Agency's request for clarification, its Application may be rejected.
- 21.3 PSCA may call the prospective Applicants for discussion prior to deadline of the submission of the applications or thereafter for pre-qualification if deems so.

22. Responsiveness of Applications

- 22.1 The Procuring Agency may reject any Application which is not responsive to the requirements of the PQDs.
- 22.2 The Procuring Agency reserves the right to waive minor deviations and omissions, if these do not materially affect the capability of an Applicant as required under this PQDs.

23. Evaluation of Applications

- 23.1 The Procuring Agency shall use compliance to eligibility requirements in Section I and the criteria and methods defined in Section II, Qualification Criteria to evaluate the qualifications of the Applicants.

- 23.2 The Procuring Agency shall have the right for inspection over the application submitted by the Applicants, especially the new entity/company to PSCA for this pre-qualification at any time before the evaluation announcement (technical and financial) and/or before the signing of the contract. If required, for due diligence process the Procuring Agency may visit the applicant office, site or any other project in progress through its representatives including the technical, financial personnel on the cost/expenses of the applicant. In case the applicant refuses to allow this visit or is reluctant to pay the expenditures to the Procuring Agency his application for pre-qualification shall be rejected.
- 23.3 In case, any applicant is unable to fulfill the requirement of pre-qualification mentioned in this documents/addendum during the course of due-diligence or examination or inspection or fails to satisfy the Procuring Agency, the application of the said applicant shall be rejected without further consideration.

24. Procuring Agency's Right to Accept or Reject Applications

- 24.1 The Procuring Agency reserves the right to accept or reject the Applications and to annul the prequalification process, without justifying the reasons and/or thereby incurring any liability to Applicants at any stage before the signing of the contract.

25. Notification of Prequalification

- 25.1. Once the Procuring Agency has completed the evaluation of the received Applications it shall notify all Applicants in writing of the names of those Applicants, who have been prequalified.

26. Invitation to Bid/Proposal

- 26.1. After the notification of the results of the pre-qualification, the Procuring Agency shall invite bids/proposal from all the Applicants that have been pre-qualified.
- 26.2. Applicants shall be required to provide bid security in the form of a bank guarantee or CDR acceptable to the Procuring Agency for an amount as specified in the RFP.
- 26.3. A qualified firm may participate through one bid for the Project against issued RFP.

26.4. The Procuring Agency may revise, review or amend the evaluation and qualification criteria of this PQD at RFP issuance stage.

27. Changes in Qualifications of Applicants

27.1. Any change in the qualification status of an Applicant after being pre-qualified shall not allowed but subject to the written approval of the Procuring Agency.

28. Grievance Redressal

28.1 The aggrieved parties may file its grievance/complaint pertaining to this Pre-Qualification process/evaluation results within 10 days of announcement of Pre-Qualification results.

28.2 After the expiration of this Grievance Period no complaint/grievance, whatsoever, shall be entertained against this Prequalification process/evaluation results.

29. Pre-Bid Conference

29.1. PSCA may call pre-bid meeting (before submitting date of application) or after submitting the application to clarify or to discuss any matter with the prospective applications. The minutes of said meeting shall be deemed as a part of the PQD. Nevertheless, no applicant can demand pre bid meeting arrangement. It is mandate of PSCA only to decide about the pre-bid conference.

Section II. Qualification Criteria

30. Eligibility Criteria (Mandatory)

Sr.#	Mandatory Documents (Signed & stamped)
1.	Legal Status of the Applicant/Joint Venture partner(s)/Consortium* ▪ (Incorporation Certificate SECP or Registrar of Firms, ▪ Partnership Deed & Form C/D, In case of Partnership/Association of Persons as applicable or ▪ Undertaking on non-judicial stamp paper of PKR. 100 for being Sole Proprietor in case of Sole Proprietorship
2.	Proof of Income Tax Registration ▪ Proof of Income Tax Registration i.e., Valid & active NTN Registration Certificate (signed & stamped) ▪ The Consortium/JV should have valid NTN/registration in FBR for the purpose of withholding taxes of Consortium/JV
3.	Proof of Sales Tax Registration ▪ Proof of Sales Tax Registration i.e., Valid STRN/PRA Registration Certificate ▪ The Consortium/JV should have Valid STRN/PRA Registration Certificate
4.	Copy of Valid Professional Tax Certificate FY 2024-25
5.	Affidavit on non-Judicial stamp paper of PKR.100/- [Annex-G]
6.	Certificate regarding Pending Litigation In accordance with relevant provision PQD <i>(on the prescribed form/ Certificate)</i>
7.	Authorized Business Partner of the quoted brand
8.	Signed & stamped the Pre-qualification Documents (PQD)
9.	Compliance to the technical specifications mentioned in Part-II: Requirements [Section –V] (Fill the forms mentioned in section –II: Requirements, Section – V)

Note:

- a) The applicant must meet the mandatory requirements **(Pass/fail)** wherever provided in this section and in case of non-compliance the applicant will be declared non responsive to the requirements of this prequalification document.
- b) Each member/partner of the JV/Consortium shall meet/fulfil the Eligibility Criteria of this Section II. Qualification Criteria.
- c) Supporting Documents to be provided by the Applicant in order to demonstrate its eligibility in the criteria detailed above and relevant forms

provided in this PQD to be filled by the applicant or lead partner in case of JV.

- d) If the original documents are in language other than English, the same must be translated into English and must be notarized prior to submission.
- e) All documents, experience letters, supporting documents should be **signed & stamped** by the applicant.

31. Qualification Criteria

The applicant must score **overall 50% marks** and **minimum passing marks in each sub-categories** to qualify.

The applicant must meet the mandatory requirements **(Pass/Fail)** wherever provided in this section and in case of non-compliance the applicant will be declared non responsive to the requirements of this prequalification document.

The following qualification criteria shall be observed on the eligible Applicants as per relevant provision in this prequalification document.

Sr. #	Category	Total Marks	Pass Marks in each category
1.	Operational History	20	05
2.	Experience	15	05
3	After sales support services	05	05
Total Marks		40 Marks	

Note: The applicant must score **overall 50% marks** (20/40) and **minimum passing marks in each sub-categories** to qualify.

31.1 Operational History

Description	Marks	Max. Marks	Min. Passing Marks	Documents Required
Number of years for which firm is operational	2 years=05 Marks 3 years=10 Marks 4 years=15 Marks 5 years=20 Marks	20	05	Verifiable proof showing operations of firm/business must be attached (signed & stamped)
Total Marks		20	05	

31.2 Experiences

Description	Marks	Max. Marks	Min. Passing Marks	Documents Required
Experience for similar nature of products/ procurement/ assignments	3 Projects=5 Marks 4 Projects=10 Marks 5 Projects=15 Marks Less than 03 projects=0 Marks	15	05	Proof of Experiences required such as contracts, completion certificates, purchase/ work orders (Signed & stamped)
Total Marks		15	05	

Technical Requirements:

31.3 After Sales Services

Description	Marks	Max. Marks	Min. Passing Marks
After sale Support services	The bidder should provide undertaking on letter head regarding after sale Support services	05	05
Total Marks		05	05

Note: Supporting Documents to be provided and relevant forms provided in this PQD to be filled by the applicant;

- a. If the original documents are in any language other than English, the same must be translated into English and must be notarized prior to submission.
- b. The documents shall be duly signed & stamped/certified/attested.

31.4 Project Demonstration

- a. The Employer during evaluation of the application/prior to the result announcement of prequalification documents may also ask for detailed technical presentation, which should be presented on call of authority.

Annex-A

Section III. Application Forms
APPLICATION SUBMISSION SHEET

Date:

PURCHASE OF FIREWALLS FOR CM MARYAM NAWAZ FREE WIFI

To: The Punjab Safe Cities Authority (PSCA)
Qurban Police Lines Lahore, Pakistan.

We, the undersigned, apply to be prequalified for the referenced IFP and declare in accordance with relevant provisions of this PQD, the following;

- a) We have examined and have no reservations to the Prequalification Documents, including Addends No(s) -----issued.
- b) We understand that at the time of bidding, we, for any part of the contract resulting from this procurement process, shall not have any conflict of interest
- c) We, for any part of the contract(s) resulting from this pre-qualification, have not been declared ineligible/blacklisted by the Government of Pakistan/Government of Punjab etc. Including the Procuring Agency.
- d) We, for any part of the contract(s) resulting from this pre-qualification, comply with the Standard Anticorruption Policy of Government of the Punjab have not been declared ineligible any Court of Law or Governmental Body of the world due to corrupt/fraudulent/collusive/coercive practices.
- e) We, comply with the registration Requirements (SECP/JSCR/or local registration body in case of foreign company).
- f) We understand that you may cancel the prequalification process at any time and that you are not bound either to accept any application that you may receive or to invite the pre-qualified Applicants to bid for the contract subject of this pre-qualification, without incurring any liability to the Applicants.
- g) We agree to permit the Procuring Agency or its representative to inspect our accounts and records and other documents relating to the application for pre-qualification and to have them audited by auditors appointed by the Procuring Agency.
- h) All of the Forms accompanying the Application have duly been signed by the undersigned and stamped.
- i) We adhering that in case if it is found that any information or document submitted by us is bogus, fabricated, illegal or we acted in a manner that falls with the definition of fraudulent practice or deteriorated to the public interest or good practice the Procuring Agency has the right to blacklist our firm.

Name.....

In the capacity of

Signed

(Seal)

Duly authorized to sign the Application for and on behalf of(Name of Applicant)

Date

CERTIFICATE OF COMPLIANCE

Applicant's Legal Name

Date: -----

We ----- (Name of Applicant), hereby certify that pursuant to the Mandatory Requirements of Section 1 relevant provisions of this Prequalification Documents, our status is as following:

Description	Status	
	Yes	No
The bidder meets the Eligibility Criteria <i>clause.3- Eligible Bidders of the bidding document</i>		
Bidder is not currently blacklisted by the Procuring Agency.		
The documents/photocopies provided with Bid are authentic. In case of any fake/bogus document found at any stage, the Bidder shall be blacklisted as per Law/ Rules.		
The provided information is correct.		
No conflict of interest with any of the officials of the Client involved in the process		

We hereby certify that all information stated above is correct and non-compliance to any of the above mentioned mandatory requirements will disqualify us from the prequalification process.

NOTE: In case an application is being submitted through a JV than all partners of such JV shall sign and Stamp this certificate.

Applicant's Signatures

INELIGIBILITY/BLACKLISTING

The Applicant/ Joint Venture partner(s)/Consortium shall certify on judicial stamp paper of **PKRs. 100/-** that the Applicant/ Joint Venture partner(s)/ Consortium has not been declared ineligible/blacklisted by the Procuring Agency till date due to the reasons including but not limited to corrupt practices, influencing the Procuring Agency in evaluation of the Bids or contract award decisions etc.

NOTE: In case an application is being submitted through a JV than all partners of such JV shall sign and Stamp this certificate.

PENDING LITIGATION

Applicant's Legal Name

Date: -----

Applicant must fill in this form.

Pending Litigation			
Pending litigation in accordance with relevant provision of Section II, Qualification Criteria, as indicated below			
Month/Year	Matter of Dispute	Value of Pending Claim in PKR Equivalent	Value of Pending Claim as a Percentage of Net Worth

Applicant's Signatures**Note:**

- (i) Write Not Applicable (N/A) if not in any litigation.
- (ii) In case of JV the litigation against all JV partners needs to be provided as required above.

EXPERIENCE**Annex E**

Applicant's Legal Name

Date: -----

Applicant must fill in this form.

Project Name	Year of Completion	Location	Value in PKR (Million)

Note: The Procuring Agency's End User's Certificates should be attached.

Applicant's Signatures

**Joint Venture/ Consortium Agreement
(Applicable to Joint Venture/Consortium Only)**

Annex-F

**(Shall be a Formal Joint Venture/Consortium agreement on a Stamp
Paper of value PKR 1,200)**

To: Punjab Safe Cities Authority, Lahore

[Name and address of the Leading Member firm] who for the purpose of this Agreement shall hereinafter called "Lead Member"

[Name and address of the all Member firms]

Who, for the purpose of this Agreement shall hereinafter called "Member".
They hereby declare:

- i. That we (all Consortium/JV partners) will legalize a Consortium/JV in case the Contract is awarded to their JV
- ii. That all Consortium/JV partners have nominated _____ (*name of the Lead member*) as the Lead Member of the Joint Venture.
- iii. That all Consortium/JV partners authorized Mr. /Ms. _____ (*Name of the person who is authorized to act as the Representative on behalf of the Joint Venture*) to act as the Consortium/Joint Venture's Representative in the name and on the behalf of all Joint Venture partners.
- iv. That all members of the Consortium/Joint Venture shall be liable jointly and severally for the execution of the Contract or any other assignment or project related work/ services or consequences of any such action of the lead partner.
- v. That this Consortium/Joint Venture is constituted for the project titled "Restoration of PSCA's Civil, OFC, Traffic, IPNV and Power Infrastructure".
- vi. That after submitting of this application (through Consortium/JV) for pre-qualification in said project/procurement of this Joint Venture/Consortium shall not be modified in its composition or constitution until the completion of Contract without the prior consent of the Employer/PSCA.
- vii. The Consortium/JV (all partners) are under obligation, undertake and acknowledged that in case of any wrong entry or providing false intimation or forged document all the Consortium/JV partners shall be blacklisted or any other legal action may be initiated against them (all Consortium/JV partners) by the PSCA

1. Signed for and on behalf of [*Name of the Lead Member*]

Signature	_____
Name	_____
Designation:	_____
Date	_____
Seal	_____

2. Signed for and on behalf of [*Name of the Member*]

Signature	_____
Name	_____
Designation:	_____
Date	_____
Seal	_____

Affidavit

*[To be printed on **PKR. 100 E-Stamp Paper**, duly attested by oath commissioner. To be attached with Technical Bid]*

Name: _____

(Applicant)

I, the undersigned, do hereby certify that all the statements made in the Bidding document and in the supporting documents are true, correct and valid to the best of my knowledge and belief and may be verified by employer if the Employer, at any time, deems it necessary.

The undersigned hereby authorize and request the bank, person, company or corporation to furnish any additional information requested by the *[name of Procuring Agency]* of the Punjab deemed necessary to verify this statement regarding my (our) competence and general reputation.

The undersigned understands and agrees that further qualifying information may be requested and agrees to furnish any such information at the request of the *[name of Procuring Agency]*. The undersigned further affirms on behalf of the firm that:

- (i) The firm is neither currently blacklisted by any Department nor any litigation is pending before PPRA/Competent Authority/Procuring Agency or any other court of law competence in this regard against any such blacklisting order.
- (ii) The documents/photocopies provided with Bid are authentic. In case, any fake/bogus document was found at any stage, the firm shall be blacklisted as per Law/ Rules.
- (iii) Affidavit for correctness of information.
- (iv) The Bidders / Service Providers/firm has never been punished by any Procuring Agency/PPRA/ Court on the ground of non-fulfilment of the contract/ obligations or its bid security/ performance guarantee has been forfeited or LD imposition and in case of any punishment undersigned has already stated in my bid specifically where required.
- (v) The bidder meets the Eligibility Criteria clause.3- Eligible Bidders of the bidding document

[Name of the Contractor/ Bidders / Service Providers/ Supplier] undertakes to treat all information provided as confidential.

Signed by an authorized Officer of the company

Title of Officer: _____

Name of Company: _____

Date: _____

PART 2. REQUIREMENTS

SECTION V. SCOPE OF WORK/SERVICES /SPECIFICATIONS

The bidder is required to deliver the product with the following specifications and should indicate whether the offered product is complied with the following features;

Next Generation Firewall		
Sr.#	General Requirements for Firewall	Compliance (Yes/No)
1	The proposed product shall support robust GUI configurations of both IPv4 and IPv6 firewall policies.	
2	The proposed products should have onboard SSD internal storage for storage of logs, event etc.	
3	The proposed product must be based on hardware architecture for Security features inspection (NG Firewalling, SSL/TLS inspection, IPS, Antimalware etc.) in the hardware.	
4	The proposed product must be recognized as a Leader in the latest Gartner Magic Quadrant for Enterprise Network Firewalls.	
5	The proposed system shall minimally provide management access through:	
6	GUI using HTTP or HTTPS access	
7	CLI console using console port, SSHv2, telnet or from GUI console	
8	The administrator authentication shall be facilitated by a local database, PKI & remote services such as Radius, LDAP and TACACS+.	
9	The proposed product should be able to facilitate administration audits by logging detailed activities to event log - management access and also configuration changes.	
10	The proposed product shall have the ability to interconnect discrete security solutions into an integrated whole to detect, monitor, block, and remediate attacks across the entire attack surface.	
11	Administrators shall be able to configure both IPv4 and IPv6 DHCP service on an interface of the proposed product.	
12	Administrators shall be able to configure multiple loopback interfaces on the proposed product.	
13	Administrators shall be able to group interfaces, both physical and virtual, into zones that simplifies the creation of security policies.	
14	The proposed product shall support static routing and policy-based routing	
15	The proposed product shall support Open Shortest Path First (OSPF) and Border Gateway Protocol (BGP) for both IPv4 and IPv6.	

16	The proposed product must support active-passive (failover HA), active-active (load balancing HA) and Clustering.	
17	The proposed product shall support the upgrade of the firmware without interrupting communication through the cluster	
18	The proposed product shall support various QoS (quality of service) techniques, including: Traffic policing, Traffic shaping and Queuing	
19	The proposed product shall support clientless and client-based SSL Remote Access VPNs.	
20	The proposed product shall support IPsec based Remote Access VPNs.	
21	The proposed product shall support both Route based and policy-based site to site IPsec VPNs.	
22	The proposed product shall provide Secure sockets layer (SSL) content scanning and inspection abilities that allow organizations to apply antivirus scanning, application control, web/URL filtering, and IPS inspection to encrypted traffic	
23	The proposed product shall provide the ability to exempt web sites from SSL scanning by site reputation, address, category, or using a whitelist.	
24	The proposed product shall detect over 4,000+ applications for Application visibility and Control.	
25	The proposed product shall support custom application detection and control.	
26	The proposed product's IPS engine shall offer:	
27	Signature based detection using real time updated database	
28	Anomaly based detection that is based on thresholds	
29	The proposed product shall provide the ability to apply DNS category filtering to control user access to web resources.	
30	The proposed product shall allow administrator to prevent sensitive data from leaving the network. Administrator shall be able to define sensitive data patterns, and data matching these patterns that will be blocked and/or logged when passing through the unit.	
31	The proposed product shall support virtual firewalls that divide the Firewall into two or more virtual units that function independently.	
32	The proposed product shall allow configuration of virtual systems resource limiting and management.	
33	The proposed product shall support Virtual routing and forwarding (VRF).	
34	The proposed product shall support various logging facilities:	
	Local memory	
	Local Storage	
	Multiple concurrent syslog servers.	

35	The proposed product shall support Virtual routing and forwarding (VRF).	
36	The proposed system shall support aggregation of 200+ interfaces to create a virtual WAN link.	
37	The proposed system shall support performance SLA settings which are used to monitor WAN interfaces link quality and to detect link failures.	
38	Health check probes using IPv4/IPv6 Ping and HTTP	
39	Selection of multiple destinations (or servers) to probe	
40	Interfaces relating to the performance SLA profile	
41	The proposed system shall allow SLA targets to be created. These are a set of constraints that are used to control the paths that traffic takes. These constraints should include Latency, Jitter and Packet Loss threshold	
42	The proposed system shall provide settings to the characteristic of probes, including check interval, link failure and restoration considerations.	
43	The proposed system shall provide option to disable the implicated static route when an interface is inactive.	
44	The proposed system shall support per-packet load-balancing among IPSec tunnels.	
45	The proposed system shall support forward error correction (FEC) on VPN overlay networks.	
46	The proposed system shall support Border Gateway Protocol (BGP) learned routes as dynamic destinations.	

Sr.#	Require Hardware based firewall with following performance specs (2x)	Minimum
1	Firewall throughput @ 64 byte UDP	145 Gbps
2	IPsec VPN throughput	52 Gbps
3	SSL VPN throughput	10 Gbps
5	NGFW throughput (Ent Mix)	21 Gbps
6	Threat Protection throughput (Ent Mix)	20 Gbps
7	SSL inspection throughput	15 Gbps
8	Application Control throughput	70 Gbps
9	Concurrent TCP sessions	15 Million
10	New TCP sessions/sec	700K cps
11	Virtual Firewall/Router/Domains	10
12	Form Factor	under 2 RU
13	Power	Dual AC
14	Interfaces	4 x 25G SFP28
15		4 x 10G SFP+
16		8 x 1GE SFP & 12 RJ45 GE
17	Local Storage	480GB
18	Security Features Should be offered with IPS, Advanced Malware Protection, Application Control, URL , Antispam Service and support for 3 years	

Sr.#	Require Hardware based firewall with following performance specs (2x)	Minimum
1	Firewall throughput @ 64 byte UDP	65Gbps
2	IPsec VPN throughput	52Gbps
3	SSL VPN throughput	4Gbps
4	IPS throughput (Ent Mix)	12Gbps
5	NGFW throughput (Ent Mix)	11Gbps
6	Threat Protection throughput (Ent Mix)	10Gbps
7	SSL inspection throughput	8Gbps
8	Application Control throughput	30Gbps
9	Concurrent TCP sessions	7.8Million
10	New TCP sessions/sec	540K cps
11	Virtual Firewall/Router/Domains	10
12	Form Factor	under 1.5RU
13	Power	Dual AC
14	Interfaces	8 x 10GE SFP+
15		16 x GE RJ45
16		6 x 1GE SFP
17	Local Storage	450GB
18	Security Features Should be offered with IPS, Advanced Malware Protection, Application Control, URL , Antispam Service and support for 3 years	

S. No	Description of Web Application Firewall (2x)	Compliance (Yes/No)
1	Must be Listed in leaders or challengers Magic Quadrant for Web Application Firewall in last published year- 2023	
2	Must-Have Minimum 1.0 Gbps Web Application Firewall Throughput or more	
3	The proposed solution should have the ability to integrate with standard Security Information and Event Management (SIEM).	
4	The proposed solution should provide a high-level dashboard of system status, Web activity, reporting which includes Attack Activities, Traffic Activities, Event Activities in multiple formats like, HTML and PDF	
5	The proposed solution should have SSL/ TLS offloading and SSL/TLS Processing Hardware.	
6	The proposed solution should support load balancing based on Round-Robin, Weighted Round-Robin, Least Connection, URI/Full URI Hash, Host Hash, Host Domain Hash & Domain Hash.	

7	The proposed solution should inspect HTTP, HTTPs, & FTP to prevent attacks and must Include AI-Based Machine Learning Threat Detection, Threat Analytics, IP Geolocation, Data Leak Prevention, Brute Force Protection, Custom Error Message, Error Code Handling, Credential stuffing defense service and malware file detection	
8	Must Include Application Attack Protection, OWASP Top 10 Protection, Cross Site Scripting, SQL Injection, Cross Site Request Forgery, Session Hijacking, Application-Level DOS and DDOS Attack, File Upload Scanning with Anti-Virus.	
9	The proposed solution Must provide, AI-based Machine Learned web application security, WebSocket protection & signature enforcement and Man in the Browser (MiTB) protection	
10	The proposed solution should provide reports based on Attack Activities, Traffic Activities, Event Activities in multiple formats like, HTML, PDF, should support reporting and logging facilities.	
11	Must have high availability configurations (Active-Active, Active Passive).	
12	Must include unlimited application licenses.	
13	Must-Have Minimum 400 GB SSD Storage Capacity	
14	Must have Rack mounted Form Factor and redundant power supplies	
15	The proposed solution should have Reputational Base Service which can provide a near real time live feed of the following known attack sources: 1. Malicious IPs 2. Botnets 3. Phishing URLs 4. Anonymous Proxies	
16	License's: 5 Years Complete Security Features License	
17	SFP's: Must Have Minimum 4 x GE SFP with Multi-Mode Optical Module loaded with 3M LC cables) and Must-Have Minimum 4 x 1G RJ45	
18	Must Have Below Features	
	· HTTPS transactions per second 20K	
	· HTTPS concurrent connection 400K	
	· On-board storage of 400GB	
	· Throughput must be equal or greater than 1.0Gbps	
	· L4 or L7 Load balancing	
	· Reverse Proxy	
	· Inline Transparent	
	· True Transparent Proxy	

	· Offline Sniffing	
	· Layer 7 server load balancing	
	· URL Rewriting	
	· Content Routing	
	· HTTPS/SSL Offloading	
	· HTTP Compression	
	· Caching	
	· AI-based Machine Learning	
	· Automatic profiling (white list)	
	· Web server and application signatures (black list)	
	· IP address reputation	
	· IP address Geolocation	
	· HTTP RFC compliance	
	· Native support for HTTP/2	
	· OpenAPI 3.0 verification	
	· WebSocket protection and signature enforcement	
	· Man in the Browser (MiTB) protection	
	· Centralized logging and reporting	
	· User/device tracking	
	· Real-time dashboards	
	· OWASP Top 10 attack categorization	
	· Geo IP Analytics	
	· SNMP, Syslog and Email Logging/Monitoring	
	· Malware detection	
	· Virtual patching	
	· Protocol validation	
	· Brute force protection	
	· Cookie signing and encryption	
	· Threat scoring and weighting	
	· Syntax-based SQLi detection	
	· HTTP Header Security	
	· Custom error message and error code handling	
	· Operating system intrusion signatures	
	· Known threat and zero-day attack protection	
	· L4 Stateful Network Firewall	
	· DoS prevention	
	· Advanced correlation protection using multiple	
	· Web Defacement Protection	
	· HTTP/2 to HTTP 1.1 translation	
	· DLP (Data Leak prevention)	
	· Web Defacement Protection	
	· IPv6 Ready	

	· HTTP/2 to HTTP 1.1 translation	
	· HSM Integration	
	· Built-in Vulnerability Scanner	
	· Seamless PKI integration	
	· Attachment scanning for ActiveSync/MAPI applications, OWA, and FTP	
	· High Availability with Config-sync for syncing across multiple active appliances	
	· Auto setup and default configuration settings for simplified deployment	
	· Setup Wizards for common applications and databases	
	· Preconfigured for common Microsoft applications; Exchange, SharePoint	

Router [2x]		
Network Router Technical Specifications		Compliance
Sr.#	Features and Specifications	
1	Technical Specifications	
1.1	Chassis Specifications	
1.1.1	Total Interface 2 x 1/10 GbE and 4 x 1 GbE (including 2 x 10G SR and 4 x 1 G T RJ45 SFPS) or Higher. Modular with 1 x Service and 1 x Network extension module Slot or Higher	
1.1.2	Memory 8GB or Higher	
1.1.3	IPSec Throughput 16Gbps or Higher	
1.1.4	Forwarding Throughput 18Gbps or Higher	
1.1.5	Redundant Power Supply, Required Qty. = 02 x Per Unit Chassis or Higher with Power Cords as per region	
1.1.6	Standard Rack Mounting Brackets or Equivalent	
1.2	Software Features	
1.2.1	Must have support for DES/3DES, AES, RSA algorithm, MD5, SHA-1, IPSec, Easy VPN, VTI, IPSec, High Availability , AAA, RADIUS, TACACS or Higher	
1.2.2	Must Support RIP v2, OSPF v2/v3, RIPvng, BGP, HSRP, MPLS Layer 2 and Layer 3 VPN, Advance Enterprise License SD WAN or Higher	
1.2.3	Must Support IGMP, PIM-SM, PIM-SSM or Equivalent	
3.1	Warranty and Support	
3.1.1	The bidder shall provide three (03) years Warranty (i.e. 8 Hours a day x 5 Days a week x NBD Hours response) by OEM including software and hardware upgrades (during warranty period).	

Logger			
Sr.#	General Requirements	Compliant	Comments
		Yes or No	

1	Must provide Powerful Network Security Visibility with customizable interactive Dashboard and summary views		
2	It must have Drill-down capabilities to follow the trail of an attacker, trace transactions, and gain new insights		
3	It must provide superior Visualization with graphical bubble charts, and a geographical Threat Map		
4	Must have Automated Correlation Engine to identify suspicious traffic pattern and present a prioritized list of hosts which are compromised		
5	Must have built-in report templates, which are highly customizable		
6	Must have the facility to create custom reports with intuitive chart builder		
7	Must have Automated alert notification for issues, problems and attacks		
8	The Centralized logging and Reporting appliance must be able to parse logs and generate reports for all the appliance supplied along with this solution		
9	Must support a real time dashboard.		
10	Must support a log viewer (real time and historical)		
11	Must support alerting via email and SNMP		
12	Must support integration with 3 rd party system via JSON and XML Web Services API		
13	System should be deployed as VM and able to process 50GB of logs per day		