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**State of Israel – Ministry of Finance**

**Division of the Accountant General —Government Procurement Administration**

**Central Tender 05-2022**

**Specific Invitation to Tender No. 7 for the Supply of NGFW (Next Generation Firewall) Systems**

**and Accompanying Services**

Version 2—September 2024

**1. Rules of the Invitation to Tender**

**1.1 General**

1.1.1 The Government Procurement Administration in the Accountant General Division, Ministry of Finance (hereinafter: “**the Administrator of the Tender**”) hereby promulgates a Specific Invitation to Tender for the supply of NGFW—Next Generation Firewall systems and the provision of services thereof (hereinafter: “**the Specific Invitation to Tender**”). This Specific Invitation to Tender is conducted as part of Central Tender 05-2022 for the procurement and supply of products and services in the field of information security and cyber protection for government ministries, support units, and related entities (hereinafter: “**the Central Tender**”) and shall be designated as Tender No. 7.

1.1.2 Only Framework Suppliers are permitted to participate in the Specific Invitation to Tender. In this document, Framework Suppliers shall also be referred to as “**the Bidders.”**

1.1.3 The Specific Invitation to Tender documents must not be distributed to any party other than the parties required for the purpose of responding to this request and subject to the undertaking of that party to maintain the confidentiality of the Specific Invitation to Tender documents.

1.1.4 Responses to this Specific Invitation to Tender must be submitted by the date specified in Appendix A—General Details about the Specific Invitation to Tender.

1.1.5 It is hereby clarified that this Specific Invitation to Tender is an integral part of the Tender and the Framework Supplier and is subject to all the duties and rights detailed both in the Tender documents and in this document.

1.1.6 Financial bids for this Specific Invitation to Tender shall be submitted via the Bid envelope method. To the extent that the manner of submitting bids changes, the Administrator of the Tender shall notify the registered suppliers in advance within a reasonable time that will enable the submission of financial bids for the Specific Invitation to Tender via an alternative method.

1.1.7 In this Specific Invitation to Tender, up to two winners shall be selected, each of which has submitted a proposal for a system manufactured by a Manufacturer other than the Manufacturer proposed by the other winner. The Bidder ranked first in the Specific Invitation to Tender shall be selected as the first winner and will be required to provide the entire line of products and services included in this Specific Invitation to Tender as a main line of defense (hereinafter: “**the First Winner**”). The next Bidder in the ranking that proposed an alternative Manufacturer to the Manufacturer proposed by the First Winner shall be selected as the second winner and shall be required to provide only a secondary line of defense (a system installed in parallel to the system purchased from the First Winner (hereinafter: “**the Second Winner**”) and this pertains to Buyers that decide to install a second line of defense after purchasing systems from the First Winner. For example, in a situation where the two Bidders that ranked in first place in the Specific Invitation to Tender have proposed a system that is manufactured by the same Manufacturer, then the Bidder ranked third shall be declared the Second Winner (hereinafter: “**the Winners**”) in the event that they have offered products made by another manufacturer.

1.1.8 Notwithstanding Section 1.1.7 above, in cases where the existing system at one of the Buyers in the Specific Invitation to Tender is manufactured by the Second Winner, the Administrator of the Tender may at his or whole sole discretion stipulate for this Buyer that the main line of defense shall be provided by the Second Winner and that the second line of defense shall be provided by the First Winner, insofar as a second line of defense is required by that Buyer.

1.1.9 In addition, in cases where it is found that there is a problem that materially prevents or substantially complicates the installation of the First Winner’s system at a specific Buyer, the Administrator of the Tender shall be entitled to approve, at his or her sole discretion, the purchase of the Second Winner’s products as a main line of defense.

1.1.10 It is hereby clarified that a Buyer that published a tender or entered into a contract with any Supplier for the purchase of products and services that are the subject of the Specific Invitation to Tender prior to the announcement of the winner of the Bid, may continue the Tender process and the contract until its completion in accordance with the conditions stated therein. In addition, a Buyer may enter into a contract for the purchase of products and services that are the subject of redistribution with the approval of the Exemption Committee, as stipulated in the Mandatory Tenders Regulations 5753-1993.

1.1.11 The Cloud Firewall-n domain was included by the Administrator of the Tender in the framework of Central Tender 01-2022 for adding services to the government digital market, which was conducted as part of the “Nimbus Project” (hereinafter: “Tier 5”). If products manufactured by a manufacturer whose products have been selected as winners in this Specific Invitation to Tender are selected within Tier 5, the rules detailed in Section 2.3.1.5 of Booklet No. 2 shall apply: Chapter 2—the Specific Invitation to Tender Booklet in the Tender documents of Tier 5 in their latest version, which is published on the website of the Government Procurement Administration.

1.1.12 It is hereby clarified that the Administrator of the Tender shall be entitled to update the Specific Invitation to Tender document and its appendices at his or her sole discretion, until the final Bid submission date as specified in Appendix A—General Details for the Specific Invitation to Tender. In the aforementioned cases, the Administrator of the Tender shall provide the Bidders with updated Specific Invitation to Tender documents. To the extent that the Administrator of the Tender has published an updated version of the Specific Invitation to Tender documents, the Bidder must ensure that they submit their response according to the updated version.

1.1.13 It is hereby emphasized that the entire tender proceeding and the contracting arrangement that follows it are confidential. Every party to the proceeding, be it a participant, a winner, or a manufacturer, is obliged by force of the Central Tender and the Specific Invitations to Tender pursuant thereto not to publish anything pertaining to the Tender procedure. The Administrator of the Tender reserves the right not to publish a public instruction (tender notice) on the subject of this Specific Invitation to Tender but to distribute it in an alternative way.

1.1.14 The contact person for this Bid is Mr. Daniel Ben-Hamo, email address: GPA\_cyber@mof.gov.il.

1.1.15 In every inquiry concerning this Specific Invitation, the title of the email must state the Specific Invitation number, the name of the Specific Invitation, and the subject of the inquiry (for example: “Specific Invitation to Tender No. 7 for the supply of NGFW systems and related services—clarification questions”).

**1.2 Submission of clarification questions and remarks**

 **1.2.1 Submission of clarification questions and remarks**

 1.2.1.1 Clarification questions and remarks shall be submitted using the Yahalom system, as detailed in Section 1.3.1.10 below.

 1.2.1.2 The text of the Administrator of the Tender’s responses is the binding text and constitutes an integral part of the Specific Invitation to Tender documents.

 1.2.1.3 Questions submitted after the deadline or that are submitted orally, by telephone, or in a format other than that stipulated shall not require a response from the Administrator of the Tender.

 1.2.1.4 No response shall be given to questions submitted anonymously.

 1.2.1.5 The Administrator of the Tender may permit additional rounds of clarification questions and remarks in a notice promulgated to the Framework Suppliers.

 1.2.1.6 Without deviating from the provisions of any law, any Bidder that does not contact the Administrator of the Tender with clarification questions and remarks about the Specific Invitation to Tender in accordance with the rules of the Tender and the Specific Invitation to Tender instructions shall be prohibited from raising any future complaint, demand, or claim against the conditions of the Tender and the Specific Invitation to Tender.

 **1.2.2 The response of the Administrator of the Tender to clarification questions and remarks**

 1.2.2.1 Responses and clarifications shall be provided in writing only. Their wording shall be the binding wording and they shall constitute an integral part of the Specific Invitation to Tender documents.

 1.2.2.2 The Administrator of the Tender’s responses and clarifications shall be distributed to the Framework Suppliers via the Yahalom system. It is the responsibility of the Framework Suppliers to keep up to date with the Administrator of the Tender’s responses and with regular updates that the Administrator of the Tender shall promulgate regarding the Tender and the Specific Invitation to Tender.

1.2.2.3 The Administrator of the Tender may revise the Specific Invitation documents in any way and may interpret or clarify the provisions of the Tender and the Specific Invitation irrespective of clarification questions.

 1.2.2.4 The Administrator of the Tender is not bound to the wording of any submitted question including that the Administrator of the Tender may when formulating a response to a clarification question, abridge or revise the wording of a question.

 1.2.2.5 The identity of those submitting questions shall not be published as part of the response to a clarification question or in any case whatsoever except as required by law.

**1.3 Submission of Bids**

 1.3.1 General

 1.3.1.1 The Bidder shall submit one Bid for the products and services of one manufacturer.

 1.3.1.2 To eliminate any doubt, a Bidder must comply with all requirements specified in this document. The requirements set forth by the Administrator of the Tender shall not be revised. Any such revision may result in disqualification of the Bid at the discretion of the Administrator of the Tender.

 1.3.1.3 Only responses to Appendices B through F are mandatory. It is not necessary to sign the response on each page and no need to sign elsewhere in the response documents except where this is explicitly stated (such as in Appendix B).

 1.3.1.4 The submission shall be made via a digital tender box as noted in Section **1.3.1.6** below**.**

 1.3.1.5 The following documents shall be submitted via the digital tender box as part of the response:

|  |  |
| --- | --- |
| Document name | Comments |
| Bidder’s approval | 🗹 Signed by an authorized signatory on behalf of the Bidder, in the text attached as Appendix B.🗹 To be submitted in PDF format. |
| Professional and technical requirements (Appendix C) | 🗹 Complete answers to the questions detailed in Appendix C below, in accordance with the instructions set out at the start of the Appendix.🗹Any document that the Bidder wishes to submit must be attached to the response as a Word file and directed to the appropriate sections of the document.🗹 References to links will not be checked.🗹 To be submitted in Word format. |
| Price list | 🗹 The Manufacturer’s official price list must be attached.🗹 The official price list must be the District of Columbia, United States price list, as stipulated in Section 3.7.1 of the main Tender documents.🗹 To be submitted in PDF format. |
| Licensing specification | 🗹 Manufacturer’s full licensing specification for all products included in its official price list.🗹 To be submitted in PDF format. |
| Reference model | 🗹 A full response to the Reference Model in accordance with the details in Appendix D1 attached to the Bid documents.🗹 Attention must be given to the provisions of Sections 3.7.4 and 3.7.5 of the main Tender documents.🗹 To be submitted in Excel format. |
| Manufacturer’s statement | 🗹 An affirmation for the Manufacturer whose products or services are offered in the Tender, in the wording attached herewith as Appendix E🗹 The statement may be submitted in Hebrew or English.🗹 To be submitted in PDF format.🗹 In a case where the Bidder, as an independent legal person, fails to comply with this requirement, the Bidder may ask the Administrator of the Tender to recognize the experience of a legal person that is not the Bidder itself, insofar as said legal person controls the Bidder in full (100%). In such cases, the Bidder shall attach the appropriate support literature to the Bid, including a merger agreement or part thereof, a decision of the Board of Directors, and any other document that shall satisfy the Administrator of the Tender as to compliance with the requirements. |
| Request for confidentiality about details in the Bid | 🗹 To the extent that the Bidder believes that parts of the Bid constitute a commercial secret or a professional secret, the Bidder must complete the table in Appendix F.🗹 The Bidder’s answers to the technical requirements (Appendix C) shall be considered a commercial or a professional secret and no right of inspection will be permitted in this part of the Bid that wins the Bid.🗹 To be submitted in Word format. |
| Other documents | 🗹 Appendices may be attached to the response as required.🗹 Additional appendices shall be submitted in the format in which they were originally prepared. |

 1.3.1.6 Bid submissions shall be undertaken online using the **Yahalom system** unless the Administrator of the Tender specifies a different submission system as promulgated in a notice to the Framework Suppliers. In such a case, Bidders must act in accordance with the published instructions.

 1.3.1.7 A link to the system for submitting bids shall be sent via email and shall be sent to the list of Framework Suppliers. Bidders seeking to ask clarifying questions and to submit their Bid to the Specific Invitation to Tender are required to click on the “Submit questions and bids” link in the Yahalom system.

 1.3.1.8 There is a two-stage procedure for submitting bids in the system:

 1.3.1.8.1 Identification of the Bidder via the national identification system (1.3.1.9).

 1.3.1.8.2 Submission of the Bid in the tender box in the Yahalom system (as specified in Section 1.6).

 **1.3.1.9 Operations in the national identification system**

 1.3.1.9.1 Bidders that have not yet registered in the national identification system will be required to register in the system and, upon completion of the registration process, to verify the identification in order to advance to the Bid submission stage.

 1.3.1.9.2 Bidders that are registered in the national identification system will be required to verify their identity in order to advance to the Bid submission stage.

 1.3.1.9.3 In the event of any malfunction in the national identification registration process or in the identification process, contact the system Support Center (telephone: 1299, email address: moked@mail.gov.il, additional telephone: 08-6863100).

 1.3.1.9.4 Additional details about the registration procedure, including a user guide for the Yahalom system, are detailed [in this link](https://govextra.gov.il/mr/portal/government/yahalom-teivadigitalit/).

 1.3.1.9.5 After completing the identification, the system will automatically transfer the Bidder to the relevant tender box. Bidders shall ensure that the name and number of their requested tender appears in the Bid submission system.

 **1.3.1.10 Operations in the Yahalom system**

 1.3.1.10.1 Bidders seeking to ask a clarifying question or to submit remarks may do so, as long as the deadline for asking clarifying questions and remarks has not passed, by clicking on the “clarifying questions” button. Bidders shall enter the chapter/appendix number and the section number pertaining to each question.

 1.3.1.10.2 As part of submitting bids, Bidders shall act in accordance with the instructions that appear in the Yahalom system, complete all the required fields clearly and in accordance with the system instructions, and upload the required files to the system in accordance with the Tender instructions.

 1.3.1.10.3 After completing the submission of the Bid in the system, a notification will be received stating that “your Bid has been sent successfully” and the Bidder will be able to download the Bid document. The Bid document is a digitally signed document of the Bid and is a reference to the submitted Bid. The document will also be sent to the Bidder by email. The last Bid document sent will also be visible to the Bidder in the system.

 1.3.1.10.4 A Bidder may update their Bid as long as the Bid submission deadline has not passed.

 1.3.1.10.5 To the extent that the Administrator of the Tender makes an amendment to the Specific Invitation to Tender documents (with the exception of a change to the Tender dates) after a Bid has been submitted in the tender box, **bids that were in the tender box shall be canceled and shall revert to draft status and Bidders that wish to submit their bids in accordance with the updated Tender conditions will be required to resubmit.**

 1.3.1.10.6 It shall not be possible to submit bids in the system after the final Bid submission deadline.

 1.3.1.10.7 The Bid submission process entails various technical limitations such as:

 1.3.1.10.8 Up to ten files may be uploaded, with a maximum file size of up to 15MB each.

 1.3.1.10.9 The time period after which the system will disconnect if there is no user activity (20 minutes for time-out).

 1.3.1.10.10 Additional technical limitations: It is the Bidder’s responsibility to read the guide for submitting bids using a digital tender box in advance in order to become familiar with the other limitations of the system. In addition, the Bidder has access to [training materials](https://govextra.gov.il/mr/portal/government/yahalom-teivadigitalit/) designed for submitting bids successfully.

 1.3.1.10.11 For technical assistance in the event of a malfunction or question, contact the support center on Sunday–Thursday between 08:00–17:00 by email: moked@mail.gov.il or via the human chat: https://mygovchat.gov. il/icr/bot.aspx?l=3.

 1.3.1.10.12 The application shall state the name of the Tender, the deadline for Bid submissions, and if necessary, attach screenshots.

 1.3.1.10.13 The wait time from the moment a request is sent until a service representative responds shall not exceed 4 hours during the Support Center’s working hours.

 1.3.1.10.14 The Support Center does not undertake to provide a response to inquiries received less than 4 hours before the Bid submission deadline.

 1.3.1.10.15 Bidders that submit their bids when there are less than 4 hours left to submit bids in the Tender assume the risk that in the event of a malfunction, the service representative will not be able to solve their technical problem or answer any technical query that they may have.

 1.3.1.11 It is the sole responsibility of the Bidder in the Tender to submit their Bid before the Bid submission deadline.

 1.3.1.12 Bidders must take into account that close to the Bid submission deadline there may be a load on the submission system or other technical malfunctions that will prevent Bidders from submitting their bids. Bidders must be prepared for this and submit bids ahead of the deadline.

 1.3.1.13 Bidders shall not have any claim against the Administrator of the Tender regarding malfunctions discovered in the identification system or in the Bid submission system close to the Bid submission deadline even if Bidders were unable to submit their bids in the Tender as a result.

 1.3.1.14 **Automatic cancelation of bids.** As set forth above, changes to the Tender documents may be made until the final date for the submission of bids and even after the date from which bids can be submitted for the Tender. If after a Bid has been submitted to the tender box, the Administrator of the Tender makes a change to the Tender documents, with the exception of a change to the Tender dates, bids that were in the tender box will automatically be canceled and will revert to draft status. A Bidder that wishes to submit their Bid in accordance with the updated Tender conditions will be required to resubmit.

 1.3.1.15 It is the sole responsibility of the Bidder to keep up to date with the status of their Bid in the bidding system.

**1.4 The Bid review procedure**

 1.4.1 Bids in the Specific Invitation to Tender shall be examined in accordance with the rules set out in the Central Tender documents, with an emphasis on “Booklet No. 2 of the Central Tender documents: Instructions regarding Part B of the Specific Invitation to Tender” (hereinafter: “**Booklet No. 2 of the Central Tender documents**”). Only bids that meet the mandatory requirements of the Specific Invitation to Tender shall progress to the stage of calculating the quality score.

 **1.4.2 The first stage—Calculating the Quality Score**

 1.4.2.1 A minimum quality score has been determined for this Specific Invitation to Tender, as detailed in Appendix A. Furthermore, the weightings for awarding the quality score within the framework of the Specific Invitation are detailed in Appendix A. Bids given a quality score that is lower than the minimum quality score determined in Appendix A shall not progress to the financial proposal submission stage.

1.4.2.2 After all bids in the Specific Invitation receive quality scores, they will be weighted such that the Bid with the highest quality score shall receive a weighted quality score of 100, whereas the other bids shall receive scores prorated to the ratio of the quality score of their Bid to the Bid that received the highest quality score, in accordance with the following formula:

 Weighted quality score of the Bid reviewed = the quality score of the Bid reviewed divided by (÷) the quality score of the Bid that received the highest quality score among all bids in the Specific Invitation, multiplied by 100. For example, if the highest quality score is 90 and the score of the Bid reviewed is 72, the weighted quality score of the Bid examined will be $\frac{72}{90}\*100$=80 points.

 1.4.3 **Stage 2—Calculating the Weighted Price**

1.4.3.1 Bidders with bids satisfying the minimum terms and exceeding the minimum quality score, as the case may be, shall be invited to participate in the online dynamic stage of Specific Invitation, on the date specified in Appendix A.

 1.4.3.2 Each Bidder progressing to the financial submission stage shall be required to submit a Bid in a structured format in which the following details must be included:

 1.4.3.2.1 A percentage discount from the official price list for all products offered by the Bidder in the Specific Invitation to Tender.

 1.4.3.2.2 Costs for maintenance services as detailed in the relevant sections in Appendix D (maintenance costs, working hours, and so on) in accordance with what is stipulated in the Appendix.

 1.4.3.3 These components will be weighted as specified in the Reference Model (Appendix D).

 1.4.3.4 The weighted price of the Bid to be submitted will not, in any case, exceed the maximum price for the Bid as determined in accordance with what is stated in Section 1.5 below. Submission of a price offer that is higher than the maximum price that will be determined will result in the Bid being rejected.

 In the event that a Bidder has won two or more Specific Invitations to Tender and there are items common to two or more Specific Invitations to Tender, the lowest price of the prices offered for the product will be determined.

 **1.4.5 Stage 3—Determination of Price Score**

 From the weighted price of the Bid, the price score will be derived according to the following formula:

 Definitions:

 *TPi  –* the price score of the Bidder i

 *pi  –* the weighted price of the Bidder i

 *lowest price received* – the lowest weighted price that was received by any of the Bidders.

 *Median price* – the median value of the total prices submitted in response to the Reference Model (by Bidders that passed the minimum quality score).

$$TP\_{i}=\left(1-\frac{p\_{i}-lowest price received}{Median price}\right)×100$$

 1.4.6 **Stage 4—Calculating the Bid Score and Bid Ranking**

 The price score will be weighted together with the quality score of the Bid as detailed below in this Section and will constitute the Bid score. Bidders will be ranked according to their Bid score, with the highest scoring Bid ranked first.

 Definitions:

 G*i*– the Bid score of Bidder *i*

 Q*i* – the quality score of Bidder *i*

 TP*i* – the price score of Bidder *i*

 W*q* – the quality weighting

 W*p* – the price weighting

 The Bid score will be determined according to the following formula: $G\_{i}=W\_{p}×TP\_{i}+W\_{q}×Q\_{i}$

 The weightings in this Specific Invitation to Tender are:

|  |  |
| --- | --- |
| **Component** | **Weighting** |
| 60% | Quality weighting (*Wq*) |
| 40% | Price weighting (*Wp*) |

**1.5 Maximum Price**

 1.5.1 The Administrator of the Tender will be entitled, prior to the submission of bids, to set a maximum price for the Bid. In such event, the maximum price will be the same for all Bidders.

 1.5.2 The maximum price will be communicated to Bidders at least seven working days prior to the Bid submission date.

 1.5.3 Following receipt of the maximum price, Bidders will be entitled to withdraw their bids for the Specific Invitation to Tender without this being considered noncompliance with the conditions of the Specific Invitation to Tender. Withdrawal of an offer as aforementioned will be carried out in writing within two working days from the date on which the maximum price is sent to Bidders. Bidders who have not withdrawn their bids as stated agree to the aforementioned maximum price and to their continued participation in the Specific Invitation to Tender process.

 1.5.4 The Administrator of the Tender will be entitled to change the maximum price determined at each Bid submission stage. In this case, the mechanism established above shall apply, as if the maximum price had been set afresh. If the Administrator of the Tender is required to update the maximum price, Bidders shall be notified at least seven working days before the deadline for submission of the financial Bid.

**1.6 Simulated Specific Invitations to Tender**

1.6.1 This Specific Invitation to Tender shall be undertaken by submitting price bids in envelopes so there will be no simulated Specific Invitations to Tender.

 1.6.2 As the Specific Invitation to Tender method changes and becomes an online dynamic Specific Invitation to Tender, there will be a simulated Specific Invitation to Tender that will be conducted in accordance with the specifications in Section 2.9.4 of Appendix 2 to Booklet 2 of the Central Tender documents.

 1.6.3 To the extent that the Administrator of the Tender decides to amend a particular detail in the rules of the Specific Invitation to Tender and the position of the Administrator of the Tender is that the amendment would significantly change the conduct during the Specific Invitation to Tender, the Administrator of the Tender may announce the holding of another simulation Specific Invitation to Tender. In such a case, the rules detailed above shall apply with the required changes.

**1.7 Single Bids**

1.7.1 Without deviating from the provisions of Section 1.5.2 of the Central Tender documents, to the extent that a single Bid is submitted to the Specific Invitation to Tender or that only one Bid remains after the bids are inspected, the Administrator of the Tender shall be entitled, at his or her sole discretion, to:

 1.7.2 Declare the remaining Bidder as the Winner and leave a single Winner in the Specific Invitation to Tender;

 1.7.3 Declare the remaining Bidder as the First Winner and republish the Specific Invitation to Tender for the selection of a Second Winner as set out in Section 1.1.7 above;

 1.7.4 Cancel the Specific Invitation to Tender and publish a new Tender or Specific Invitation to Tender.

**1.8 Contractual Details**

 1.8.1 The rules set forth in Chapter 3 of the Central Tender documents apply to contracting as part of this Specific Invitation to Tender—the execution and realization of the contract.

 1.8.2 The contracting period

 1.8.2.1 The contracting period under the Specific Invitation to Tender (hereinafter: “**the Specific Invitation to Tender contracting period**”) shall be for 36 months from the date on which the Administrator of the Tender notifies the Specific Invitation to Tender Winner of the commencement of the contracting period. The Administrator of the Tender shall have the option to extend the contract for additional periods up to an additional 36 months (a total of 72 months) with advance written notice prior to the end of each period. Throughout the contracting period of the Specific Invitation to Tender, the Buyer shall be entitled to purchase products and services from the winning Supplier or suppliers in accordance with the rules of the Specific Invitation to Tender.

 1.8.2.2 The first **30** working days of the contracting period in the Specific Invitation to Tender shall be defined as an organization period, during which the winning suppliers will be required to complete their preparations for the supply of the requested products and services.

 **1.8.3 Warranty and maintenance**

 1.8.3.1 Without deviating from the stipulations in Section 3.13.1 of the Central Tender documents, the warranty, service, and maintenance period, or the initial subscription period for purchased products and services (including extensions, licensing, subscription fees for one or another service, and software included in the sale of the products) shall be included in the price of the product or service and shall be 36 months from the date of activation of the product, and to the extent that the Buyer has purchased installation and implementation services, from the date of the Buyer’s confirmation that the installation has been performed by the Supplier and was carried out to his satisfaction and in the required manner, whichever is later (hereinafter: “**the Initial Warranty Period**”). In the event that, in the opinion of the Administrator of the Tender, there is a delay in receiving the Buyer’s approval for reasons that are beyond the Supplier’s control, the warranty period shall commence from the date of completion of all the Supplier’s enforceable obligations, as determined by the Administrator of the Tender.

 1.8.3.2 The Winner shall provide additional warranty and maintenance periods beyond the Initial Warranty Period at the rate proposed by him as part of his Bid in the Specific Invitation to Tender and at most, up to 72 months from the end of the contract period in the Specific Invitation to Tender (hereinafter: “**the warranty and maintenance period**”). That is, the warranty and maintenance obligation may continue even after the contract period has ended.

 1.8.3.3 It is hereby clarified that, if the sales model is a **subscription**, the warranty and maintenance services shall be provided at the subscription price throughout the subscription period (even if this period exceeds the contract period) as long as the Buyer pays for the subscription and no additional costs for warranty and maintenance are required, including in the event of the renewal of the subscription.

 1.8.4 **Extending the Service to 24/7 Service**

 1.8.4.1 The Buyer shall be able to choose whether it wishes to receive warranty and maintenance services within a 24/7 callout window, in accordance with the level of service detailed in Section 3.13.6.3.5 of the Central Tender documents.

1.8.4.2 For the extension of this level of service, additional consideration shall be paid to the Supplier as detailed below:

 1.8.4.2.1 For a purchased product or service—consideration at the rate of 15% of the annual maintenance price as proposed in its Bid—for example, for a product that costs $5,000, and the cost of the annual warranty and maintenance is 10% of the purchase price, a consideration of $75 shall be paid to the Supplier for each year in the Initial Warranty Period and a consideration totaling $575 for each additional year of warranty and maintenance (annual maintenance cost for each of the additional years is 10% x 5,000=$500, the additional consideration for extending the service is 15% x 500=$75).

 1.8.4.2.2 For a subscription product or service—a consideration of 5.25% of the annual subscription cost—for example, for a product that costs $1,500 per year, the Supplier shall receive a payment of $78.75 for each year in which the service is required (5.25% x 1,500=$78.75).

 1.8.4.2.3 It is hereby clarified that the Buyer may activate and stop the service extension at any time when the interruption of the service shall take effect one full calendar year from the activation of the extension.

 1.8.5 Extensions for the service of non-removed components

 1.8.5.1 In accordance with section 3.13.5.2 of the Tender documents, in the case that a Buyer requests that maintenance services are carried out on a piece of equipment or a hardware component only, without its removal from its premises, a onetime addition of 3% of the cost of that component shall be paid to the Supplier at the time of purchase.

 **1.8.6 Licensing**

 1.8.6.1 In the case of an organizational change (including the splitting or merging of offices or units), the Buyer shall be entitled to convert any license to a parallel license with the same Buyer or to transfer a license to another Buyer.

 1.8.6.2 In a case where the Buyer has hardware produced by a manufacturer whose products were chosen as winners in this Specific Invitation to Tender and were acquired by force of another contract, the Buyer may purchase a license and every module or expansion of hardware configuration or software for said hardware, commensurate with its needs, and shall not be obliged to purchase new hardware.

 Said licensure for the establishment of an evaluation laboratory shall be at no cost.

 The Manufacturer must have a license management interface that can be accessed by all Buyers via the internet whereby the Buyer, after being identified, can receive a report on all the licenses registered in his organization, their validity, the validity of the maintenance agreement, and so on. A Buyer may request that its identification not appear in the system and the Supplier will refrain from uploading it to the system to the extent that this is required in advance, or to be deleted from it as required within five working days. Alternatively, and with the consent of the Buyer, the Buyer’s identification may be changed to another identification following coordination with the Buyer.

 The licensing cost for establishing a passive **DR** or establishing a “dormant system” will be 20% of the licensing cost as determined in accordance with the winning price bids.

 1.8.7 **Installation and implementation of purchased products and services**

 1.8.7.1 The Buyer will also be entitled to purchase, as part of the requested products and services, installation and implementation services, in accordance with what is stated in Section 3.8.4 of the Central Tender documents and detailed in Appendix D.

 1.8.7.2 To the extent that the Buyer has purchased installation and implementation services, the Supplier shall prepare, in coordination with the Buyer, for the establishment of the project and the execution of the required works, and for this purpose, shall coordinate with the Buyer regarding the contents of the work in accordance with the stipulations of sections 3.9.6-3.9.8 of the Central Tender documents and in accordance with the stipulations below.

 1.8.7.3 As part of the installation and implementation of the products and service, insofar as these services were ordered by the Buyer, the Supplier shall define all the required settings in accordance with the stipulations of the Tender documents, the instructions of the Buyer, and the Manufacturer’s Best Practices, until the product is fully and properly in operation.

 1.8.7.4 In addition, the Supplier shall instruct the Buyer’s personnel for full and independent operation of the system such that at the end of the installation and implementation process, the Buyer’s professional teams shall operate the product in a proper, full, and independent manner.

 **1.8.8 Consideration for the installation and implementation of purchased products and services**

1.8.8.1 For each hour of actual installation and implementation (hereinafter: **“Hour of Work”**) the Supplier shall be recompensed in the amount of NIS 250 (including VAT) per hour of work.

 1.8.8.2 The consideration for hours of work performed beyond the accepted hours of work shall be subject to the stipulations of Section 3.8.4.4 of the Central Tender documents.

 1.8.8.3 The rate per hour of work shall not be updated in the first 12 months after the commencement of the contract. After that, the rate may be updated at most every 12 months in accordance with the percentage change that will apply to the rate of a “cyber security implementer” position holder at specialization level B, as set out in the “maximum rates” table in the TAKAM (Regulation, Finance, and Economy) notice accompanying Tender 01-2009 for the supply of computing services for government offices (as of the time of publication of the Specific Invitation to Tender, the announcement number is 16.2.11 for “Provision of Computing Services for Government Offices,” **–**[**https://takam.mof.gov.il/document/HM 16.2.11**](https://takam.mof.gov.il/document/HM%2016.2.11) **–** or in any notice that supersedes it (hereinafter: “**Computing Services Tender**”).

 1.8.8.4 In the event that the rates in the Computing Services Tender are updated, the Supplier shall contact the Administrator of the Tender and request that he or she update the rate per hour of work. As of the time of publication of the Specific Invitation to Tender, the relevant rate in the announcement is NIS 204 (excluding VAT) per hour. Below is an example of how the linking is executed: if the rate of Cyber Protection Implementer at Specialization Level B increases to NIS 220 during the contract, i.e., an increase of 7.84%, the Supplier may, after 12 months have passed from the start of the contract or from the change of the previous rate, and provided that 12 months have passed since then, request an increase in the rate per hour of work to a total of NIS 269.6 (including VAT). This update shall apply to the price bids the winning suppliers send to Buyers from the date of the approval of the rate update and will not apply to price bids forwarded to Buyers or to orders made prior to the date of the rate update.

 18.8.5 In the event that changes are applied to the Computing Services Tender or another central contract is entered into on the matter, and accordingly the definition of the position of “Cyber Protection Implementer” is deleted/amended or the specialization levels are deleted/amended, the Administrator of the Tender may, at his or her sole discretion, choose a different type of position and a different specialization level for the purpose of implementing the updated mechanism.

 **1.8.9 The Service Provider Team**

 1.8.9.1 In addition to the provisions of Section 3.6.2.2.2 of the Tender documents, the Buyer shall be entitled to require the Winner to change an implementation agent at any time and for any reasonable reason, and the Winner shall assign another implementation agent in his or her place for the Buyer within 21 working days.

 1.8.10 **Ordering for another party**

 1.8.10.1 A Buyer may purchase or operate the products and services in accordance with the Tender through another party, provided that the service or products are required for the Buyer’s needs or for another Buyer and not for the direct use of the other party The winning Supplier and the Buyer shall be subject to all the duties and obligations under this Tender, regardless of the identity of the other Buyer.

 1.8.11 **Adding products and services to the list of approved products for purchase**

 1.8.11.1 The list of products approved for procurement in the domain of the Specific Invitation shall be determined by the Administrator of the Tender in consultation with the winning candidate before the Term of the Contract in the Specific Invitation begins. During the Term of the Contract and in accordance with the Buyers’ needs, the Administrator of the Tender shall update the list of products approved for procurement in the domain of the Specific Invitation. The discount rates that were established in the Specific Invitation shall apply to the list of approved items in the domain Specific Invitation to Tender.

 1.8.11.2 Goods and services outside the field of the Specific Invitation

 In addition to the foregoing, the Administrator of the Tender reserves the right, following the Specific Invitation and during the entire procurement period, to add to the contents of the contract products and services that are outside the domain of the Specific Invitation and that are needed for the efficient and optimal use of the items in the domain of the Specific Invitation, among the following categories including:

 **Installations, maintenance, service, and additional training.**

 **Applications and software interfaces.**

 **Hardware for the structured operation of the services that are within the field of the Specific Invitation to Tender.**

 Launching hardware for products that are within the field of the Specific Invitation to Tender.

 The price of the additional item shall be determined in negotiations between the Administrator of the Tender and the Winning Supplier, taking into account the price of the item or service in Israel or overseas, the Manufacturer’s price list, and the price lists of other Manufacturers, while considering the service conditions relevant to the Tender, the nature of the item, and its use.

 The procurement scope of the items added during the term of the contract in negotiations shall not exceed, in the aggregate, 20% of the procurement scope that is carried out by virtue of the Specific Invitation to Tender.

 **1.8.12 Manufacturer training and certification**

 1.8.12.1 To support the process of assimilating products and services by force of this Specific Invitation to Tender, and without derogating from the language in the Tender Document, the winning Suppliers shall provide the Buyer with no fewer than 300 manufacturer certifications for the purpose of management and administration of the products and services that it offers within the framework of this Specific Invitation to Tender. Said certifications and also the training meant to confer said certifications shall be offered at no cost.

 1.8.12.2 The allocation of authorization and training facilities shall be performed with coordination and approval meant for earlier authorizations given at no cost.

 **8.1.13 Implementation bond**

 In accordance with Section 11 of the Contractual Agreement and Section 2.12.3 of the Central Tender documents, the winning candidate shall be required to post an implementation bond in the amount of:

 1.8.12.1 **Implementation bond for the First Winner – NIS 750,000**

 1.8.12.2 **Implementation bond for the Second Winner – NIS 400,000**

 The bond shall be a digital bond in accordance with Section 11.3.2 of the Central Tender documents.

 The bond shall be valid for up to 90 days from the end of the purchasing period or from the end of the last warranty and maintenance period, whichever is later.

**2. Appendix A – General Details of the Specific Invitation to Tender**

**2.1 Specific Invitation to Tender Deadlines**

|  |  |
| --- | --- |
| **Specific Invitation to Tender Phase** | **Deadline** |
| Deadline for submitting clarification questions and remarks | 10.06.2024 |
| Publication of the Administrator of the Tender’s response to clarification questions | At least 12 days before the Bid submission deadline |
| Opening date of the digital tender box for the submission of bids | 19.09.2024 at 9:00 |
| Bid submission deadline | 26.09.2024 at 13:00 |
| Validity of the Specific Invitation to Tender Bid | In accordance with Section 1.5.6 of the Tender documents, 180 days from the final Bid submission deadline |
| Bid submission date (for bids that met the Specific Invitation to Tender requirements) | To be sent by the Administrator of the Tender with a notice period of seven working days in advance |

 2.1.1 These deadlines are for information only and do not constitute confirmation of the integrity of the Bid or participation in the price Bid submission stage.

 2.1.2 A Bidder’s participation in the price Bid submission stage is conditional on the Tender Committee’s notification that the Bid complies with the conditions for participation as stated.

 2.1.3 The validity of the Bid is in accordance with the provisions of Section 1.5.6 of the Tender documents. The Administrator of the Tender may announce an extension of the validity of the Bid for additional periods of up to 180 days (and beyond that with the agreement of the Framework Supplier) until a Winner is selected. The Bidder is not permitted to withdraw its offer during the aforementioned period.

**2.2 Minimum quality score and weightings for scoring:**

2.2.1 The minimum quality score determined for this Specific Invitation to Tender in order to progress to the price offer submission stage is 80% (except for the development center component in Israel).

 2.2.2 The weightings for assigning the quality score are detailed below:

|  |  |  |
| --- | --- | --- |
| Serial No. | Subject | Weight |
| 1 | Evaluation of the proposed product line, the scope of the product line, the capabilities of the products, the flexibility of the solution, the scope of the capabilities of crawling engines, work rate, compliance with standards, system flexibility, and adaptation to various network structures, the scope of the management system, integration capabilities, and adaptation to existing and relevant systems, assessment of the ease and speed of implementation, additional capabilities beyond those required, and so on. | 50% |
| 2 | Manufacturer’s assessment, market status, evaluation of research bodies, reporting and transparency policies, proven experience, support system, interfaces with tangential products, and so on.  | 15% |
| 3 | Assessment of the scope and capacity of the development center in Israel. In the case of the Manufacturer’s commitment to establish such a center in the event of winning the Tender, a partial score shall be given. | 15% |
| 4 | Assessment of the Bidder’s capabilities, experience in the field and similar fields, number of employees in the field, relevant training, and so on. | 20% |

**3. Appendix C – Bidder’s Certification**

We, the authorized signatories on behalf of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (Name of Bidder) hereby confirm with our signatures that:

3.1 We have read the NGFW Specific Invitation to Tender documents, including their appendices.

3.2 Our Bid meets all the requirements of the Tender and the Specific Invitation to Tender, including the technical specifications, terms of sale, delivery times, Specific Invitation to Tender deadlines, and so on.

3.3 We understand and accept each Section of the Specific Invitation Documents and shall be enjoined and silenced against bringing any claim against the terms of the Specific Invitation from the moment the Bid for the Specific Invitation is made.

3.4 The details appearing in this Bid, including its Appendices, are true and the Bidder is able to comply, and intends to comply with every detail in its Bid and with the instructions of the Tender and the Specific Invitation.

3.5 This Bid, and all its details contained herein, have been completed independently by the Bidder without any consultation, arrangement, or contact with another Bidder.

|  |  |  |  |
| --- | --- | --- | --- |
| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| Date | Full Name | Position with Bidder | Signature and Corporate Seal |

|  |  |  |  |
| --- | --- | --- | --- |
| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| Date | Full Name | Position with Bidder | Signature and Corporate Seal |

**(Bidders may sign with an electronic signature, provided that this signature constitutes a guarantee that it was undertaken by the relevant authorized person and that no changes were made to the file following its signing.)**

**4. Appendix 4 – Technical Requirements**

**4.1 Instructions for Responding to this Appendix**

 4.1.1 Compulsory sections:

 4.1.1.1 Sections in which there is an explicit requirement for a feature or capability constitute mandatory Sections. Bids that do not address the requirement specified in a compulsory section shall be disqualified.

 4.1.1.2 Unless otherwise stipulated in a specific Section, the proposed system is required to comply with all the mandatory Sections listed in this Appendix as of the Bid submission deadline in the Specific Invitation to Tender process.

 Specification:

 4.1.2.1 Sections containing a requirement for detail only do not constitute mandatory requirements and the detail requested therein is required for quality assessment.

 The Bidder shall clearly specify the capabilities of the Manufacturer or the proposed solution in the event that these capabilities are supported by the proposed response. It is hereby clarified that failure to respond to a Section of this type shall be construed as a lack of support of the proposed solution for the capabilities specified in the Section.

 In the event that the details specified in the sections in which there is a requirement for detail do not exist in the solution proposed by the Bidder, but there is an expectation that they will be in place by the Bid submission deadline, the Bidder shall provide a schedule.

 4.1.3 It is stated for clarity that all sections specified in Appendix C, both compulsory sections and specification (quality) sections, shall be included in reviewing, evaluating, and scoring the Bids.

 4.1.4 An explicit response is required for each supported feature or capability regarding whether this feature or capability is included in the items offered in the Reference Model or whether an additional purchase or license is required in order to realize them.

 4.1.5 Notwithstanding section 2.3.4 of the Central Tender documents (the Appendix of the Specific Invitation to Tender Instruction Booklet), in the event that the Administrator of the Tender believes that the scope of any supplementary work required in relation to a particular Bid is substantial in terms of the scope of work and the duration of the time required for the purpose of requesting and checking supplementary work, no request for supplementary work will be made.

 4.1.6 It is hereby emphasized that a lack of response, a response that fails to meet the requirement, a lack of response to the requirement, or an unclear and unequivocal response, may result in the Bid receiving a low score or the rejection of the Bid, all in accordance with the sole discretion of the Administrator of the Tender.

 4.1.7 Responses to this Appendix may be submitted in both Hebrew and English.

**4.2 Terms and Requirements Regarding the Manufacturer and the Bidder**

4.2.1 In addition to maintaining an active service hotline by the Bidder as specified in Section 3.13.6.2 of the Central Tender documents, the Manufacturer shall provide a Support Center that will serve as an address for professional inquiries and questions (hereinafter: “the Support Center”), through which a response may be obtained within 24 hours in one or more of the following ways: (a) telephone response, active in ordinary working hours as these are defined in Section 3.10.1 of the Central Tender documents; (b) a portal for opening service requests; and (c) a dedicated electronic mail address for the purpose of this Tender. The Bidder shall provide details of the Manufacturer’s service covenant (SLA), method of making contact, address/telephone number, and how the hotline shall operate. The Administrator of the Tender may set rules regarding how the Support Center may be contacted.

 4.2.2 The Support Center shall provide support in English. A detailed account regarding the ability to offer support in Hebrew is required.

 4.2.3 The Winner shall provide the Manufacturer’s recommendations (Best Practices) for the recommended protection settings that it provides for NGFW based on accepted methodologies, including in relation to how the product should be used in order to achieve an accepted security standard such as ISO-27001 and NIST.

 4.2.4 A list of the international information security standards supported by the Manufacturer and the equipment manufactured by it shall be supplied.

 4.2.5 The Bidder must specify the Manufacturer’s policy regarding transparency and the Manufacturer’s reporting of security problems/breaches discovered in its products in the field that is the subject of the Specific Invitation to Tender, or regarding any breach or other disclosure of information in its products and systems, including the time period for reporting these.

**4.3 Location of Product Development**

4.3.1 The Bidder shall specify the location where the products in the domain of the Specific Invitation are developed and shall attach a manufacturer’s certification accordingly.

 4.3.2 In the event that the Manufacturer undertakes to establish a development center in Israel in the domain of the Specific Invitation, details about this shall be provided and the Manufacturer’s commitment in accordance therewith shall be attached.

**4.4 Details Regarding the Bidder’s Experience with the Proposed Product**

4.4.1 The Bidder shall detail its experience with the proposed product, including the year in which work with the proposed Manufacturer commenced, the Bidder’s certification level with respect to the Manufacturer of the proposed system, and any other relevant information.

 4.4.2 It is a requirement that, in the last five years, the Bidder has implemented at least five FW projects on behalf of the manufacturer proposed by it in the Specific Invitation to Tender. Details about the project, the name of the client, and the financial scope are required.

 4.4.3 It is a requirement that the Bidder hire at least five qualified implementation agents on behalf of the Manufacturer.

 4.4.4 In accordance with the foregoing, the details of all implementation personnel who hold the Manufacturer’s certification for the products and services proposed in the Specific Invitation to Tender shall be specified according to the following format:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| No. | Employee Name | Years of Experience in the Special Invitation Field | Certification for the Proposed Products | Year Certification Acquired | Security Clearance, if Any |
| 1 |  |  |  |  |  |
| 2 |  |  |  |  |  |
| 3 |  |  |  |  |  |
| 4 |  |  |  |  |  |
| 5 |  |  |  |  |  |

 4.4.5 Details are required regarding the capabilities of the Bidder in the areas of implementation, planning, and the migration and implementation processes of the system proposed by it.

 4.4.6 Details are required regarding the migration capacities of competitor products. Details are required regarding the existence and capabilities of migration tools, and technology and licensing needs.

 4.4.7 The Bidder shall provide details regarding how it supports the below-listed services:

 4.4.7.1 The provision of security advice to customers – the nature of the services offered must be specified.

 4.4.7.2 The provision of assistance on a Buyer’s website – the assistance and escalation processes must be detailed.

 4.4.7.3 The provision of professional training to a client’s personnel, including training and formal certifications by parties certified by the Manufacturer. The types of courses and certifications provided by both the Bidder and the Manufacturer must be specified.

**4.5 Requirements of the System/Products**

 4.5.1 For the purposes of this Section, the term Next Generation Firewall (NGFW) products shall mean all the technologies used to secure traffic and networks at various layers and varying traffic volumes, while incorporating advanced features for scanning, filtering, detection, and breach prevention.

 4.5.2 The system and the licenses proposed in the Reference Model shall include all the requirements detailed in this Appendix, without additional payment, including interfacing capabilities to the third-party products required in the Specific Invitation to Tender documents.

 4.5.3 The Bidder’s Bid shall include all the components necessary to meet the requirements of the Central Tender and Specific Invitation to Tender documents, the specifications, and the Reference Model. The Bidder, in its Bid for the Specific Invitation to Tender, hereby undertakes that all the products and services offered by it in the Specific Invitation to Tender are in ongoing production and that neither it nor the Manufacturer is in possession of any information or concern that the sale, production, supply, or support of the products and services (or components or items used therein) proposed by it, shall cease.

 4.5.4 It must be verified that the Bidder’s Bid for each of the components required in the Reference Model includes all the licensing required to operate and use the system.

 4.5.5 A clear and comprehensible licensing specification shall be attached to each proposed component according to the Reference Model, and the licensing model (Perpetual, Subscription, and so on) must be specified.

 4.5.6 The Manufacturer’s Best Practices document regarding the management and optimization of the licenses and their operation shall be attached.

**4.6 An itemization of the Required Products Follows:**

4.6.1 The Bidder shall list the product’s capabilities in the tables below in relation to each of the required parameters. Instructions regarding how to enter the characteristics of the proposed products into tables are provided below:

 4.6.1.1 The capabilities of the proposed products must be entered according to the requirements specified in the Specific Invitation to Tenderdocument. In any event, the data presented in this Specific Invitation to Tender shall not go beyond the capabilities declared in the Manufacturer’s official public specifications (**Datasheet**, **Specification** **Sheet, Comparison Chart**). It will be possible to enter other data only in cases where the Manufacturer does not have a public specification of capabilities in relation to a specific mandatory parameter and has received prior written authorization for this from the Administrator of the Tender, who shall examine the matter and make a decision at his or her sole discretion. In these cases, official references by the Manufacturer must be attached to the declared capabilities. In any event, do not enter data that differs from, or contradicts, data published by the Manufacturer publicly.

 4.6.1.2 For each proposed component in the table, there is a minimum requirement for interfaces with a minimum required total bandwidth.

 4.6.1.3 The total bandwidth shall consist of the amount and type of specific inputs required for part of the bandwidth, where supplementation of the minimum required bandwidth will be possible in any combination of interface components from the following types of communication interfaces:

**1 GbE** Copper – Copper

**1 GbE** SFP – Optical

**10 GbE SFP** – Optical

**40 GbE SFP** – Optical

 4.6.1.4 For each proposed component, it must be specified which interfaces can be converted to more advanced interfaces.

 4.6.2 **Management interfaces**

 4.6.2.1 Details are required for each component in the table regarding the amount and type of management interfaces.

 4.6.2.2 Implementations

 4.6.2.2.1 **For the purposes of this Section, the calculation of the traffic volume shall be carried out while activating all required engines simultaneously and at the minimum traffic rate, at least, as is required for each of the components. It is hereby clarified that a response calculated on the basis of traffic under ideal conditions does not meet the requirement of the Specific Invitation to Tender.**

 4.6.2.2.2 Threat Prevention / Protection—Traffic volume shall be calculated as all engines that the Manufacturer activates in each component are activated for the purpose of evaluating content and traffic in 4–7 layers including URL, FEW, IPS, App control, filtering, and so on.

 4.6.2.2.3 NGFW—Traffic volume shall be calculated as the following engines, at the very least, are activated for the purpose of evaluating content and traffic: FW, IPS, and App Control.

 4.6.2.2.4 Traffic **volume** shall be calculated **on the basis of UDP traffic at the very least.**

 4.6.2.2.5 SSL/TLS Inspection—Traffic volume shall be calculated based on HTTPS packets at the very least.

 4.6.2.2.6 **Application Control**—Traffic volume shall be calculated on the basis of **HTTP packets** at the very least.

 4.6.2.2.7 **IPS**—Traffic volume shall be calculated on the basis of **HTTP packets** at the very least.

 4.6.2.2.8 **VPN IPSEC—Shall be calculated, at the very least,** on the basis of the number of tunnels supported while **AES256** is used.

 4.6.2.2.9 A minimum traffic volume (Mbps, Gbps, Tbps) shall be specified for every component in the table,

 4.6.2.2.10 **Details regarding public data about the performance of the machines are needed; these data shall be fed into the table accordingly.**

 4.6.2.3 Connections / Sessions—The number of connections/sessions generally supported and new connections/sessions per hour shall be noted in accordance with the number of engines, capabilities, and workload of the system as measurement is conducted.

 4.6.2.4 Regarding the components specified above, the Bidder shall specify the method of calculating traffic volume/number of connections supported, and traffic configuration relative to each of the requirements specified above (including packet types, packet sizes, types of traffic, applications activated, number of tunnels, type of encryption, and so on) and number and types of engines activated, number and types of rules invoked, and any other relevant component. The way traffic volume is calculated shall be specified in a detailed manner that shall make it possible to reconstruct the data in lab vetting, insofar as this shall be required per the demand of the Administrator of the Tender.

 4.6.2.5 A response to the requirements of the Specific Invitation to Tender shall not make note of data relating to a given component that surpasses the abilities and data published by the Manufacturer in the official public specification (even if said publicly advertised data includes more components or greater capabilities than are stipulated in the foregoing requirements).

 **4.6.3 List of priced components:**

 4.6.3.1 Component A – A small hardware **NGFW** product

| **Subject** | **Minimum Requirements (required)** | **Bidder’s Response** | **Remarks** |
| --- | --- | --- | --- |
| Product model |  |  | All products supplied, including the management system and system survivability, must be detailed. |
| Configuration | 1U \ Desktop |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
| Network management interfaces | 1 |  | A regular management interface with a security solution may be proposed; the interface must not be included in the number of interfaces required for the component. Details regarding the number and type of management interfaces are required. |
|  |  |  |  |
| Storage Drive 64 GBThreat prevention/throughput protection (full blades) | 500 Mbps |  | Note the require-ments in Section 4.6.2 above. If no specific parameter corresponds to the requirements of this component in the Manufacturer’s official specifications, as stated in Section 4.6.1.1 above, fill in the data in accordance with the relevant section in the manufacturer’s official specifications that includes, at the very least, all capabilities required in the supported section that are no less than the specified minimum requirement. |
| Firewall throughput (UDP) | 5 Gbps |  | Note the require-ments in Section 4.6.2 above. If no specific parameter corresponds to the requirements of this component in Manufacturer’s official specifications, as stated in Section 4.6.1.1 above, fill in the data in accordance with the relevant section in Manufacturer’s official specifications that includes, at the very least, all capabilities required in this section, not including uncontrolled internal traffic. Supported throughput shall be no less than the specified minimum requirement. |
| NGFW app | 1 Gbp |  | Note the require-ments in Section 4.6.2 above. If no specific parameter corresponds to the requirements of this component in the Manufacturer’s official specifications, as stated in Section 4.6.1.1 above, fill in the data in accordance with the relevant section in Manufacturer’s official specifications that includes, at the very least, all capabilities required in this section. |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
| Power Supply Single VLANs |  |  | Detail is required regarding the number of VLANs supported. |
| Interfaces | X 1GE Copper / 6SFP |  | Details as to the number and type of interfaces offered in a configuration in order to meet bandwidth requirements are needed. |
| Power Supply  | Single  |  |  |
| Number of SSL licenses included |  |  |  |
| VPN users of component for proposed SSL VPN user200Detail is needed as to the number of licenses supported. Maximum concurrent connections/sessions | 300,000 |  | The number of maximum concurrent connections shall be no fewer than the minimum scale noted. |
| New connections/sessions per second | 20,000 |  | The number of new connections/sessions per second shall be no fewer than the minimum noted. |
| FW Latency (μs) | - |  | Details regarding the maximum latency are required. |
| Other capabilities | - |  | If any, please specify. |

 4.6.3.2 Component B – Small management system

| **Subject** | **Minimum Requirements****(minimum requirements** | **Bidder’s Response** | **Remarks** |
| --- | --- | --- | --- |
| Product model |  |  | A list of supported system installation platforms is required. |
| Number of NGFW components managed | 5 |  | Support for managed devices is required at the minimum scope indicated in the table without limitations on the sizes and types of FW components managed. |

 4.6.3.3 Component C – medium **NGFW** hardware product

| **Subject** | **Minimum Requirements** | **Bidder’s Response** | **Remarks** |
| --- | --- | --- | --- |
| Product model |  |  | Details regarding all products supplied, including management system and system survivability, are required. |
| Configuration size | 1U / Desktop |  |  |
| Network memory management interfaces | 1 |  | Regular interface for management with security solution may be offered; do not include this interface in the count of interfaces required per component. Details as to the number and type of management interfaces are needed. |
|  |  |  |  |
| Storage drive | 64 GB  |  |  |
| Threat prevention/throughput protection | 2 Gbps |  | Note the require-ments in Section 4.6.2 above. If no specific parameter corresponds to the requirements of this component in the Manufacturer’s official specifications, as stated in Section 4.6.1.1 above, fill in the data in accordance with the relevant section in Manufacturer’s official specifications that includes, at the very least, all capabilities required in this section. |
| Firewall throughput (UDP) | 10 Gbps |  | Note the require-ments in Section 4.6.2 above. If no specific parameter corresponds to the requirements of this component in the Manufacturer’s official specifications, as stated in Section 4.6.1.1 above, fill in the data in accordance with the relevant section in Manufacturer’s official specifications that includes, at the very least, all capabilities required in this section. |
| NGFW throughput | 3Gbps |  | Note the require-ments in Section 4.6.2 above. If no specific parameter corresponds to the requirements of this component in the Manufacturer’s official specifications, as stated in Section 4.6.1.1 above, fill in the data in accordance with the relevant section in Manufacturer’s official specifications that includes, at the very least, all capabilities required in this section. |
| VLANs | - |  | Details regarding the maximum number of VLANs supported are required. |
| Interfaces | 24 x 10 GbE-Copper/SFP10 X GE RJ452 X GE SFP |  | Details are required regarding the number and type of interfaces proposed in the configuration in order to meet total bandwidth requirements. |
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| Power supply | Dual |  |  |
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| Number of licenses included in component for SSL VPN user |  |  | Detail regarding the number of licenses supported is needed.  |
| Maximum concurrent connections/sessions | 1,000,000 |  | The number of maximum concurrent connections shall not be less than the minimum noted. |
| New connections/sessions per second | 70,000 [??] |  | The number of new sessions/connections per second shall not be less than the minimum noted. |
|  |  |  |  |
| FW Latency (μs) | - |  | Details regarding maximal latency are required. |
| Other capabilities | - |  | If any, please provide details. |

 4.6.3.4 Component D – Medium management system

| **Subject** | **Minimum Requirements** | **Bidder’s Response** | **Remarks** |
| --- | --- | --- | --- |
| Product model |  |  | A detailed list of supported system installation platforms is required. |
| Number of NGFW components managed | 20 |  | Support for managed devices is required at the minimum scope indicated in the table without limitations on the sizes and types of FW components managed. |

 4.6.3.5 Component E – large **NGFW** hardware product

| **Subject** | **Minimum Requirements****(required)** | **Bidder’s Response** | **Remarks** |
| --- | --- | --- | --- |
| Product model | - |  | All products supplied, including the management system and system survivability, must be detailed. |
| Configuration size | 1U / Desktop |  |  |
| Network memory management interfaces | 1 |  | A regular management interface with a security solution may be proposed; the interface must not be included in the number of interfaces required for the component. Details regarding the number and type of management interfaces are required. |
| Storage drive | 240 GB |  |  |
| Threat prevention/throughput protection | 20 Gbps |  | Note the require-ments in Section 4.6.2 above. If no specific parameter corresponds to the requirements of this component in the Manufacturer’s official specifications, as stated in Section 4.6.1.1 above, fill in the data in accordance with the relevant section in Manufacturer’s official specifications that includes, at the very least, all capabilities required in this section. |
| Firewall throughput (UDP) | 80 Gbps |  | Note the require-ments in Section 4.6.2 above. If no specific parameter corresponds to the requirements of this component in the Manufacturer’s official specifications, as stated in Section 4.6.1.1 above, fill in the data in accordance with the relevant section in Manufacturer’s official specifications that includes, at the very least, all capabilities required in this section. |
| NGFW throughput | 25 Gbps |  | Note the require-ments in Section 4.6.2 above. If no specific parameter corresponds to the requirements of this component in the Manufacturer’s official specifications, as stated in Section 4.6.1.1 above, fill in the data in accordance with the relevant section in Manufacturer’s official specifications that includes, at the very least, all capabilities required in this section. |
| VLANs | - |  | Details regarding the maximum number of supported VLANs are required. |
| Interfaces | Copper / SFP24 X 100 GbE Copper / SFP12 X 10GE SFP |  | Details are required regarding the number and type of interfaces proposed in the configuration in order to meet total bandwidth requirements. |
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| Power supply | Dual |  |  |
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| Number of SSL VPN user licenses included for SSL VNP users |  |  | The number of licenses needs detail. |
| Maximum concurrent connections/sessions | 15,000,000  |  | The number of maximum concurrent connections shall be no fewer than the minimum noted. |
| New connections/sessions per second | 350,000 |  | The number of new connections/sessions per second will be no fewer than the minimum noted. |
|  |  |  |  |
| FW Latency (μs) | - |  | Details regarding maximum latency are required. |
| Other capabilities | - |  | If any, please provide details. |

 4.6.3.6 Component F – large management system

| **Subject** | **Minimum Requirements****(required)** | **Bidder’s Response** | **Remarks** |
| --- | --- | --- | --- |
| Product model |  |  | A list of supported system installation platforms is required. |
| Number of NGFW components managed  | * 50
 |  | Support for managed devices is required at the minimum scope indicated in the table without limitations on the sizes and types of managed FW components. |

 4.6.3.7 – Component G – extremely large **NGFW** product

| **Subject** | **Minimum Requirements (required)** | **Bidder’s Response** | **Remarks** |
| --- | --- | --- | --- |
| Product model | - |  | All products supplied, including the management system and system survivability, must be detailed. |
| Configuration size | 1U /Desktop |  |  |
| Network memory management interfaces | 1 |  | Regular interface for management with security solution may be offered; do not include this interface in the count of interfaces required per component. Details as to the number and type of management interfaces are needed. |
| Storage drive | 480 GB  |  |  |
| Threat prevention/throughput protection | 60 Gbps |  | Note the require-ments in Section 4.6.2 above. If no specific parameter corresponds to the requirements of this component in the Manufacturer’s official specifications, as stated in Section 4.6.1.1 above, fill in the data in accordance with the relevant section in Manufacturer’s official specifications that includes, at the very least, all capabilities required in this section. |
| Firewall throughput (UDP) | 200 Gbps |  | Note the require-ments in Section 4.6.2 above. If no specific parameter corresponds to the requirements of this component in the Manufacturer’s official specifications, as stated in Section 4.6.1.1 above, fill in the data in accordance with the relevant section in Manufacturer’s official specifications that includes, at the very least, all capabilities required in this section. |
| NGFW throughput | 90 Gbps |  | Note the require-ments in Section 4.6.2 above. If no specific parameter corresponds to the requirements of this component in the Manufacturer’s official specifications, as stated in Section 4.6.1.1 above, fill in the data in accordance with the relevant section in Manufacturer’s official specifications that includes, at the very least, all capabilities required in this section. |
| VLANs | - |  | Details regarding the maximum number of VLANs supported are required. |
| Interfaces | 4 x 100/40 GbE-Copper / SFP4 X 10/25GE SFP2812 X 1040 GE SFP+ |  | Details are required regarding the number and type of interfaces proposed in the configuration in order to meet total bandwidth requirements. |
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| Power supply | Dual- |  |  |
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| Number of SSL VPN user licenses included in component for SSL VPN user |  |  | Detail regarding the number of licenses is needed. |
| Maximum concurrent connections/sessions | 50,000,000 |  | The maximum number of concurrent connections/sessions shall not be less than the minimum noted. |
| New connections/sessions per second | 1,000,000 |  | The number of new sessions/connections per second shall not be less than the minimum noted. |
| FW Latency (μs) | - |  | Details regarding the maximum latency are required. |
| Other capabilities | - |  | If any, please specify. |

4.6.3.8 Component H – extremely large management system

| **Subject** | **Minimum Requirements (required)** | **Bidder’s Response** | **Remarks** |
| --- | --- | --- | --- |
| Product model |  |  | A list of supported system installation platforms is required. |
| Number of NGFW components managed  | * 100
 |  | Support for managed devices is required at the minimum scope indicated in the table without limitations on the sizes and types of managed FW components. |

 4.6.3.9 Component I – **NGFW** product – license for **VMWare NSX** environment

| **Subject** | **Minimum Requirements** | **Bidder’s Response** | **Remarks** |
| --- | --- | --- | --- |
| Product model | 8 vCPU |  | This product is required to support VMWare NSX technology.Details are required regarding supported network cards and the number of supported servers based on the size of the NSX component. |

**4.7 Technological requirements**

 4.7.1 **Platforms**

 4.7.1.1 The **NGFW** components indicated as components A, C, E, and G in the tables above are required to be based on the Manufacturer’s hardware. All the components proposed in the Specific Invitation to Tender are required to be installed in a local environment (On-Premise, private cloud, and so on). Details are required regarding how to support virtual environments for installing the proposed components.

 4.7.1.2 Details are required regarding additional **NGFW** products by the proposed Manufacturer that support high bandwidths or different work configurations.

 4.7.1.3 Details are required of tangential services to the **NGFW** systems offered by the proposed Manufacturer.

 4.7.1.4 Details are required regarding cloud services and additional deployment configurations offered by the proposed **Manufacturer**.

 4.7.1.5 Capabilities are required for topology display for all connected devices.

 4.7.1.6 Scanning capabilities are required based on **Best Practices** to find potential vulnerabilities and possible mitigations for network components.

 4.7.1.7 Details are required regarding FW support of virtual components such as VDOM / Context / VSX / Virtual System.

 4.7.1.8 Details are required regarding built-in automation capabilities that combine an event trigger with one or more of the following examples:

 Trigger: configuration change, system state, switch to backup in case of **HA** failure, attempt to change the event log.

 Response: CLI script, email, **iOS** app notifications, public cloud functions, Slack, and **webhook** notifications.

 4.7.1.9 Details are required regarding the proposed system’s ability to present an interface supply with external services by means of the graphic interface (GUI) of the proposed system, including:

 4.7.1.9.1 Interface with platforms of public cloud providers such as **AWS** **GCP**, and so on.

 4.7.9.1.2 **SDN** platforms

 4.7.9.1.3 **Identity services** – **Active Directory, RADIUS NAC** system, endpoint management system, and **Microsoft Exchange**.

 4.7.1.9.4 External threat feeds – **URL** list, **IP** list, domain name list, and **hash** code of malware files.

 4.7.2 **Operating system and backup**

 4.7.2.1 The operating system of the proposed system **must support** the following capabilities:

 4.7.2.1.1 Boot. Details are required regarding the ability to switch between two versions of the operating system and the ability to add comments for each version.

 4.7.2.1.2 Upgrade. The system must provide support for performing an upgrade via a user interface or TFTP.

 4.7.2.1.3 Backup and restoration. The system must support backup and restoration of configuration and logs via graphical user interface (GUI) and CLI to and from the local computer, remote central management, or USB disk.

 4.7.2.1.4 The CLI configuration file must be readable by Windows Notepad.

 4.7.2.1.5 Details are required regarding the ability to encrypt backup files.

 4.7.3 **Third-party interfaces**

 4.7.3.1 **The ability to integrate with external security components is required in order to enable the identification, monitoring, and blocking of cyber-attacks.**

 4.7.4 **Networking capabilities**

 4.7.4.1 **Support is required for working in the following configurations**:

 4.7.4.1.1 NAT

 4.7.4.1.2 Route

 4.7.4.1.3 Bridge

 4.7.4.2 Details are required regarding the ability to operate as a Reverse Proxy.

 4.7.4.3 The proposed system is required to have the ability to scan traffic between virtual machines (East-West) and support the FW product for the NSX environment (component H).

 4.7.4.4 The proposed system is required to support the IEEE 802.3 as a standard for physical link aggregation.

 4.7.4.5 The proposed system is required to be able to send out GARP messages whenever the MAC address of an aggregate interface changes to a new Pool IP (as a result of link failure or port change).

 4.7.4.6 System administrators are required to be able to configure the 4IPv service and the IPv6 DHCP service on the system interface. The interface shall automatically broadcast DHCP requests and accordingly assign an IP address, DNS server addresses, and the default gateway address to Clients.

 4.7.4.7 System administrators are required to be able to configure an interface as a DHCP Relay.

 4.7.4.8 System administrators are required to be able to adjust the maximum transmission unit (MTU) of the packets that the proposed system transmits to improve network performance.

 4.7.4.9 The ability to combine two or more physical interfaces to provide redundancy is required.

 4.7.4.10 The ability to configure secondary IP addresses for the interface is required.

 4.7.4.11 System administrators are required to be able to group both physical and virtual interfaces into Zones.

 4.7.4.12 The proposed system is required to support different **DNS** settings including:

 4.7.4.12.1 The capability of setting the number of DNS entries that can be cached.

 4.7.4.12.2 The capability of setting the length of time that values remain in the cache.

 4.7.4.12.3 The capability of setting a dedicated IP address for communication with the DNS servers.

 4.7.4.12.4 The capability to use a dynamic DNS service (DDNS) is required.

 4.7.4.12.5 Details regarding the capability to run local DNS servers are required.

 4.7.4.13 The proposed system is required to support static routing with various advanced features:

 4.7.4.13.1 Support for 4IPv and IPv6 routes

 4.7.4.13.2 Support for Anti-Spoofing – Reverse Path Lookup capability.

 4.7.4.14 Support is required for **IPv4** policy routing by setting:

 4.7.4.14.1 Protocol type, including SCTP.

 4.7.4.14.2 Interfaces (Incoming and Outgoing).

 4.7.4.14.3 Source and destination IP addresses/subnets.

 4.7.4.14.4 Source and destination address/address group object.

 4.7.4.14.5 Type of Service (ToS).

 4.7.4.15 The proposed system is required to support RIP version 1 (RFC 1058), RIP version 2 (RFC 2453), and IPv6 version RIPng (RFC 1980) protocols.

 4.7.4.16 The proposed system is required to support the default information source option for the RIP configuration.

 4.7.4.17 The proposed system is required to support the Open Shortest Path First (OSPF), OSPFv2, and OSPFv3 routing protocols.

 4.7.4.18 The proposed system is required to support the BGP4 (IPv4) and BGP4+ (IPv6) routing protocols.

 4.7.4.19 Details are required regarding the support for Intermediate System to Intermediate System Protocol (IS-IS) for both IPv4 and IPv6.

 4.7.4.20 Details are required regarding support of the proposed system for **SD-WAN**.

 4.7.4.21 The proposed system is required to support the ability to connect a cellular modem.

 4.7.5 **Survivability**

 4.7.5.1 The proposed system is required to permit work in the following **Cluster** configurations:

 4.7.5.2 **Active – Passive**. Details are required regarding the ability to work in the **Active–Active** configuration.

 4.1.5.3 The proposed system is required to support High Availability (**HA).** Details regarding support of VRRP Protocol in accordance with the specifics below are needed:

 4.7.5.3.1 Primary backup VRRP device.

 4.7.5.3.2 Integration into a VRRP group that includes third-party VRRP devices.

 4.7.5.3.3 IPv4 and IPv6 VRRP support.

 4.7.5.3.4 Details regarding support of additional protocols are needed.

4.7.5.4 The proposed system is required to support high availability in the establishment of a Cluster with the following characteristics at the very least:

 4.7.5.4.1 Four Cluster members, with support of assimilation of components in different physical locations.

 4.7.5.4.2 The ability to ensure that all the **Cluster** components communicate with each other via the **Heartbeat** interfaces.

 4.7.5.4.3 The ability to switch to backup when a device fails in the event of a hardware or software failure.

 4.7.5.4.4 The ability to switch to the backup component in the event of a link failure.

 4.7.5.4.5 Support of the option to automatically return to the main component, **Recovery** in favor of **Fail Back**.

 4.7.5.4.6 **Out-of-Band** management for each component in the **Cluster** independently.

 4.7.5.4.7 Support for the upgrading of the firmware without interrupting the **Cluster** communication,

 **4.7.6 Details regarding the capabilities of the system engines are needed:**

 4.7.6.1 Firewall capabilities.

 4.7.6.1.1 Applied analysis.

 4.7.6.1.2 Levels 2–7 analysis based on the ISI model is required.

 4.7.6.1.3 Content-based recognition capability is required. Details regarding the types of content supported are needed.

 4.7.6.1.4 Traffic detection at a specific user level is required, including the ability to interface with Active Directory and LDAP servers.

 4.7.6.1.5 The ability to secure IPv6 and 4IPv traffic is required.

 4.7.6.1.6 Details are required regarding capabilities against DDOS attacks.

 4.7.6.1.7 Details are required regarding the ability to block a domain by name at the DNS query level.

 4.7.6.1.8 The ability to analyze SSL communication while creating separate tunnels for the user and the target server (MITM) is required.

 4.7.6.2 **Application Control** **Engine Capabilities**

 4.7.6.2.1 App Control’s ability to secure the use of secure applications in the organization is required.

 4.7.6.2.2 The proposed system is required to support the ability to limit bandwidths in a cross-section of applications.

 4.7.6.2.3 Details are required regarding the ability to filter applications based on various parameters such as categories, user groups, and so on.

 4.7.6.2.4 Details are required regarding intra-application filtering and for example filtering video content, chat, and so on.

 4.7.6.2.5 Details are required regarding the sources of updating the applied filter engines.

 4.7.6.2.6 The proposed system is required to support QoS and Traffic Shaping capabilities based on classification, category, and protocols.

 4.7.6.2.7 Details are required regarding the ability to define new applications that are not found in the Manufacturer’s application database, without the consent of the Bidder and/or the Manufacturer.

 4.7.6.2.8 Details are required regarding support for the ability to track user actions.

 4.7.6.3 Anomalous detection capabilities and scanning capabilities are required based on the following:

 4.7.6.3.1 Signatures.

 4.7.6.3.2 Regular expressions.

 4.7.6.3.3 Reputation-based.

 4.7.6.3.4 The ability to update signatures is required.

 4.7.6.3.5 Details are required regarding additional capabilities of the anomaly detection component.

 4.7.7 **Virtual Private Network Capabilities**

 4.7.7.1 The abilityto create encrypted communication for the proposed productsis required.

 4.7.7.2 Client-to-Site capability is required.

 4.7.7.3 Support is required for the following capabilities:

 4.7.7.3.1 Site-to-site.

 4.7.7.3.2 SSL.

 4.7.7.3.3 IPSEC.

 4.7.7.4 Details are required regarding supported Authentication algorithms.

 4.7.7.5 Details are required regarding key change algorithms.

 4.7.7.6 The ability to filter websites (URL filtering) is required.

 4.7.7.7 The ability to filter malware is required. Details are required regarding Anti-Malware Intrusion / Prevention / Detection.

 4.7.7.8 Details are required regarding the number of cataloged links.

 4.7.7.9 Details are required regarding browsing category filtering capabilities.

 4.7.7.10 Details are required regarding the update of sources of the web filtering engines.

 4.7.7.11 The ability to prioritize enterprise applications over unwanted applications is required.

 4.7.8 **Mail filtering capabilities**

 4.7.8.1 Support is required for spam detection and blocking. Details are required in regard to filtering by the following criteria:

 4.7.8.1.1 Content.

 4.7.8.1.2 IP addresses.

 4.7.8.1.3 URL.

 4.7.8.2 **Details about** **supported email protocols are required**:

 4.7.8.2.1 IMAP

 4.7.8.2.2 POP3

 4.7.8.2.3 SMPT

 4.7.8.2.4 Details are required regarding additional supported protocols.

 4.7.9 **Anti-Malware capabilities**

 4.7.9.1 Malicious file-based traffic scanning capabilities are required for each component in the Specific Invitation to Tender. Details are required regarding implementation methods.

 4.7.9.2 Details are required for each component in the Specific Invitation to Tender regarding supported protocols for extracting files and running **AV** on them.

 4.7.9.3 Details are required regarding supported traffic volumes in the **AV** operation for each component in the Specific Invitation to Tender.

 4.7.9.4 Details are required regarding automatic update capabilities against known vulnerabilities that may be discovered from time to time in communications and corporate information systems, spyware, and other threats.

 4.7.9.5 Details are required regarding support for advanced detection engines with the ability to prevent new and developing threats from entering the network.

 4.7.9.6 Details are required regarding **ATP** capabilities and heuristic scan engines.

 4.7.9.7 Details are required regarding **Cloud/On-Premise Sandbox** capabilities.

 4.7.9.8 Support is required for **Traffic Shaping** and **QoS**.

 4.7.9.9 Details are required regarding **QoS** techniques, traffic management, and prioritization.

 4.7.9.10 Details are required regarding additional capabilities and engines in each **Visibility** and Monitoring component.

 4.1.10 It is required that the proposed system provide a graphical user interface (GUI) and dashboards that include:

 4.7.10.1 The use of local disk data and cloud-hosted services.

 4.7.10.2 Real-time data and historical data to display information in both text and visual format.

 4.7.10.3 Visual presentation of information through graphs, charts, and maps.

 4.7.10.4 A filtering option is required (using a specific time range, by user ID or local **IP** address, by application, and so on).

 4.7.10.5 The display of a specified number of main data (**Top N**) that can be customized on the **Dashboard** is required.

 4.7.10.6 Details are required regarding the possibility of a single-click option for transferring a Host to Quarantine based on selected data.

 4.7.10.7 Details are required regarding the ability of the proposed system to provide monitoring capabilities through the graphical user interface (GUI), including:

 4.7.10.7.1 Static, dynamic, and policy-independent routing.

 4.7.10.7.2 DCHP service status.

 4.7.10.7.3 SD-WAN link status and usage.

 4.7.10.7.4 IPsec and SSL VPN session status.

 4.7.10.7.5 User internet browsing status.

 4.7.10.7.6 Wireless communication link status.

 4.7.10.7.7 Central management.

 4.7.10.8 The local administration service at the client’s site shall provide support for the option to work in conjunction with each of the following configurations simultaneously:

 **4.7.10.8.1 The Manufacturer’s cloud on the internet – details must be provided regarding the capabilities of the system.**

 **4.7.10.8.2 Local configuration – details must be provided regarding the capabilities of the system.**

 **4.7.10.8.3 The management system is required to support the installation in a physical configuration.**

 4.7.11 **Management capabilities**

 4.7.11.1 Support is required for the following system management capabilities:

 4.7.11.1.1 A graphical user interface accessible to HTTP protocol via the original port or via another port is required. For example, access to management via Port TCP 8080.

 4.7.11.1.2 Support is required for terminal access to CLI, SSHv2, and Telnet.

 4.7.11.1.3 It is required that the proposed system permit HTTP access management to be redirected to HTTPS.

 4.7.11.1.4 It is required that the proposed system enforce a default system administrator password on initial entry or following a reset to the Manufacturer’s settings.

 4.7.11.2 It is required that the proposed system implement enforcement of a local system administrator password policy, including:

 4.7.11.2.1 Minimum length.

 4.7.11.2.2 Uppercase letters, lowercase letters, numbers, and special characters.

 4.7.11.2.3 Cancelling the option of reusing passwords.

 4.7.11.2.4 Password expiration.

 4.7.11.3 It is required that system administrator verification will be possible via a local database, PKI, and remote services such as RADIUS, LDAP, and TACACS.

 4.7.11.4 It is required that the proposed system will support account management based on user profile; for example, it will permit access to policy settings or system logs.

 4.7.11.5 It is required that the proposed system permit remote management access. Details are required regarding:

 4.7.11.5.1 From a specific reliable network or dedicated admin account.

 4.7.11.5.2 To dedicated (virtual) interfaces.

4.7.11.5.3 It is required that the proposed system will permit managers to determine the idle time to terminate a session.

 4.7.11.6 It is required that the management system include inherent management, control, and access capabilities.

 4.7.11.7 It is required that the management interface be browser-based (visual display).

 4.7.11.8 Management capability is required at least using **CLI** or **XML**-based **API** (details are required regarding the types of **API**).

 4.7.11.9 **SNMP** **V3** that includes **Events** Transfer capabilities. Details are required regarding captured events using an **SNMP** link.

 4.7.11.10 Details are required regarding a central management system for all the components and capabilities proposed in the Specific Invitation to Tender. Details are required regarding the management capability of other components of the proposed Manufacturer.

 4.7.11.11 Details are required regarding setting application security (**App Control**).

 4.7.11.12 Details are required regarding **URL Filtering** and **IPS** settings via the central management system.

 4.7.11.13 Details are required regarding the data defining the nature of the traffic specifications for the different security engines.

 4.7.11.14 Details are required regarding policy settings.

 4.7.11.15 Details are required regarding setting rules according to user groups.

 4.7.11.16 Details are required regarding the structured backup and restoration of configurations and rules in the system.

 4.7.11.17 Details are required regarding the display of detailed logs and the generation of reports regarding the state of the system components.

 4.7.11.18 The ability to publish event logs using the **SMTP** protocol is required.

 4.7.11.19 Details are required for capabilities and log storage times in the system or in its interfaces.

 4.7.11.20 The ability for a visual display of the system status is required – details are required regarding the proposed capabilities.

 4.7.11.21 Updating the system and engines:

 4.7.11.21.1 Details are required regarding how to install system updates (**Online** and **Offline**).

 4.7.11.21.2 Details are required regarding the ability to perform updates from the **Repository** – the local Repository.

 4.7.11.22 Details are required regarding a manual interface for components in order to remove logs from local storage.

 4.7.11.23 The ability to automatically export logs in **Syslog** format is required.

 4.7.11.24 Details are required regarding the ability to interface with leading **SIEM** systems such as **Qadir**, **ArcSight,** **Splunk, Google Chronicle,** and the like.

 4.7.11.25 Details are required of existing protocols such as **ICAP**, **OPSEC**, **DXL,** and parallel protocols.

 4.7.11.26 Details are required regarding interfaces for rules analysis products that support the proposed components (such as **Algosec**, **Skybox,** or any other similar product).

 4.7.11.27 Details are required regarding interfacing for **Cyber** **Threat** **Intelligence** **feeds** sources/services. Details should be provided for supported protocols, for example: **STIX**/**TAXII**, **DXL**, **OpenIOC**.

 4.7.11.28 Details are required regarding identification capabilities based on **Single Sign-On (SSO).**

 4.7.11.29 Support is required for verifying users and groups against a **Central** **Repository** such as **Active Directory**.

 4.7.12 The proposed system shall have the ability to connect different security solutions. Support of the proposed system shall have the following capabilities at the very least:

 4.7.12.1 A physical topology that shows all connected devices, and a topology display that shows information about the interfaces to which the devices are connected.

 4.7.12.2 Security Best Practices that examine various security components in the network to identify potential vulnerabilities and suggest configuration improvements.

 4.7.12.3 A built-in automation feature that combines an event trigger with one or more actions to monitor the network and to perform designated actions whenever a threat or state change is detected.

 4.7.12.4 Monitor human factor actions capabilities: configuration state, system state, switch to backup in the event of **HA** failure, event log handler, incoming **webhook**, and scheduler.

 4.7.12.5 Action tracking: **Cli** script, email, **iOS** app notifications, public cloud functions, Slack notifications, and **webhook**.

 4.7.12.6 The proposed system shall permit **GUI** configurations for external services. Details are required regarding supported external services.

 4.7.12.7 The system shall support external threat feeds and, among other things, a list of URLs, an IP list, a list of domain names, and a hash code of malware files. Details are required regarding additional feed capabilities.

 4.7.13 **Reporting and alerts.**

 4.7.13.1 The ability to create and filter system reports (structured reports and customized reports) is required. Details are required regarding the types of reports included in the system and the customized report creation interface.

 4.7.13.2 The ability to send alerts to system administrators and to parties that will be defined in advance, in real-time, and in a scheduled manner is required. Details are required regarding the system’s capabilities regarding sending alerts (sending method, content, timing).

 4.7.14 **Change management and best practices**

 4.7.14.1 Details are required regarding the Manufacturer’s **Best Practices** on system implementation.

 4.7.14.2 Details are required regarding the system’s update methodology and regarding the installation of updates in order to ensure that every change is tested and approved prior to being implemented in the production environment.

 4.7.15 **Roadmap**

 4.7.15.1 Details are required regarding the Manufacturer’s roadmap in the domain of the Specific Invitation to Tender, with a focus on the Main **Features** and **schedules for the upcoming year**.

**5. Appendix D – Reference Model**

5.1 All prices shall include a warranty as stipulated in Chapter 3 of the Central Tender documents and as specified above in the Specific Invitation to Tender documents.

5.2 The Bidder shall enter its Bid, at the prices detailed in the official price list, in the Excel worksheet attached as Appendix D1 to the Specific Invitation to Tender publication notice.

5.3 The prices in the Specific Invitation to Tender shall be determined in accordance with the price offer, as detailed below:

**5.4 Installation, implementation, and maintenance services**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **#** | **Section** | **Quantity for weighting** | **Maximum rate (including VAT)** | **Remarks** |
| A. | Annual maintenance price, as a percentage of the actual product price (from Year 4 onwards) | 2 | 20% | Total five years for weighting in the Specific Invitation to Tender  |

**5.5 Remarks**

5.5.1 Each Buyer shall make an actual purchase in accordance with the scope and type of products required by it, in accordance with the products available in the Manufacturer’s price list, as defined in the Tender and the Specific Invitation to Tender documents, in the domain of the Specific Invitation to Tender. All purchases shall be made after applying the discount determined at the end of the Specific Invitation to Tender. The aforementioned shall apply to all the products and services that may be purchased, and also to products and services that may be added throughout the duration of the contracting period.

**5.6 The method for entering products and calculating costs in the Reference Model:**

5.6.1 In the response to the Reference Model, serial numbers in the Purchase + Maintenance **(Perpetual)** model and the **Subscription** model may be inserted, such that some serial numbers will appear in the Subscription model and some in the Maintenance model.

5.6.2 For each product/service/serial number entered by the Bidder in response to each of the components, it shall be noted on the Reference Model sheet, in Column G (Pricing Model) whether the product price on the official schedule is in the Purchase + Maintenance (**Perpetual**) model or the **Subscription** model.

3Onspecified

 For products in a Purchase Model, all the required components shall be entered in order to provide a response to all the requirements of the Specific Invitation to Tender for the First Warranty Period as specified in Section 1.8.3 above.

 For Subscription Model products, the number of licenses required for one year shall be entered.

 After all the products and services, their quantities, and their prices on the official price list have been entered, the “Simulator” sheet may be viewed in order to calculate the total cost of the Bid, according to the calculation horizon determined in the Specific Invitation to Tender. In this case:

 The maintenance costs of the products shall be added to the cost of products in the purchase model for the first warranty period, which have been entered by the bidder in the response, for the purpose of completing the calculation horizon set in the pricing, as detailed above and in the attached Excel file.

5.6.3.2 The annual price of products in a Subscription Model shall be multiplied by 5 in accordance with the calculation horizon in the Specific Invitation to Tender, as detailed above. That is, the total purchase and maintenance costs shall be appropriately priced for a 5-year comparison period.

5.6.3.3 For example, if the annual Subscription Price for a particular component is $100, the opening price of the total costs over 5 years for that component shall be $500, where these costs shall include all procurement and maintenance costs for that period.

5.6.4 For the purpose of calculating the price offers, and inasmuch as it is necessary to specify the maintenance costs, the maintenance costs for products in the Subscription Model shall be set at 20% of the purchase price and shall have no weighting in the Bid cost calculation. **This component shall have no effect on the price of the components in the Subscription Model.**

5.6.5 The discount on the annual subscription price that shall be determined at the end of the Specific Invitation to Tender shall be valid for each year purchased by the Buyer in relation to the components in the Subscription Model including after the fifth year. This price shall include all procurement and maintenance costs, as noted in Section **1.8.3.3** above.

**5.7** **The Reference Model Price**

5.7.1 No later than 14 working days before the Bid submission date, the Administrator of the Tender may require Bidders to submit the Reference Model and the Simulator with the Manufacturer’s price list as of the submission date, in accordance with the quantities list detailed in the Reference Model.

5.7.2 It is hereby clarified that, in addition to what is stated in Section 3.7 of the Tender documents, all the products and services offered by the Supplier in its response to the Reference Model are required to be compatible with the Manufacturer’s standard licensing specifications and shall be offered in the accepted configuration in which the products or services are sold in the region in which the official price list is valid. In order to form an opinion, the Administrator of the Tender may request official references from the Manufacturer in relation to the products offered in response to the Reference Model, or similar products in the Manufacturer’s price list, including licensing specifications and product capabilities, sales volumes of the products offered, and similar products in the region where the official price list is valid and in any other regions of the world, accountants’ approvals, and any other documentation that the Administrator of the Tender shall deem necessary.

5.7.3 Insofar as, in the opinion of the Administrator of the Tender, a substantial change has been made in the base of the Manufacturer’s official price list, including a substantial change to the proposed system, the Administrator of the Tender shall be entitled to request that the Reference Model is updated accordingly. For the avoidance of doubt, excluding exceptional cases, the Administrator of the Tender shall not permit changes to the Bidder’s response to the Reference Model that would derogate from what is detailed in the Bidder’s Bid by the bid submission deadline.

5.7.4 The Bidder shall update the Administrator of the Tender as soon as it becomes aware of any material change in the basis of the Manufacturer’s official price list or in the basket of products that occurred after the submission of its Bid and/or prior to the submission of its Bid. Furthermore, the Bidder shall inform the Administrator of the Tender about products regarding which, according to statements by the Manufacturer, there is a possibility that their production, marketing, or support may cease (**End of Life**, **End of Sale,** or **End of Support**) or regarding which an announcement has already been made as such, as detailed in the Tender documents.

5.7.5 The Administrator of the Tender shall provide a total score for each Bidder in the final group of Bidders that have been approved to participate in the Specific Invitation to Tender price bid, in accordance with the Reference Model, which shall be calculated in New Israeli Shekels after being converted from the foreign currency stated in the Manufacturer’s price list, as published by the Bank of Israel 14 days prior to the Bid submission deadline or date of the dynamic Specific Invitation to Tender, if it is determined that the submission of this Bid shall be carried out in a different manner, and VAT shall be added to it according to the law, to the extent that the Bidder is obliged to collect VAT (hereinafter: “the Reference Model Price”). The Reference Model Price shall be the maximum price for each Bidder’s opening Bid upon submitting the price bid.

5.7.6 The Reference Price Model shall be forwarded to the Bidder prior to the Specific Invitation to Tender for the purpose of determining that no accounting errors have been made in the currency conversion undertaken by the Administrator of the Tender. It is hereby clarified that this is a technical calculation and the Bidders in the Specific Invitation to Tender shall not be provided, at this stage of the Specific Invitation to Tender, with any possibility whatsoever to amend any of the details of their Bid.

**6. Appendix E – Manufacturer’s Declaration**

**This Declaration may be signed in Hebrew or English**

To:

Government Procurement Administration, Accountant General, Ministry of Finance

Re: Specific Invitation to Tender No. 7 for the supply of NGFW – Next Generation Firewall systems and related services, published as part of Central Tender 05-2022 for the purchase and supply of products and services in the domain of information security and cyber protection for government ministries and support units (hereinafter: “**The Specific Invitation to** **Tender**”).

I, the undersigned \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, of company \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, the owner of the intellectual property of the products and services offered in the Specific Invitation for Tender (hereinafter: “**the** **Manufacturer**”) by \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (hereinafter: “**the** **Bidder**"), do hereby declare as follows:

1. The Bidder, which offers products and services manufactured by us in the Specific Invitation to Tender, has been authorized by the Manufacturer to sell, install, and provide service for, products and services in the domain of the Specific Invitation to Tender in Israel, as authorized by the Manufacturer, for a period of at least 36 months before the Specific Invitation to Tender bid submission deadline.

2 The Bidder is (check one of the following boxes):

 ☐ The Manufacturer’s authorized Supplier in Israel for the products and services offered.

 ☐ The Manufacturer or our subsidiary Manufacturer in Israel.

3. The Bidder is certified by us, the Manufacturer, at the highest certification level available in the domain of the Specific Invitation to Tender and is authorized by the Manufacturer to sell the products and services offered and hereby undertakes a commitment to the requirements of the Tender and the Specific Invitation to Tender:

4. The Manufacturer declares that it sold (directly or indirectly) NGFW products or services in the amount of no less than 750 million Dollars (Cumulatively) during the years 2021–2023.

5. The Manufacturer hereby confirms that it is familiar with the terms of the Tender and the Specific Invitation to Tender.

6. The Manufacturer hereby undertakes:

 65.1 That to the best of its knowledge, there is no impediment to the Bidder in the Specific Invitation to Tender to prevent it from supplying the Manufacturer’s products and/or services in accordance with the conditions of the Tender for the entire duration of the Specific Invitation to Tender, including the optional periods included therein.

 6.2 That the response to Appendix C of the Specific Invitation to Tender documents has been undertaken in a manner consistent with the characteristics of the products and services and the manner of their delivery by the Manufacturer.

 6.3 That it shall provide every assistance to the Bidder in Israel, provide and make available to the Bidder in the Tender the Manufacturer’s services and/or products in order for the Bidder to meet the conditions of the Tender, and verify that the products and services meet the requirements of the Tender and the Specific Invitation to Tender, provide and effect expert and skilled personnel, establish an escalation mechanism from the Supplier to itself, and assist in maintaining continuity in the provision of warranties for the products manufactured by it, for the entire duration of the Specific Invitation to Tender including the optional periods included therein.

 6.4 The Manufacturer shall do everything required of it as a manufacturer to enable the Bidder to comply with the conditions of the Tender and the Specific Invitation to Tender and its obligations therein, throughout the duration of the contracting period.

 6.5 In the event that the Bidder is prevented from continuing to provide the products and services, the Manufacturer or its representative shall assist in transitioning to the supply of products and services by a new Supplier that shall be determined by the Administrator of the Tender.

 6.6 To immediately inform the Bidder and the Administrator of the Tender regarding items where there is a possibility that their production, marketing, or support shall end (End of Life, End of Sale, or End of Support, and so on), or that already been declared as such.

 6.7 Not to publish the winning Bid with regard to any Specific Invitation to Tender without the prior approval of the Administrator of the Tender.

**Name of Manufacturer: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Signatory’s position with Manufacturer: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Signature and seal: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Manufacturer's Declaration for a specific invitation**

**To:**

**Israel Government Procurement Administration (IGPA), Accountant General, Ministry of Finance, Israel**

**Re: Specific invitation number 7 for the supply of NGFW – Next Generation Firewall products and accompanying services published as part of Central Tender 05-2022 for the Procurement and Supply of Cyber Security Products and Services for the Government Ministries and Additional Government Units] (hereinafter: the "Specific Invitation")**

I the undersigned, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, of the company \_\_\_\_\_\_\_\_\_\_\_\_\_\_, which is the manufacturer of the products and services offered in the Specific Invitation (hereinafter: the “**Manufacturer**”) by the bidder \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (hereinafter: the “**Bidder**”), having been advised that I must tell the truth and that I shall be subject to the penalties stipulated by law if I fail to do so, hereby declare that:

1. The Bidder, offering the products and services manufactured by us in the domain of the Specific Invitation, is currently authorized by us for the sale, supply, installation, and service of our products and services in Israel for at least the last thirty-six (36) months before the Specific Invitation submission deadline.

2. The Bidder is [check appropriate box]:

☐ A licensed supplier/authorized reseller of the Manufacturer for the services and products offered.

☐ The manufacturer or a subsidiary of the Manufacturer in Israel.

3. The Bidder is certified by us, the Manufacturer, at the highest certification level available for the offered product line.

4. The Manufacturer declares that it sold (directly or indirectly) NGFW products or services in the amount of no less than 750 million Dollars (Cumulatively) during the years 2021–2023.

5. The Manufacturer confirms it is familiar with the terms of the Tender and the Specific Invitation.

6. The Manufacturer undertakes a commitment to:

o That to the best of its knowledge, there is nothing to prevent the Bidder from supplying the products and/or services of the Manufacturer in accordance with the terms and conditions of the Tender for the entire duration of the Specific Invitation period, including the optional periods.

o Provide full support to the Bidder in Israel, to supply the Bidder with products and services needed to fulfill the Tender, including providing support of skilled and experienced personnel, spare parts, software updates, and continuous Warranty for the products and services manufactured by it, and establishing an escalation process from the Bidder to it, for the entire Specific Invitation period, including the optional periods.

o Do all in its power to provide continuous warranty for the products and services manufactured by it, inter alia by cooperating with the transfer of sales and warranty for the products and/or services to another supplier which shall be determined by the IGPA, including in the event that the Bidder or the Manufacturer shall not be able to continue to supply the products and/or services.

o Immediately inform the Bidder and the IGPA about products and services that are at the end of production, sale, or service and support cycle (End Of Life, End Of Sale, or End Of Support).

o Not to publish any information regarding the Bidder's win with respect to any specific Invitation published as part of this Tender.

**[All terms – as defined in the Tender]**

**Name of Manufacturer: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Position with Manufacturer: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Signature and seal: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**7. Appendix F – Confidentiality of Bid Details**

|  |  |  |
| --- | --- | --- |
| **No.** | **Section/Paragraph in the Specific Invitation to Tender documents** | **Explanation** |
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\*Additional rows may be added in accordance with the format detailed above.