

Terms of Reference (TOR)

Procurement of Web Application Firewall

(BIG-IP F5 WAF)

1. Introduction:

This document outlines the Terms of Reference (TOR) for the procurement of a BIG-IP F5 Web Application Firewall (WAF). The purpose of this TOR is to provide a comprehensive overview of the requirements, objectives, and scope for the purchase of the WAF solution. The document will also define the evaluation criteria that will be used to select the most suitable vendor for this procurement.

2. Objective:

The primary objectives of this procurement are as follows:

- Implement a state-of-the-art WAF solution to safeguard our web applications from common and emerging cyber threats for enhanced security.
- Identify and mitigate vulnerabilities, including but not limited to SQL injection, cross-site scripting (XSS), and DDoS attacks.
- Ensure compliance with industry standards and regulations related to web application security.
- Maintain optimal performance and availability of web applications while ensuring minimal latency introduced by the WAF solution.

3. Scope of Work:

The scope of this TOR includes:

- Delivery of the equipment and necessary accessories (which meets the requirements mentioned in this TOR).
- Installation and configuration of the WAF solution within our existing network infrastructure.
- Integrating the WAF solution with our web applications and associated services (includes configuring of required security rules).
- Conducting thorough testing to ensure the effectiveness and compatibility of the WAF solution with our applications.
- Collaborate with our core IT personnel throughout the solution implementation process to facilitate effective knowledge transfer.
- Provide hands-on lab training by certified OEM engineer(s) for 3 IT staff. Training should cover the following areas.

- Introduction to F5 network.
- Concept about the F5 product family.
- Type of F5 deployments, HW, VE, and Cloud.
- BIG-IP installation.
- Processing traffic.
- Application Security Manager (ASM) overview.
- File type enforcement.
- Manual and automatic policy building / trusted and untrusted requests.
- Learning, staging, and enforcement.
- Attack Signatures
- Brute force and web scraping protection.
- CSRF protection, parameter tampering protection, and geolocation enforcement.
- Data guard and PCI compliance.
- Layer 7 and behavioural DoS protection.
- DataSafe.

4. Technical Specifications:

4.1. Equipment and accessories:

Main equipment	F5-BIG-AWF-I2600 BIG-IP Appliance: AWF i2600 (16G, Base SSL & Comp)
Extra peripherals and services	<ul style="list-style-type: none"> ● F5-SVC-BIG-PRE-L1-3 BIG-IP Service: Premium (Level 1-3) (Service Length 12 Months) ● F5-UPG-AC-I2XXX Field Upgrade: Single 250W AC Power Supply (i2XXX) ● F5-UPG-SFPC-R Field Upgrade: SFP Copper Connector (10/100/1000 RJ45) ROHS ● F5-UPG-SFP+-R Field Upgrade: SFP+ Fiber Connector (10G-LC/850nm) ROHS ● F5-SBS-BIG-IPI-3-1YR BIG-IP Subscription: IP Intelligence License 1YR (2XXX/i2XXX/3600)

5. Other Requirements:

- 5.1. Warranty:
 - Minimum 1 year hardware and service warranty.
- 5.2. Product authorization:
 - Proposal must include the product authorization letter from the vendor/manufacturer stating that the party is authorized.
 - The letter must include a date within the past month from the date of the request.
- 5.3. Must have local support engineers (attach CVs with the proposal).

6. Payment Plan:

- 6.1. Payment shall be distributed in to 3 payments.
- 6.2. Preferred payment plan as follows:
 - 40% (of the total) payment upon equipment delivery and implementation.
 - 20% (of the total) payment upon the completion of the training.
 - Remaining 40% (of the total) payment within 3 – 6 months period from the date of invoice.

Note: No additional fines should be incurred within the mentioned period.

7. Evaluation Criteria:

- 7.1. The solution will only be considered for evaluation if it meets the technical specifications and other requirements mentioned in this TOR.
- 7.2. The proposals will be evaluated based on the following criteria's:

Criteria	Description	Weightage
Price	<ul style="list-style-type: none"> • The Supplier who submits the lowest price will have the most advantage. 	60
Experience	<ul style="list-style-type: none"> • Should have prior experience in F5 implementations. • Must provide minimum 2 references for successful implementations. 	15

Payment flexibility and other benefits proposed	<ul style="list-style-type: none">• Best payment plan proposed. (Should meet the preferred payment plan as mentioned in the TOR or better).	20
	<ul style="list-style-type: none">• Any additional benefits proposed. (Highest additional value offered).	05