



**GOVERNMENT OF PAKISTAN
REVENUE DIVISION
FEDERAL BOARD OF REVENUE
(PAKISTAN RAISES REVENUE PROJECT)**

Islamabad, the 6th May, 2025

AMENDMENT NO. 2

[RFB No. 2(12)/2025-Addl.Dir(P&F)/479827]

[Procurement Activity No.: PK-FBR-479827-GO-RFB]

Subject: Request for Bids - Procurement of Data Center Network Equipment

This is in continuation of the Request for Bids (RFB) issued on **26th March, 2025**, Amendment-01 issued on **29th April, 2025** for the subject procurement activity. The following revisions are made in the RFB document through this Amendment-2:

a. Section V - Schedule of Requirements

3. Technical Specifications.

Page No.	ITB Reference No.	Initial Requirements of RFB	Revised Requirements of RFB
71	Section V - Schedule of Requirements - Technical Specifications	General Requirements: 3. For Uplink/HA interfaces, vendor should use AOC cable.	General Requirements: 3. Vendor must provide SFP modules and optical patch cords against all ports of switches, appliances, firewalls, etc. Vendor should also provide UTP CAT6a cables for all copper ports. Additionally, supply following AOC cables (compatible with Fortinet and OEM of this solution): <ul style="list-style-type: none"> ○ 4 x 10G 10 meters ○ 8 x 40G 3 meters ○ 8 x 40G 10 meters ○ 6 x 100G 3 meters ○ 6 x 100G 10 meters ○ 6 x 200G 3 meters ○ 6 x 200G 10 meters
74.	Section V - Schedule of Requirements - Technical Specifications	Spine (DR Site) <ul style="list-style-type: none"> ● Switching Capacity 12.5 Tbit/s or more 	Spine (DR Site) <ul style="list-style-type: none"> ● Switching Capacity 6 Tbit/s or more
74.	Section V - Schedule of Requirements - Technical Specifications	Server Leaf (Primary Site) <ul style="list-style-type: none"> ● Downlink Fixed 48 x 25 Gbps (Optical) 	Server Leaf (Primary Site) <ul style="list-style-type: none"> ● Downlink Fixed 48 x 25/50 Gbps (Optical) Bidder must provide 25 Gbps (Optical) SFP modules for downlink ports.
74.	Section V - Schedule of Requirements - Technical Specifications	Service Leaf (Primary Site) <ul style="list-style-type: none"> ● Forwarding 12,000 mpps or more 	Service Leaf (Primary Site) <ul style="list-style-type: none"> ● Forwarding 1,200 mpps or more
75.	Section V - Schedule of Requirements - Technical Specifications	Service Leaf (Primary Site) <ul style="list-style-type: none"> ● Downlink For DC Firewall 4 x 100 Gbps (Optical) 	Service Leaf (Primary Site) <ul style="list-style-type: none"> ● Downlink For DC Firewall 4 x 100 Gbps (Optical) Split/breakout (AOC) cable can be used on 2 x 200G interfaces.
76.	Section V - Schedule of Requirements - Technical Specifications	Data Center Next Gen Firewall 2. Core Firewall Capabilities Support for virtual firewalls (multi-tenancy) with a minimum of 100 instances, scalable via licensing.	Data Center Next Gen Firewall 2. Core Firewall Capabilities Support for virtual firewalls (multi-tenancy) with a minimum of 14 instances Solution should be capable to provide 400 completed isolated network segments with VRFs/Security Zones with firewall protection
76.	Section V - Schedule of Requirements - Technical Specifications	Data Center Next Gen Firewall 2. Core Firewall Capabilities IPv6+ ready, including SRv6, channel sub-interfaces, and iFit for advanced traffic engineering.	Data Center Next Gen Firewall 2. Core Firewall Capabilities IPv6+ ready, including SRv6, channel sub-interfaces, and in-band network telemetry or equivalent real-time flow monitoring technologies to monitor end to end delay, jitter, packet loss, path-tracing etc. for advanced traffic engineering.
77.	Section V - Schedule of Requirements - Technical	Data Center Firewall (Primary Site) <ul style="list-style-type: none"> ● IPv4 Firewall throughput 240 Gbps ● Concurrent Sessions 75 million 	Data Center Firewall (Primary Site) <ul style="list-style-type: none"> ● IPv4 Firewall throughput 140 Gbps ● Concurrent Sessions 60 million

	Specifications	<ul style="list-style-type: none"> • New Sessions per Second 2 million • Port configuration <ul style="list-style-type: none"> ○ 4 × 100 Gb (Optical) ○ 8 × 25 (Optical) ○ 8 × 10 Gb (Optical) • HA Links: 2 x 25 Gb (Optical) 	<ul style="list-style-type: none"> • New Sessions per Second 800 k • Port configuration <ul style="list-style-type: none"> ○ 4 × 100 Gb (Optical) ○ 8 × 10/25 (Optical) SFP not required • HA Links: Above ports can be utilized as HA links
77.	Section V - Schedule of Requirements - Technical Specifications	Data Center Firewall (DR Site) <ul style="list-style-type: none"> • IPv4 Firewall throughput 160 Gbps • Concurrent Sessions 50 million • New Sessions per Second 1.5 million • Port configuration <ul style="list-style-type: none"> ○ 2 × 100 Gb (Optical) ○ 2 × 40 (Optical) ○ 8 × 10 Gb (Optical) • HA Links: 2 x 10 Gb (Optical) 	Data Center Firewall (DR Site) <ul style="list-style-type: none"> • IPv4 Firewall throughput 80 Gbps • Concurrent Sessions 30 million • New Sessions per Second 600 k • Port configuration <ul style="list-style-type: none"> ○ 2 × 100 Gb (Optical) ○ 2 × 40 Gb (Optical) ○ 8 × 10/25 (Optical) SFP not required • HA Links: Above ports can be utilized as HA links
77.	Section V - Schedule of Requirements - Technical Specifications	Data Center Firewall (Bunker Site) <ul style="list-style-type: none"> • IPv4 Firewall throughput 160 Gbps • Concurrent Sessions 50 million • New Sessions per Second 1.5 million • Port configuration <ul style="list-style-type: none"> ○ 2 × 100 Gb (Optical) ○ 2 × 40 (Optical) ○ 8 × 10 Gb (Optical) • HA Links: 2 x 10 Gb (Optical) 	Data Center Firewall (Bunker Site) <ul style="list-style-type: none"> • IPv4 Firewall throughput 80 Gbps • Concurrent Sessions 30 million • New Sessions per Second 600 k • Port configuration <ul style="list-style-type: none"> ○ 2 × 100 Gb (Optical) ○ 8 × 10/25 (Optical) SFP not required • HA Links: Above ports can be utilized as HA links

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