MINIMUM SPECIFICATIONS

Bid Announcement No:	**(IUL)223/1/2024/56 (11ᵗʰ September 2024)**
Bid Submission Deadline Date:	24ᵗʰ September 2024
Bid Submission Deadline Time:	10:00 am
Bid Submission Venue:	Tax Appeal Tribunal (G. Maagaha – 2ⁿᵈ Floor, Meeting Room)
Contact Number and email for Information:	procurement@tat·gov·mv Phone: 3015555

Specification For Antivirus & Firewall License

Firewall License – Qty 01

1. Hardware Specifications

| Enterprise Testing Conditions	
Threat Prevention with Smart Accel	650 Mbps
Threat Prevention	500 Mbps
Next Generation Firewall	970 Mbps
IPS Throughput	1,050 Mbps
Firewall Throughput	2,800 Mbps
RFC 3511, 2544, 2647, 1242 Performance (LAB)	
Firewall 1518 Byte UDP Packets	6,400 Mbps
VPN AES-128 Throughput	1,950 Mbps
Connections per Second	15,750
Concurrent Connections	1,000,000
Software	
Security	Firewall, VPN, User Aware, QoS, Application Control, URLF, IPS, Anti-Bot, Antivirus, Anti-Spam, sandboxing
Unicast, Multicast Routing and Clustering	OSPFv2, BGPv4 and 4++, RIP, PIM (SM, DM, SSM), IGMP, ClusterXL High Availability
IPv6	local network and internet connections, dual stack tunneling IPv4 over IPv6 networks, prefix delegation
Mobile Access License (Users)	200 remote SNX or Mobile VPN client users
Hardware	
WAN Port	1x 10/100/1000Base-T RJ-45 port
DMZ Port	1x 10/100/1000Base-T RJ-45 / 1x 1000BaseF SFP port (transceiver not included)
LAN Ports	8x 10/100/1000Base-T RJ-45 ports
Wi-Fi (optional)	802.11 a/b/g/n/ac/ax MU-MIMO 4x4

Radio Band	Two radio bands concurrent: 2.4GHz and 5GHz
5G (1595 option)	Sub-6 GHz, max 4.5Gbps downlink speed and 660Mbps uplink speed. external SIM support. Dual SIM single standby (DSSS). 4x4 MIMO
LTE (optional)	LTE Embedded modem supporting fallback to 3G, CAT13 with Main and Auxiliary antennas. max 400Mbps downlink speed and 150Mbps uplink speed with dual SIM support
Console, USB ports	Console: 1x USB-C, USB1x USB 3.0:
SD Card Slot	Micro-SD slot

Environment	
Operating / Storage	0°C ~ 40°C / -45°C ~ 60°C (5~95%, non-condensing)
Power Requirements	
AC Input	100 – 240VAC, 50 – 60 Hz
Power Supply Rating	12V/3.3A 40W power adapter (non-Wi-Fi), 12V/5A 60W power adapter (all Wi-Fi models)
Power Consumption (Max)	26.01W (non-Wi-Fi); 31.28W (Wi-Fi); 35.5W (Wi-Fi-LTE), 37.26W (Wi-Fi-DSL)
Heat Dissipation (BTU/hr.)	88.75 (non-Wi-Fi); 106.73 (Wi-Fi), 121.13 (Wi-Fi-LTE); 127.14 (Wi-Fi-DSL)
Safety	CB 62368-1, CE, CE 62368-1, UL 62638-1
Emissions	FCC IC Class B, VCCI, AS/NZS RCM EMC
Environment	RoHS, REACH, WEEE
Cellular	PTCRB, GCF and Carriers AT&T and Verizon certified

2. Firewall Appliance and license

SECURITY APPLIANCES

Security Appliance, includes SandBlast (SNBT) Security Subscription Package for 1 Year
Wi-Fi Security Appliance, includes SandBlast (SNBT) Security Subscription Package for 1 Year
Wi-Fi + LTE Security Appliance, includes SandBlast (SNBT) Security Subscription Package for 1 Year
WI-FI REGIONS (replace –xx in the SKU to specify the Wi-Fi region)
USA, Canada
Europe
Japan
Australia, Argentina
Israel
China
India, Chile
New Zealand
Latin America, Singapore, Hong Kong, Thailand, Sri-Lanka
ACCESSORIES
SFP Long range transceiver (for the DMZ 1000BaseF port)
DSL modem in SFP form factor for WLTE with TAE cable
SD memory card 64 GB
Replacement Wi-Fi Antenna
Replacement 60W AC Power Supply for Wi-Fi and Wi-Fi-LTE
Rack Mount kit
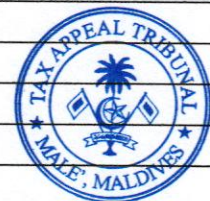
IOT, SD-WAN AND MOBILE SOFTWARE BLADES
Mobile Access Blade for 50 concurrent connections
Quantum IoT Protect for 1 year for 15x5 Firewall
Quantum SD-WAN for 1 year for 15x5 Firewall

3. Services Bundles	SNBT
Security Appliance (wired, Wi-Fi or Wi-Fi with embedded 5G)	TRUE
Premium Support (24 x 7 response, software upgrades and more)	TRUE
PRO Support option (proactive health monitoring service)	TRUE
Firewall	TRUE
VPN	TRUE
Mobile Access (includes 100 concurrent users)	TRUE
Application Control	TRUE
Intrusion Prevention System	TRUE
URL Filtering	TRUE
Antivirus and Anti-Bot	TRUE
Anti-Spam and Email Security	TRUE
DNS Security	TRUE
Threat Emulation (sandboxing)	TRUE
IoT Network protection for SMBs	TRUE
SD-WAN network optimization for SMBs	TRUE

4. SUBSCRIPTION SERVICES	
SERVICE	SERVICES HIGHLIGHTS
Next-Gen Firewall (NGFW): segment networks and apply zero trust policy with IPS	• Accept, prevent, schedule, and apply traffic-shaping based controls to application traffic • 10,000+ pre-defined apps or customize your own application • Protect vulnerable systems with 12,000+ IPS protections
AI Deep Learning DNS security with antivirus and anti-bot prevents threats	• DNS security prevents Command & Control (C2) connections and blocks data theft through DNS tunneling • Antivirus stops incoming malicious files and links in web, email, FTP and SMB content • Anti-Bot detects infected hosts and prevents communications with external C2 servers • Apply web and application control using 100+ categories or customize your own
SandBlast (SNBT): comprehensive, multi-layered defense with sandboxing protection from unknown and zero-day threats	• Average emulation time for unknown files that require full sandbox evaluation is under 100 seconds • Emulation OS Support: Windows XP, 7, 8.1, 10 applications • CPU-level, OS-level and static file analysis • Maximal file size for Emulation is 15MB
IoT Network Protection: simple, effective,	• Passive and active discovery of enterprise IoT devices with autonomous mapping to

autonomous discovery and protection of IoT devices in minutes	200+ profiles • IoT attributes include function, manufacturer, model, risk, confidence, VLAN, IP and MAC address • Automatically creates and applies an inline zero-trust IoT policy layer • Sees and controls over 1,500 IoT and OT protocols and commands
SD-WAN: reliable and optimum network connectivity at the lowest cost	• Link aggregation and link prioritization according to latency, jitter, and packet loss • Advanced multi-path orchestration and steering for 10,000+ apps • Sub-second failover for overlay and supported applications • SLA monitoring and autonomous link swapping

Antivirus Endpoint Security

#	
1	Kaspersky Endpoint Security— Cloud Plus
2	1 year license Base Plus
3	Ransomware protection.
4	Multi layered protection.
5	Next Gen AV features.
6	Exploit prevention. (Virtual patching technology)
7	Device & Web control.
8	One license covers two mobile devices security and MDM functionalities.
9	Full disk encryption. (BitLocker & File vault)
10	Patch management for Microsoft & 3rd party applications.
11	Vulnerability assessment. Cloud discovery & blocking.
12	Security for Microsoft 0365.
13	Data discovery.
14	Root cause analysis,

#	Description	Qty
1	Antivirus License for clients	30
2	Antivirus License for servers	3