

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

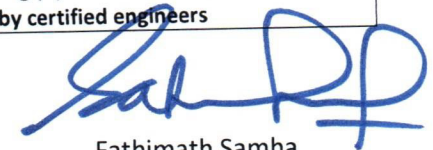
Information Technology Division

Ministry of Health

دائرة تكنولوجيا المعلومات
وزارة الصحة
الكويت

Specification for Next Generation Firewall

QUANTITY	1
PORTS	14 x GE RJ45 WAN (Minimum) 14 x GE SFP Port (Minimum) 2 x GE RJ45 Management Ports
BASIC FIREWALL THROUGHPUT	31 GB/s (Minimum)
IPS THROUGHPUT WITH MIX TRAFFIC	4 GB/s (Minimum)
IPSEC VPN THROUGHPUT	18 GB/s (Minimum)
SSL-VPN THROUGHPUT	2.5 GB/s (Minimum)
THROUGHPUT WITH FIREWALL, IPS AND APPLICATION CONTROL ENABLED	3.2 GB/s (Minimum)
THROUGHPUT WITH THREAT PROTECTION ENABLED (INCLUDING FIREWALL, IPS, APPLICATION CONTROL AND MALWARE PROTECTION)	3 GB/s (Minimum)
NUMBER OF CONCURRENT SESSIONS ALLOWED	3 Million (Minimum)
NEW SESSION RATE	250,000 / s
LICENSING AND SUBSCRIPTIONS	3 Year Application Control, IPS, Antivirus, Botnet, Mobile Malware Service, Web Filtering, Antispam, Sandbox Cloud including Virus Outbreak 3 Year support for Hardware Replacement, Firmware upgrades and on-site support
ADDITIONAL FEATURES	High availability configuration support (Active/Passive and Active/Active) Link balancing and load balancing
INSTALLATION AND CONFIGURATION	Installation and configuration (including rack installation, cabling and setup) should be done by the bidder by vendor certified engineers Update to latest stable firmware Application control policy configuration IPS configuration Web filtering configuration Malware protection configuration Network segregation and routing configuration for up to 5 subnets / 5 VLANs Firewall monitoring, logging and alert configuration NAT configuration and DMZ configuration Load balancing Creation of configuration documentation
TRAINING	Certified technical training (up to NSE level 6) should be provided for 2 IT staffs by certified engineers



Fathimath Samha
Senior Computer Programmer
8th March 2021

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Minimum requirement for the Provision of internet Connection to Ministry of Health (Roashanee Building)

PURPOSE	Providing high speed asymmetric internet to Ministry of Health (Roashanee Building)
NO. OF CONNECTIONS	2 (each from different ISPs)
SPEED	Dedicated bandwidth of 40mbps
BANDWIDTH MANAGEMENT	Distribution of bandwidth to other offices under MoH as follows: Dhamana Veshi 3mbps Maldivian Blood Service 3mbps Male' Seaport (MFDA/HPA) 2mbps Hulhule Port (MFDA/HPA) 2mbps Hulhumale' Seaport (MFDA/HPA) 2mbps
TRANSMISSION MEDIA	Fiber Optics
Contention Ratio	1:1
DATA LIMIT	Unlimited
MINIMUM NO. OF PUBLIC IPS REQUIRED	14
INSTALLATION	Must include all necessary equipment for setup Installation time should not exceed 1 month
OTHER REQUIREMENTS	Must be able to provide an alternative solution in case of downtime Must be able to view usage statistics (even individual users' usage) Bandwidth should be managed from Ministry of Health Must provide ATLEAST 24 IPv4 addresses Must provide a temporary connection (40mbps) until final setup
OPTIONAL (PRICE SHOULD BE INCLUDED SEPARATELY)	IPv6 block



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دېر سوچ پر انځور لوستو (په شعرونه) د نړۍ د رنګونو په شمعونو کې ترسره شو

- در این کتاب که در این کتابخانه است

10- ჯანსაღი სახეობის ჯიშის დროშა 02 დო ტოპოგრაფიული ჯიშის დროშა, რომელიც არის ჯიშის დროშა, რომელიც არის ჯიშის დროშა, რომელიც არის ჯიშის დროშა.

11- ტოპოგრაფიული ჯიშის დროშა, რომელიც არის ჯიშის დროშა, რომელიც არის ჯიშის დროშა, რომელიც არის ჯიშის დროშა, რომელიც არის ჯიშის დროშა.

12- ჯიშის დროშა, რომელიც არის ჯიშის დროშა, რომელიც არის ჯიშის დროშა, რომელიც არის ჯიშის დროშა, რომელიც არის ჯიშის დროშა.

13- ჯიშის დროშა, რომელიც არის ჯიშის დროშა, რომელიც არის ჯიშის დროშა, რომელიც არის ჯიშის დროშა, რომელიც არის ჯიშის დროშა.