



DEPARTMENT OF NATIONAL REGISTRATION

REQUEST FOR PROPOSAL

RFP 2022-02

(IUL)133-AS/133/2022/16

Announcement Date

11 April 2022

Proposal Submittal Due Date

21 April 2022

(12:00)

To

Department of National Registration

Velaanaage, 4th Floor

Ameer Ahmed Magu

Male'



RFP 2022-02

Definitions

RFP	Request for Proposal
DNR	Department of National Registration

Introduction

The Department of National Registration (DNR) intends to purchase data center network upgrade equipment's specified in this RFP. This RFP is not an offer to purchase but is a request to receive proposals.

DNR reserves the right to accept or reject any or all responses, as well as the right to negotiate with one or more, or none of the responding vendors. Omissions, alterations, or irregularities of any kind shall constitute sufficient cause for rejection of a proposal. DNR reserves the right to advertise for new proposals if, in its judgment, the best interests of the department will be served.

It is the responsibility of each vendor to be aware of, and comply with, all relevant laws. All proposals submitted will be properties of DNR and is not, and will not be, responsible for any costs incurred by the vendor in preparations of the proposal.

- **Bidders are required to direct all the questions to:**
Procurement
Email: procurement@dnr.gov.mv



1. TECHNICAL REQUIREMENT AND SCOPE OF WORKS

#	Requirements	Quantity	Compliance (Yes / No)	Manufacturer Part Number(s) and Reference(s)
1.	SUPPLY, INSTALLATION, CONFIGURATION, MIGRATION and MAINTENANCE for DATA CENTER NETWORK UPGRADE	1 LOT		
1.1	Firewall Technical Requirements	01 Bundle		
1.1.1	The proposed next generation firewall should be an enterprise grade firewall from a manufacturer listed as Leader in the 2020 or 2021 Gartner Magic Quadrant for Network Firewalls. Should submit relevant Gartner's magic quadrant report			
1.1.2	The proposed Solution should support intercepting SSL traffic for Security Filtering.			
1.1.3	The proposed solution should be able to perform the security functionalities of Web Filter, Application Control, IPS, and Antivirus.			
1.1.4	The appliance should support OSPF, BGP, static, IGMP v1/v2, PIM, VRRP, BFD protocol. It should able to participate in WAN overlay fabric and should able to connect existing routers on traditional routing protocol.			
1.1.5	The appliance should support 802.1Q, sub interface, bridge domains, Inter VLAN routing.			
1.1.6	The appliance should support policy based routing, Application aware routing, performance based routing.			
1.1.7	The appliance should support various traffic load balancing mechanism between multiple transport like ECMP session based load balancing, Weighted load balancing, Application pinning (Application traffic on certain path only), Active-passive.			
1.1.8	The appliance should support Quality of Service based on layer-7 application			
1.1.9	The appliance should support NAT/PAT for direct internet access or cloud access			
1.1.10	The appliance should be based on proven security (AV, IPS, DNS, web/content filtering) built around business intent (users, devices and applications) natively integrated			
1.1.11	The appliance architecture should have dedicated CPU for security processing apart from the main central processing units (CPUs).			
1.1.12	The appliance should identify thousands of applications inside network traffic for deep inspection and granular policy enforcement			
1.1.13	The appliance should protect against malware, exploits, and malicious websites in both encrypted and non-encrypted traffic			
1.1.14	The appliance should prevent and detect against known and unknown attacks using continuous threat intelligence backed by dedicated global security services			
1.1.15	The appliance shall support automatically blocking threats on decrypted traffic using the Industry's standard SSL inspection			



#	Requirements	Quantity	Compliance (Yes / No)	Manufacturer Part Number(s) and Reference(s)
1.1.16	The appliance shall support blocking and controlling web access based on user or user groups across URL's and domains			
1.1.17	The appliance shall support Block DNS requests against malicious domains			
1.1.18	The appliance shall support Multi-layered advanced protection against zero-day malware threats delivered over the web			
1.1.19	The appliance shall support consistent business application performance with accurate detection, dynamic WAN path steering on any best-performing WAN transport			
1.1.20	The appliance shall include a management console that is effective, simple to use, and provides comprehensive network automation and visibility			
1.1.21	The appliance shall support extended security fabric integrating security and management across network switches, wireless access points and end point security			
1.1.22	The security appliance shall provide converged networking and security into a secure, simple to manage architecture with a single focal point for management and configuration for LAN devices such as Network Switches and Wireless Access Points.			
1.2	Core Firewall Hardware Appliance Specifications	02 Nos		
1.2.1	The proposed device shall have minimum 8x1 Gig SFP ports for LAN/WAN connection			
1.2.2	The proposed device shall have minimum 16x1 Gig RJ-45 ports for LAN/WAN connection			
1.2.3	The proposed device shall have minimum 2x10 Gig SFP+ ports for LAN/WAN connection			
1.2.4	The proposed device should support minimum 25Gbps firewall throughput			
1.2.5	The proposed device shall support minimum 5Gbps IPS throughput (application control, threat protection and NGFW enabled)			
1.2.6	The proposed device shall support minimum 3.5Gbps NGFW throughput (Firewall, IPS and Application Control enabled)			
1.2.7	The proposed device shall support minimum 3Gbps Threat Protection throughput (Firewall, IPS, Application Control and Malware Protection Enabled)			
1.2.8	The proposed device shall support minimum 2Gbps SSL VPN throughput			
1.2.9	The proposed device shall support minimum 4Gbps SSL Inspection throughput			
1.2.10	The device shall have support for minimum 2.5 Million Concurrent Sessions (TCP)			
1.2.11	The device shall support active-active or active-passive high availability configuration			
1.2.12	The device shall have redundant power supply unit			
1.2.13	The proposed device shall have a form factor of one rack unit. Rack mounting accessories should be included			



#	Requirements	Quantity	Compliance (Yes / No)	Manufacturer Part Number(s) and Reference(s)
1.2.14	Warranty: 3-Year Parts and Service with 24x7 comprehensive Support, Hardware Replacement, Firmware Upgrades			
1.3	Edge Firewall Hardware Appliance Specifications	02 Nos		
1.3.1	The proposed device shall have minimum 8x1 Gig SFP ports for LAN/WAN connection			
1.3.2	The proposed device shall have minimum 12x1 Gig RJ-45 ports for LAN/WAN connection			
1.3.3	The proposed device shall have minimum 2x10 Gig SFP+ ports for LAN/WAN connection			
1.3.4	The proposed device should support minimum 20Gbps firewall throughput			
1.3.5	The proposed device shall support minimum 2.6Gbps IPS throughput (application control, threat protection and NGFW enabled)			
1.3.6	The proposed device shall support minimum 1.6Gbps NGFW throughput (Firewall, IPS and Application Control enabled)			
1.3.7	The proposed device shall support minimum 1Gbps Threat Protection throughput (Firewall, IPS, Application Control and Malware Protection Enabled)			
1.3.8	The proposed device shall support minimum 1Gbps SSL VPN throughput			
1.3.9	The proposed device shall support minimum 1Gbps SSL Inspection throughput			
1.3.10	The device shall have support for minimum 1.5 Million Concurrent Sessions (TCP)			
1.3.11	The device shall support active-active or active-passive high availability configuration			
1.3.12	The device shall have redundant power supply unit			
1.3.13	The proposed device shall have a form factor of one rack unit. Rack mounting accessories should be included			
1.3.14	Warranty: 3-Year Parts and Service with 24x7 comprehensive Support, Hardware Replacement, Firmware Upgrades			
1.4	Datacenter Switch Specifications	02 Nos		
1.4.1	The device should support direct security and management integration with the proposed firewall appliances			
1.4.2	The device shall support minimum the following Layer 2 Features: IEEE 802.1AX LAG, IEEE802.1D STP, IEEE802.1Q VLAN, IEEE 802.1s MSTP, IEEE 802.1w RSTP, IEEE 802.3ad LACP, Jumbo frames, STP BPDU Guard, STP Root Guard			
1.4.3	The device shall support minimum the following Layer 3 Features: BFD, DHCP Relay, DHCP Server, OSPFv2, RIPv2, VRRP, BGP, ISIS, ECMP, IGMP Proxy, IGMP Snooping, PIM-SSM, VFR			
1.4.4	The device shall support minimum the following Security and visibility Features: ACL (up to 4K entries), Dynamic ARP inspection, IEEE			



#	Requirements	Quantity	Compliance (Yes / No)	Manufacturer Part Number(s) and Reference(s)
	802.1ab LLDP, IEEE 802.1X Authentication, Port Mirroring, RADIUS Accounting, sFlow			
1.4.5	The device shall support MCLAG high availability			
1.4.6	The device shall support minimum the following management features: Dual firmware, HTTP/HTTPS, IPv4 management, packet capture, RMON, SNMP v1/v2c/v3, SNTP, TFTP, SPAN, CLI, Web GUI, Syslog, Telnet/SSH			
1.4.7	Network Interfaces: 48x GE/10 GE SFP+ ports and 6x 40 GE QSFP+ ports or 4x 100 GE QSFP28 ports			
1.4.8	The proposed device shall support minimum 1760Gbps switching capacity			
1.4.9	The proposed device shall support minimum 1518Mpps throughput			
1.4.10	The proposed device shall have minimum 140K MAC address storage			
1.4.11	The proposed device shall support up to 4K VLANs			
1.4.12	The proposed device shall have minimum 12MB packet buffers			
1.4.13	The proposed device shall have minimum 8GB DRAM			
1.4.14	The proposed device air flow should be front to back			
1.4.15	The device shall have redundant hot swappable AC power supply unit			
1.4.16	The proposed device shall have a form factor of one rack unit. Rack mounting accessories should be included			
1.4.17	10GE SFP+ SR transceiver module with 5m fiber optic cable shall be included. The transceiver shall be from the same OEM.	48 Nos		
1.4.18	1GE SFP RJ45 transceiver module. The transceiver shall be from the same OEM.	10 Nos		
1.4.19	40GE QSFP+ SR transceivers module with 2m fiber optic cable shall be included. The transceiver shall be from the same OEM.	02 Nos		
1.4.20	40GE QSFP+ LR transceivers module shall be included. The transceiver shall be from the same OEM.	04 Nos		
1.4.21	Cisco 10GE SFP+ LR transceivers module for existing Cisco Nexus Switch	04 Nos		
1.4.22	Warranty: 3-Year Parts and Service with 24x7 comprehensive Support, Hardware Replacement, Firmware Upgrades	02 Nos		
1.5	Access Switch Specifications	06 Nos		
1.5.1	The device should support direct security and management integration with the proposed firewall appliances			
1.5.2	The device shall support minimum the following Layer 2 Features: IEEE 802.1AX LAG, IEEE802.1D STP, IEEE802.1Q VLAN, IEEE 802.1s MSTP, IEEE 802.1w RSTP, STP BPDU Guard, STP Root Guard			



#	Requirements	Quantity	Compliance (Yes / No)	Manufacturer Part Number(s) and Reference(s)
1.5.3	The device shall support minimum the following Layer 3 Features: BFD, DHCP Relay, Static Routing			
1.5.4	The device shall support minimum the following Security and visibility Features: ACL, IEEE 802.1X Authentication, RADIUS Accounting, sFlow			
1.5.5	The device shall support minimum the following management features: Dual firmware, HTTP/HTTPS, Web GUI, SSH			
1.5.6	Network Interfaces: 48x GE RJ45 PoE (802.3af/at) and 4x 10GE SFP+			
1.5.7	The proposed device shall have minimum 740W PoE power budget			
1.5.8	The proposed device shall support minimum 176Gbps switching capacity			
1.5.9	The proposed device shall support minimum 260Mpps troupe			
1.5.10	The proposed device shall support up to 4K VLANs			
1.5.11	The proposed device shall have minimum 2MB packet buffers			
1.5.12	The proposed device shall have minimum 512MB DRAM			
1.5.13	The proposed device shall have a form factor of one rack unit. Rack mounting accessories should be included			
1.5.14	Install 03 nos x Redundant 30m pre-terminated fiber optic duplex LC OM4 uplink cable from existing floor racks to datacenter switch.			
1.5.15	Install 03 nos x fiber optic patch panel with minimum 06 duplex LC port in existing floor racks			
1.5.16	Install 01 nos x fiber optic patch panel with minimum 12 duplex LC port in existing distribution rack in the server room			
1.5.17	Supply and install 06 x Duplex LC OM4 1m Fiber Optic Patch cord for uplinks			
1.5.18	Warranty: 3-Year Parts and Service with 24x7 comprehensive Support, Hardware Replacement, Firmware Upgrades			
1.6	Wireless AP Specifications	03 Nos		
1.6.1	The proposed device should support direct security and management integration with the proposed firewall appliances			
1.6.2	The proposed device should support cloud based management			
1.6.3	The proposed device should be enterprise class Wi-Fi 6 indoor AP			
1.6.4	The proposed device shall have minimum 3 + 1 BLE radio			
1.6.5	The proposed device shall have minimum 3 dual band (2.4Ghz and 5Ghz) internal Wi-Fi antennas			
1.6.6	The proposed device shall support up to 574Mbps data rate on 2.4Ghz radio			



#	Requirements	Quantity	Compliance (Yes / No)	Manufacturer Part Number(s) and Reference(s)
1.6.7	The proposed device shall support up to 1210Mbps data rate on 5Ghz radio			
1.6.8	The proposed devices shall have 2x 10/100/1000 Base-T RJ45, 1x Type 2.0 USB interfaces			
1.6.9	The proposed device shall support 1 port powered by 802.3at			
1.6.10	The proposed device shall support WPA, WPA2, and WPA3 with 802.1x or PSK, WEP, Web Captive Portal for user/device authentication			
1.6.11	The proposed device shall support wireless monitoring features such as rogue AP scanning, WIPS/WDS, packet sniffing and spectrum analyzer			
1.6.12	The proposed device shall have built-in surge protection			
1.6.13	The proposed device shall be supplied with ceiling mount accessories			
1.6.14	Warranty: 3-Year Parts and Service with 24x7 comprehensive Support, Hardware Replacement, Firmware Upgrades			
1.7	Central Management Platform Specification	01 Nos		
1.7.1	Physical or Virtual appliances can be proposed. If Virtual required system requirements should be shared			
1.7.2	Role based access control capabilities should be facilitated and supported with local and Remote Administrator account authentication support (eg.RADIUS,TACACS+, LDAP,SAML)			
1.7.3	Proposed Central controller should be able to provide the administration with single pane of glass management and Monitoring visibility by integrating to the proposed Analytics and reporting solution			
1.7.4	Shall have the capability to maintain Audit-trail of all the changes and installed configs/commands with revision controls for Administration purposes and revert to an older config if required through the same central management.			
1.7.5	Management solution should centrally manage firmware images and schedule managed devices for upgrade			
1.7.6	Solution should have centralized management. Centralized management should perform following:			
1.7.8	Device configuration management using GUI and templates			
1.7.9	Element Management – Network element inventory, operational status, performance data, software information, element statistics.			
1.7.10	Policy Management – Policy creation, management and application.			
1.7.11	Software Management and Upgrades			
1.7.12	Traffic and Performance Statistics			
1.7.13	Certificate management			
1.7.14	Centralized management should have open APIs to integrate with third party management.			



#	Requirements	Quantity	Compliance (Yes / No)	Manufacturer Part Number(s) and Reference(s)
1.7.15	Centralized management should support role-based access.			
1.7.16	Shall support 200GB of storage capacity			
1.7.17	All the required hardware, software and licenses shall be included from day 1 and licensed for 3 years.			
1.8	Monitoring, Analytics and Reporting Platform Specifications	01 Nos		
1.8.1	Physical or Virtual appliances can be proposed. If Virtual required system requirements should be shared			
1.8.2	Analytics solution should have real-time monitor to view the live status of managed devices to identify trends, outages or other events that may require the attention.			
1.8.3	The management solution should be able to show the WAN link health monitoring status in terms of packet-loss, jitter and latency			
1.8.4	The solution should provide centralized logging of multiple record types including traffic activity, system events.			
1.8.5	The solution be able to provide real-time and historical logs with filtering and search capabilities			
1.8.6	The solution should be able to displays a map of the world that shows the top traffic destination country by color			
1.8.7	The solution should provide predefined templates for building / generating reports			
1.8.8	The solution should be able to support threshold values to generate alerts.			
1.8.9	The solution should be able to send alert emails			
1.8.10	The solution should be able to manually generate the report or schedule the same			
1.8.11	The solution should be able to generate report based on user names			
1.8.12	The solution shall support minimum 2TB of log storage.			
1.8.13	All the required hardware, software and licenses shall be included from day 1 and licensed for 3 years.			
1.9	Installation, Configuration, Migration and Training	01 Nos		
1.9.1	Hardware installation including mounting, management cabling and power up			
1.9.2	The vendor MUST have at minimum the following full time OEM Certified Professional/Engineer under its payroll to provide installation, configuration, integration, migration and training services. All relevant engineer(s) certificates shall be included with the bid proposal. <u>Primary required certificates of the engineer(s):</u> <ul style="list-style-type: none"> •Cisco CCNA Certified for Routing and Switching Certified •Cisco CCNA and CCNP Certified for Security Certified •OEM Certified Professional for the proposed Firewall Appliance •VMware Certified 			



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#	Requirements	Quantity	Compliance (Yes / No)	Manufacturer Part Number(s) and Reference(s)
	<p><u>Additional required certificates of the engineer for Connected Hardware:</u></p> <ul style="list-style-type: none"> •HPE Storage Solution Certified •HPE BladeSystem Certified •HPE Virtual Connect •HPE Entry Storage HPE MSA 			
1.9.3	Design appropriate LAN,WAN, and DMZ security policies.			
1.9.4	Configure application control policies			
1.9.5	Configure AV and Web filtering policies			
1.9.6	Configure antispam filtering			
1.9.7	Configure IPS policies			
1.9.8	Configure traffic shaping and ISP WAN load balancing			
1.9.9	Network segmentation and configure appropriate security policy per segment			
1.9.10	Configure remote access connectivity policies			
1.9.11	Design high available data center core network			
1.9.12	Migrate all existing core network services from Cisco Nexus data center switches to new data center core network switches			
1.9.13	Configure and migrate storage core network			
1.9.14	Configure and migrate VMware core network			
1.9.15	Configure and migrate management network			
1.9.16	Reconfigure Cisco Nexus datacenter switches for DR Site			
1.9.17	VXLAN Configuration for primary data center core network and DR site network			
1.9.18	Cisco DCNM configuration for DR Site network provisioning and management			
1.9.19	Configure and migrate all access layer networks to new access layer switch			
1.9.20	Configure wireless network and relevant policies			
1.9.21	Design and configure wireless network user/device authentication			
1.9.22	Configure HPE Virtual Connect converged network segmentation			
1.9.23	Configure HPE Virtual Connect access control security policies			
1.9.24	Configure HPE Blade System management network security policies			
1.9.25	Configure HPE MSA storage authentication and management security policies			
1.9.26	Configure iSCSI network optimization across all relevant network layers			
1.9.27	Configure VMware iSCSI network optimization			
1.9.28	Configure VMware network security policies and traffic segregation			
1.9.29	Configure centralized management platform as per industry best practice			



#	Requirements	Quantity	Compliance (Yes / No)	Manufacturer Part Number(s) and Reference(s)
1.9.30	Configure centralized log analytics platform and standard security reporting			
1.9.31	On the job training on basic management, operation and maintenance.			
1.9.32	Comprehensive testing and a detailed documentation on the configuration and settings of the delivered solution should be provided.			
1.10	Local 3-Year 24 x 7 On-site Technical Support Services and Labor	01 Nos		
1.11	<p>Service Level Expectations</p> <p>a) The support service vendor should provide the contact number of a single point of contact to facilitate immediate contact by client's representative and he or she shall be responsible to liaise with all vendors for rectification of faults within the Next Business Day.</p> <p>b) Defective equipment shall be replaced by the bidder at his own cost including the cost of transport if any;</p> <p>c) The support service vendor shall provide all normal toolkit and test equipment needed for the maintenance of the hardware to the engineer.</p> <p>d) System maintenance and support services will include the following activities.</p> <ul style="list-style-type: none"> ✓ 24 x 7 on-line Support. ✓ Patch updating and major / minor software version upgrading support. ✓ Phone/Email TAC support must be provided during support period ✓ Issue resolution / Onsite Visits within 1 hour of hardware failures reported ✓ Local TAC support plan must be maintaining by the Bidder for the maintenance period. 	01 Lot		
1.12	<p>Maintenance Support Services including on-site Technical Support:</p> <ul style="list-style-type: none"> • On-site hardware repair/replace and maintenance support service should be delivered by experienced OEM Certified Engineer • On-site diagnostics and repair service should be delivered by experienced OEM Certified Engineer and should diagnose, repair, and test the unit to ensure optimal performance. • Technical support experienced engineers should be available to answer our questions, giving us peace of mind knowing the help we need is there when we need it • Flexible on-site response times that best meets the business requirements • Service summary report should provide after each work performed including recommendations for service to ensure optimal performance • Maintenance Support Engineer should check and ensuring the unit is operating with the most recent 	01 Lot		



#	Requirements	Quantity	Compliance (Yes / No)	Manufacturer Part Number(s) and Reference(s)
	<p>firmware version. Firmware upgrades shall provide at no extra charge.</p> <ul style="list-style-type: none"> • During each maintenance visit, field service Engineers should run tests to verify our system is functioning correctly in all operational modes, stopping problems before they start. • Maintenance Support Engineer should follow well-defined set of processes and procedures to be able to provide quality services, as per Industry standard. • Replacements of parts; labour; travels & accommodation and components should be included in the annual AMC • The support service vendor shall maintain critical parts locally in Male' to provide after sale support. At minimum the following spare parts should be available for a period of three (3) year annual maintenance contract for immediate replacement <ul style="list-style-type: none"> ○ 1Nos Datacenter Switch ○ 1Nos Access Switch ○ 1Nos Wireless AP ○ 2Nos x 10GE SFP+ SR transceiver module ○ 1Nos x 40GE QSFP+ SR transceivers module ○ 1Nos x 40GE QSFP+ LR transceivers module ○ 1Nos x Cisco 10GE SFP+ LR transceivers module 			
1.13	<p>Maintaining of Field Technical Support Delivery Engineers (Locally Employed in Bidder's Organization)</p> <p>It is mandatory that the support service vendor should maintain the required support technical team as deemed as suited based on the requirements and milestones. It is expected that the support service vendor will maintain necessary resources for on-site technical support during annual maintenance contract period. The support service vendor MUST have full time Certified Professional/Engineer under its payroll.</p> <p><u>Primary required certificates of the engineer(s):</u></p> <ul style="list-style-type: none"> • Cisco CCNA Certified for Routing and Switching Certified • Cisco CCNA and CCNP Certified for Security Certified • OEM Certified Professional for the proposed Firewall Appliance • VMware Certified <p><u>Additional required certificates of the engineer for Connected Hardware:</u></p> <ul style="list-style-type: none"> • HPE Storage Solution Certified • HPE BladeSystem Certified • HPE Virtual Connect • HPE Entry Storage HPE MSA <p><u>The support service vendor shall submit the following documents:</u></p>	01 Lot		



#	Requirements	Quantity	Compliance (Yes / No)	Manufacturer Part Number(s) and Reference(s)
	<ul style="list-style-type: none"> Certifications copy of the relevant training ID card OR Passport Copy of the engineer 			
2.	Supply, Installation and Maintenance for Network Security Subscription	01 LOT		
2.1	Core Firewall Security Subscription Renewal	02 Nos		
2.1.1	3-Year Security Subscription - Web Filtering, Malware Protection, IPS, Antispam, Antivirus, Botnet, Virus Outbreak Protection, Application Control, Sandbox			
2.1.2	3-Year Support Subscription: 24x7 Support, Hardware Replacement, Firmware Upgrades			
2.1.3	3-Year 24 x 7 On-site Local Technical Support Services and Labor by OEM certified engineer(s)			
2.2	Edge Firewall Security Subscription	02 Nos		
2.2.1	3-Year Security Subscription - IPS, Advanced Malware Protection Service, Application Control			
2.2.2	3-Year Support Subscription: 24x7 Support, Hardware Replacement, Firmware Upgrades			
2.2.3	3-Year 24 x 7 On-site Local Technical Support Services and Labor by OEM certified engineer(s)			



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2. MINIMUM BIDDER'S QUALIFICATION REQUIREMENTS:

2.1. Experience:

The Proposer should provide approach and reference of successful implementation and technical support of similar system and should include descriptions of system implementations they have completed. The mentioned project references must include names and contact information of the respective clients.

2.2. Manufacturer's Authorization Letter / Certificate:

Bidder that does not manufacture or produce the Goods it offers to supply shall submit the Manufacturer's Authorization Letter or Certificate, to demonstrate that it has been duly authorized by the manufacturer or producer of the Goods/Services to supply these Goods/Services in the Maldives.

2.3. Completed similar projects (Value above MVR 200,000.00):

The bidder shall provide reference letter / documents of successful completion of similar system (network security or datacenter network related) within last five (5) years. The mentioned project references must include names and contact information of the respective clients, if requires the client can contact and verify the project summaries. The submitted reference documents shall be complying the followings:

- Document shall be from the client (signed and stamped)
- Client opinion on regarding the vendor performance and completion of the project.
- Project names and project value

2.4. Team Composition for Technical Support:

It is mandatory that the vendor will maintain the required technical team as deemed as suited based on the requirements and milestones. However, the client expects that the proposer would have allocated the following more team compositions having specific skill sets and professional experience. Importantly it is expected that the vendor will maintain necessary resources for on-site technical support during crucial stages of the project that requires closer interaction with the client during installation, configuration, integration, training, testing, etc. The bidder **MUST** have full time Vendor Certified Professional/Engineer under its payroll.

The bidder shall submit the following documents:

- Certifications copy of the relevant training
- ID card OR Passport Copy of the engineer



3. PROPOSAL SUBMISSION FORMAT:

The Bid document shall be rejected if it fails to meet the following minimum criteria and submit the required documents. The complete original proposal must be submitting in a sealed package. Bidder shall be marked "**SUPPLY INSTALLATION, CONFIGURATION, and MIGRATION of NETWORK HARDWARE and NETWORK SECURITY SUBSCRIPTION**". Vendor shall file all documents necessary to support their proposal and include them with their proposal.

Proposal shall be submitted in the following format and include the following information.

Detailed description of proposed equipment/services including scope of work and quotation shall be submitted. (*Quotation shall remain valid for a period of 90 days from date of submission of the Bid.*)

- a. Bid Form
- b. Price Schedule Form
- c. Support Service Response and Replacement Schedule
- d. Terms and Conditions
- e. Bill of Quantities and Services
- f. Service Level Expectations
- g. Support Subscription and Technical Support.
- h. Manufacturer's Authorization Letter / Certificate or supporting documents
- i. Team Composition for Technical Support – Include Certified Engineer CVs
- j. Reference of successful implementation of similar datacenter system and services

4. OTHER DOCUMENTS AND NOTES

4.1 The bidet should submit the following document and DNR shall confirm that the following legal documents and information have been provide in the Bid. If any of these documents or information is missing, the offer shall be rejected:

- a. Company Registration Certificate
- b. SME Registration Certificate
- c. GST Registration Certificate
- d. MIRA Tax Clarence Certificate (last 30 day)
- e. Last 2 Year Financial Statements
- f. Bid Security (if requires)
- g. All the other relevant documents required / mentioned to submit in this bid document

4.2 Each person attend for the bid submission meeting can submit only one bid document

4.3 A Bidder has a conflict of interest on one or more business entity, the bidder can submit one bid document.

4.4 The Successful bidder does not get any advance payment for this bid and the payment will be made after the completion of the project.

4.5 DNR has the right to change the scope of the project as the budget constraints

4.6 The bid will be evaluated by the total value of the project.

4.7 The bidder should submit Bid Security (MVR 125,000/-) and performance Security (2%) of the total value., if the bid value exceeds MVR 500,000/-. And the security should be verified bank or financial institution established in the Maldives. Also, the performance security should validate within the agreement period and extra 30 days after agreement end. Bid security should be valid for 30 days.

4.8 Price should be in **Maldivian Currency (MVR)**

4.9 If the contractor fails to deliver the project upon the agreed date, the fine will take under the following formula, and fine will take up to 15% of the total value. Also, DNR have the right to terminate the agreement, if the liquidate damage increases over 15% of the total agreement.

$$CP * 0.005 * LD$$

CP (Contractor price)

LD (Late duration)

4.10 Bid Submission:

Date:

Time:

Venue: Department of National Registration (Velaanaage 4th Floor)



5. EVALUATION CRITERIA

DNR shall evaluate the technical aspects of the Bid submitted in accordance with the RFQ, to confirm that all requirements specified in the RFQ, have been met without any material deviation or reservation.

Evaluation of the bid shall have been based on the following marking criteria.

Criteria	Marks
Price	70%
Technical (<i>marks break down below</i>)	30%
Total	100%

5.1 Price:

5.1.1 Each bidder's price is used to identify their relative position on a 0 – 70 price scale. This is done by allocating the lowest priced bid 70 points and calculating the remaining bidder's score in relation to this scale.

5.1.2 Price percentage = $70 \times (\text{lowest price} / \text{bid price})$

5.2 Technical (marks break down below)

Technical Criteria Detail	Marks
5.2.1 Completion of the Technical and Support Proposal including supporting documents	5%
Technical Support and maintenance	Mandatory
Trained/Qualified staff (Team Composition)	Mandatory
5.2.2 Completed Similar Systems and Support Services Projects <u>Minimum 5 reference letters/purchase orders/contract copy or completion certificate:</u> - 5 points for each reference letter / completion certificate signed and stamp by client - Completed similar systems and support services projects (value above MVR 200,000.00 per project) within the last five (5) years.	25%
Total	30%



6. HOW BID DOCUMENT WILL BE INVALID OR DISQUALIFIED

6.1 Department of National Registration shall confirm that the following documents and information have been provided in the Bid. If any of these documents or information is missing, the offer shall be rejected or deemed Invalid at evaluation stage.

- 6.1.1 Company Registration
- 6.1.2 Price Schedule Form specification
- 6.1.3 GST Registration
- 6.1.4 Scope of work
- 6.1.5 One-day delivery will be deemed as invalid hence it is not possible unless there is an affiliation which will lead to corruption.

Additional Information

1. All certificate copies and reference letters will be verified by contacting the relevant parties. Therefore, please provide contact information with certificate copies and reference letters.
2. All documents must be printed on one side.
3. Unless otherwise specified, the Bidder shall quote entirely in Maldivian Rufiyaa.

Notes:

1. If all goods and services are not supplied during the committed delivery period in the contract, Department of National Registration reserves the right not to accept the goods and annul the contract.

