



Ministry of Finance
Ameenee Magu, Male', Republic of Maldives
Telephone: (960) 334 9266, Fax: (960) 332 0706

މިނިސްޓްރީ ޕްރޮކިއުމަންޓް
އިމްޕްލޮއިމަންޓް، ޕްލާން، ޔަލްޖިރާފިޔާ

ADDENDUM 4

ފަންނަވަނަ 4

ނަންބަރު	No: TES/2021/G-006	
ޕްރޮޖެކްޓް ނަންބަރު	Project: Procurement of ICT Equipments for MNDF JOC (Lot 1 – 6)	
ޕްރޮޖެކްޓް ނަންބަރު	Issued Date: June 20, 2021	
ސަފްހާގެ އަދަދު	ބީޕީ ޕްލާން	ޖެޓްޑްރޯވިންގ
No. of Pages: -08	BoQ: -0	Drawings: -00

Please include this amendment when submitting the bid. ބިދު ހުށަހަޅާ ފަހަރު މި ފަންނަވަނަ ބޭނުންކުރަންޖެހޭނެނެވެ.

- Attached with, please find;**
- **Changes brought to the Data Sheet**
 - **Revised Technical Requirement**



ނަންބަރު
Name: Fathimath Rishfa Ahmed

ސަފްހާ
Signature:

Section II – Bid Data Sheet

ITT Clause	Tender data that supplements the ITT
ITT 24.1	<p>For Tender <u>submission purposes</u> only, the Employer's address is:</p> <p>Ms.Fathimath Rishfa Ahmed, Chief Procurement Executive, National Tender Ministry of Finance Ameenee Magu, Male', 20379 Republic of Maldives Tel: (960) 334 9125, (960) 334 9106 E-mail: ibrahim.aflah@finance.gov.mv tender@finance.gov.mv</p> <p>Date: 30th June 2021 Time: 1000 hrs (Local Time)</p>
ITT 27.1	<p>The Tender opening shall take place at: Street Address:</p> <p>National Tender Ministry of Finance Ameenee Magu, Male', 20379 Republic of Maldives</p> <p>Date: 30th June 2021 Time: 1000 hrs (Local Time)</p>



Revised Technical Requirements

LOT 1: NETWORK CORE EQUIPMENTS (Switches, Firewall)

Brand	Part Code	Description	Qty		Compliance Yes / No
1. Cisco Catalyst 9500 24x1/10/25G and 4-port 40/100G, Advantage Switch - QTY 04					
Cisco	C9500-24Y4C-A	Catalyst 9500 24x1/10/25G and 4-port 40/100G, Advantage	04	Nos	
Cisco	CON-SSSNT-C95024YA	SOLN SUPP 8X5XNBD Catalyst 9500 24-port 25/100G only, Adva	04	Nos	
Cisco	C9500-NW-A	C9500 Network Stack, Advantage	04	Nos	
Cisco	SC9500HUK9-173	Cisco Catalyst 9500H XE.17.3 UNIVERSAL	04	Nos	
Cisco	C9K-PWR-650WAC-R	650W AC Config 4 Power Supply front to back cooling	04	Nos	
Cisco	C9K-PWR-650WAC-R/2	650W AC Config 4 Power Supply front to back cooling	04	Nos	
Cisco	CAB-9K10A-UK	Power Cord, 250VAC 10A BS1363 Plug (13 A fuse), UK	08	Nos	
Cisco	C9K-F1-SSD-BLANK	Cisco pluggable SSD storage	04	Nos	
Cisco	C9K-T1-FANTRAY	Catalyst 9500 Type 4 front to back cooling Fan	08	Nos	
Cisco	C9500-DNA-24Y4C-A	C9500 DNA Advantage, Term License	04	Nos	
Cisco	CON-SSTCM-C9512QA	SOLN SUPP SW SUBC9500 DNA Advantage	04	Nos	
Cisco	C9500-DNA-L-A-3Y	Cisco Catalyst 9500 DNA Advantage 3 Year License	04	Nos	
Cisco	PI-LFAS-T	Prime Infrastructure Lifecycle & Assurance Term - Smart Lic	12	Nos	
Cisco	PI-LFAS-AP-T-3Y	PI Dev Lic for Lifecycle & Assurance Term 3Y	12	Nos	
Cisco	NETWORK-PNP-LIC	Network Plug-n-Play Connect for zero-touch device deployment	04	Nos	
2. Cisco Catalyst 9300 24-port mGig and UPOE, Network Advantage Switch - QTY 05					
Cisco	C9300-24UX-A	Catalyst 9300 24-port mGig and UPOE, Network Advantage	05	Nos	
Cisco	CON-SSSNT-C93024XU	SOLN SUPP 8X5XNBD Catalyst 9300 24-port mGig and UPOE, Net	05	Nos	
Cisco	C9300-NW-A-24	C9300 Network Advantage, 24-port license	05	Nos	
Cisco	S9300UK9-1612	Cisco Catalyst 9300 XE 16.12 UNIVERSAL	05	Nos	
Cisco	PWR-C1-1100WAC-P	1100W AC 80+ platinum Config 1 Power Supply	05	Nos	
Cisco	PWR-C1-1100WAC-P/2	1100W AC 80+ platinum Config 1 Secondary Power Supply	05	Nos	
Cisco	CAB-TA-UK	United Kingdom AC Type A Power Cable	10	Nos	
Cisco	STACK-T1-50CM	50CM Type 1 Stacking Cable	05	Nos	
Cisco	CAB-SPWR-30CM	Catalyst Stack Power Cable 30 CM	05	Nos	
Cisco	C9300-DNA-A-24	C9300 DNA Advantage, 24-port Term Licenses	05	Nos	
Cisco	CON-SSTCM-C93A24	SOLN SUPP SW SUBC9300 DNA Advantage	05	Nos	
Cisco	C9300-DNA-A-24-3Y	C9300 DNA Advantage, 24-Port, 3 Year Term License	05	Nos	
Cisco	PI-LFAS-T	Prime Infrastructure Lifecycle & Assurance Term - Smart Lic	05	Nos	
Cisco	PI-LFAS-AP-T-3Y	PI Dev Lic for Lifecycle & Assurance Term 3Y	05	Nos	
Cisco	C9300-NM-8X	Catalyst 9300 8 x 10GE Network Module	05	Nos	

	NETWORK-PNP-LIC	Network Plug-n-Play Connect for zero-touch device deployment	05	Nos	
	C9300-SSD-NONE	No SSD Card Selected	05	Nos	
3. 10G-SFP Bidirectional Module – 40km – QTY 10					
FS	FS P/N: SFP-10G-BX40D	Cisco SFP-10G-BX40D Compatible 10GBASE-BX40-D BiDi SFP+ 1330nm-TX/1270nm-RX 40km DOM LC SMF Transceiver Module	10	Nos	
4. 10G-SFP Bidirectional Module – 40km					
FS	FS P/N: SFP-10G-BX40U	Cisco SFP-10G-BX40U Compatible 10GBASE-BX40-U BiDi SFP+ 1270nm-TX/1330nm-RX 40km DOM LC SMF Transceiver Module	10	Nos	
5. 10GBASE-LR SFP Module					
FS	FS P/N: SFP-10G-LR-S	Cisco SFP-10G-LR-S Compatible, 10GBASE-LR SFP+ 1310nm 10km DOM LC SMF Transceiver Module	20	Nos	
6. 10GBASE-T SFP+ Transceiver Module					
FS	FS P/N: SFP-10G-T	Cisco SFP-10G-T-S Compatible, SFP+ Copper RJ-45 30m Transceiver Module	30	Nos	

LOT 2: SERVER & STORAGE

Brand	Part Code	Description	Qty	Compliance Yes / No
1. Dell EMC PE R740 Server – QTY 02				
Dell	R740	Dell EMC PE R740 Rack Server Processor: Dual Intel Xeon Silver 4210 2.2G, 10C/20T, 9.6GT/s, 13.75M Cache, Turbo, HT (85W) DDR4-2400 RAM: 192GB RDIMM, 3200MT/s Raid Controller: PERC H740P RAID Controller, 8GB NV Cache SSD: 2 x 240GB SSD 2.5inch, Hot-Plug SD Cards: 2 x 16GB SD Cards Network 1G: Quad Port 1Gbps NIC Network 10G: Dual Port SFP+ 10Gbps HBA FC 16G: 2 x Single Port 16Gbps FC Remote Management: iDRAC 9 Enterprise Power Supply: Dual, Hot-plug Redundant Warranty: 3 Years Parts / 3 Years 3 years onsite service	02	Nos
2. DELL EMC PV ME4024 Hybrid SAN Storage – QTY 01				
Dell	ME4024	DELL EMC PV ME4024 Hybrid SAN Storage Dual Active-Active Controllers Minimum 8GB DRAM Cache Per Controller 4 x 10GbE SFP+ Ports 4 x 16Gb/s FC SFP+ 17 x 1.2TB 10K SAS, 2.5" Hot plug Drives 7 x 960GB SSD SAS, 2.5" Hot plug Drives.	01	Nos
3. VMware vSphere 7 Essentials Plus Kit – QTY 01				
VMware		VMware vSphere 7 Essentials Plus Kit (3 Host, 6 Processors) 3 Years Production Support	01	Nos

LOT 3: VIDEO WALL DISPLAY

Brand	Part Code	Description	Qty		Compliance Yes / No
1. Ultra-Narrow Bezel Video Wall Display – QTY 16					
LG	55SVH7F	LG 55" SVH7F Series 0.44mm Even Bezel FHD IPS Video Wall with built-in SoC and webOS Smart Signage Platform, 700nits, Gap reduction and Smart Calibration Interface: HDMI (2) / DP / DVI-D / USB / RS232C / RJ45 / Audio / IR	16	Nos	
Chief	LVS1U	ConnexSys Video Wall Landscape Mounting System with Rail Supports 42 to 80" Displays Up to 150 lb Extends Display 13.4" from Wall 200 x 100 to 700 x 400 mm Mount Pattern Provides -2.5 to 4° Tilt Adjustment	16	Nos	
2. 86" Touch Interactive Display – QTY 08					
LG	86TR3BF	LG 86TR3BF 86" UHD Touch Interactive Display Brightness (w/Protection Glass): 330 cd/m ² Touch Type: IR Multi Touch Point: Max 20 Points / Max 10 Writing Interface: HDMI (3), RGB / Audio In, RS232C In, USB 2.0 (3, Front: 2ea, Bottom side: 1ea Only for software update), USB 3.0 (3), Touch Out (USB2.0, B Type) (2), HDMI (1), Optical Output / Audio Out	08	Nos	
Titan	SGB801	FIXED MOUNT Automatically Click-in Spring Lock Pull-down cords allow easy installation Recommended Size: 60" - 100" Rated Maximum Load: 75KG	08	Nos	
3. 43" UHD Commercial Digital Signage TV – QTY 30					
LG	43UT640S	43" UT640S Series UHD Commercial Signage TV Brightness (cd/m²): 350 Wake-on-LAN Crestron Connected® (Network Based Control) Content Management/Group Management SuperSign Control Simple Network Management Protocol (SNMP)	30	Nos	
Titan	SGB401	FIXED MOUNT Required Size: 32" - 55" Rated Maximum Load: 35KG	30	Nos	
4. 2K Input Node for KVM Over IP – QTY 23					
AVCIT	DSII-HDMI-IN 2K HDMI	2K Input Node for KVM Over IP AVCIT HDMI Input Node for IP based KVM Collaboration System	23	Nos	
5. 2K Output Node for KVM Over IP – QTY 20					
AVCIT	DSII-HDMI-OUT 2K HDMI	2K Output Node for KVM Over IP AVCIT HDMI Output Node for IP based KVM Collaboration System	20	Nos	
6. 4K Output Node for KVM Over IP – QTY 05					
AVCIT	DSII-HDMI-OUT 4K HDMI	4K Output Node AVCIT HDMI Output Node for IP based KVM Collaboration System for KVM Over IP	5	Nos	
7. KVM Over IP Management Software – QTY 02					
AVCIT	DTB-EL	KVM Over IP Management Software Software License for IP Based KVM Collaboration	2	Nos	

		System			
--	--	--------	--	--	--

LOT 4: CLIENT SYSTEMS

Brand	Part Code	Description	Qty		Compliance Yes / No
1. Micro Desktop Computers – QTY 50					
Dell / Lenovo		Mini Computer System Form Factor: Micro / Mini Processor: 10th Generation Intel® Core™ i5-10500T (6-Core, 12MB Cache, 2.3GHz to 3.8GHz, 35W) Memory: 8GB, DDR4 Hard Disk: M.2 256GB PCIe NVMe Class 35 Solid State Drive Wired Keyboard, Mouse Ports: RJ-45 port 10/100/1000 Mbps, USB 3.0, USB 2.0, HDMI (1), DisplayPort (1), Audio Port OS: Genuine Windows 10 Pro 64bit English Office: Genuine Microsoft Office 2019	50	Nos	
Dell / Lenovo		22 Inch LED Monitor Interface: DisplayPort (1), VGA or HMDI	100	Nos	

LOT 5: VOICE & VIDEO COMMUNICATION SYSTEM

Brand	Part Code	Description	Qty		Compliance Yes / No
1. Video Conferencing MCU with 10 Site License – QTY 01					
Aver	EVC950	Aver EVC950 - 10-Site MCU embedded, Camera: 18X zoom with 2 mega pixel PTZ, Video resolution: Full HD 1080p (1920 x 1080) at 30fps, Content sharing resolution: HD 1080p (1920 x 1080) and dual display support, Table hub (embedded 10W speaker, microphone, extended I/O), Communication: H.323 & SIP standards, Video Standard: H.264, H.263+, H.263, H.261, H.239 dual video streams, G.711, G.722, G.722.1, G.728, G.722.1C, embedded meeting recording and layout-changeable playback, snapshot sharing.	01	Nos	
		Additional MIC array Aver EVC Microphone - Directional MIC, package w/o cable, EVCseries	03	Nos	
		10M, 8pin, EVC series MIC cable (10M)	03	Nos	
		Aver EVC Camera Mount	01	Nos	
2. Video Conferencing Endpoint - QTY 08					
Aver	EVC150	Aver EVC150 – Endpoint Camera: 18X zoom with 2 mega pixel PTZ auto focus, P2P, Video resolution: HD1080p30fps, Content sharing resolution: WSXGA (1440 x 900) and dual display support, Table hub, MIC x 1, Communication: H.323 and SIP standards, Video	08	Nos	

		standard: H.264, H.263, H.263+, H.261, H.239 dual video streams			
		Additional MIC array Aver EVC Microphone - Directional MIC, package w/o cable, EVCseries	24	Nos	
		10M, 8pin, EVC series MIC cable (10M)	24	Nos	
		Aver EVC Camera Mount	08	Nos	
3. USB Video Conferencing Camera – QTY 05					
Aver	VC540	Aver VC540, 4K Conference Camera with Bluetooth® Speakerphone USB 3.1 4K 30fps, 1080p 60fps. 16X total zoom. Mid to Large room applications. Up to 24 participants. FOV: 86", Pan 320°Tilt 160° (+90°-30°), Up to 10 Camera Presets. Smart Frame: Automatically adjust image to show all participants. Simply Plug and Play, RS 232 Integration "	05	Nos	
Aver	60U0100000AB	Additional Expansion Speakerphone incl. 10m cable Bluetooth & USB cable connections to PC Two omnidirectional microphones support 360° pickup, Full duplex echo cancellation/ advanced noise suppression. Daisy chain Speakerphone and Microphone, Touch controls for volume up/down, mute, phone input, call, and hang-up. 12V5A Power Adapter, LAN for IP remote access. 3.5mm phone-in jack/ 3mm line out."	05		
4. AI Auto Tracking Video Conferencing PTZ Camera – QTY 01					
Aver	PTC310U	Aver AI Auto Tracking PTZ Camera AI Tracking, 4K, 12x Zoom, 2x Sensor Zoom	01		
5. High-end IP Phone – QTY 20					
Grand stream	GXP2135	Grandstream GXP2135 IP Phone 8 lines, 4 SIP accounts, 4 XML programmable context-sensitive soft keys Dual switched, auto-sensing Gigabit ports, built-in PoE Built-in Bluetooth for syncing headsets and mobile devices for contact books, calendars & call transferring HD audio on the handset and speakerphone; full duplex speakerphone	20		
6. Carrier Grade IP Phone – QTY 05					
Grand stream	GRP2615	Grandstream GRP2615 Carrier Grade IP Phone HD audio, handset and speakerphone with support for wide-band audio 10-line keys with up to 5 SIP accounts Enterprise-level protection including secure boot, dual firmware images, and encrypted data storage Dual switched auto-sensing 10/100/1000 Mbps Gigabit Ethernet ports with integrated PoE Integrated Bluetooth	05	Nos	

	GBX20	GBX20 Extension Module for GRP2615 Phone	05	Nos	
7. 4G/Wi-Fi Tactical Helmet Camera					
Combat Eye	CombatEyeSL	COMBATEYE SL 4G/WIFI TACTICAL HELMET CAMERA 4G/WIFI Tactical Helmet Camera with Bluetooth earphone and push to talk finger ring	05		

LOT 6: OTHERS (Server Rack & UPS Battery)

Brand	Part Code	Description	Qty	Compliance Yes / No
1. APC NetShelter SX 42U Rack Enclosure - QTY 02				
APC	AR3100	APC NetShelter SX 42U 600mm Wide x 1070mm Deep Enclosure	02	Nos
2. Sealed Lead Acid Battery – QTY 250				
		Sealed Lead Acid Battery 12V 7.5Ah / 20HR 2.75' 3.75' 6'	250	Nos