











## ANNEX 1

**Networking Installation**

Secretariate Of The Maafushi Council

K-Maafushi

NO	DESCRIPTION	Quantity
1	<b>NETWORK CABLING AND INSTALLATIONS</b>	
	12U Server Rack or Server Rack compatible with all listed items	1
	24-Port Network Switch with PoEs	2
	Single Network Faceplate with wall mount box & keystone	16
	Single Network Faceplate with wall mount box & keystone for DA	5
	CAT6 Cable	To quote by the contractor
	RJ-45 connectors	To quote by the contractor
	Wireless AP (2.4Ghz / 5Ghz)	3
	<b>Synology Hybrid (SHR) NAS</b> with the capacity to enter four Drives	1
	<b>NAS Internal Hard Drive (ready for RAID)</b> Capacity: 4 TB or higher Interface: SATA 6Gbps or higher Cache: 256mb or higher RPM: 5400 or higher	4
4	<b>UPS</b> Should be able to hold NAS ongoing for 60 min in case of power loss	1
5	<b>IP Phones</b> IP Phones Installation on tables and setup	16
6	<b>CCTV Camera System with NVR</b>	
	16 Channel NVR Hikvision	1
	Night vision Hikvision Bullet Camera	6
	Night Vision Hikvision dome camera	8

7	<b>Firewall (Dell)</b> <b>Sonicwall Security Appliance -TZ270</b>	1
---	--	---

**Network Cabling & Installation:**

1. Network Installation
2. Since Faceplates for termination should be used, PATCH CORDS long enough to reach the workstation shall be included in the quotation.
3. All cables are required to travel through casings & floor casing is required for floor paths.
4. A24-Port Network Switch that supports PoE shall be supplied by the vendor.
5. 12U rack or Server Rack compatible to accommodate the network equipment shall be included in the Bid.
6. Cable accessories, PVC Casings, RJ45 Jacks, Power terminations must be included in the Bid.
7. Wireless Access Point with 2.4Ghz & 5Ghz suitable for Office Environment
8. Install NAS with UPS and create file servers as to the need of BCM.
9. 16 IP Phones
10. Suggested Floor casings 20 mm x 8 mm or supplier to quote after inspection.
11. Suggested PVC Casing 24 mm x 13 mm (6-6ft) or supplier to quote after inspection.

07-03-2022