

TECHNICAL SPECIFICATION FOR QUATERLY ITEMS - BNS HAJI MOHSIN/ DIRECTORATE OF NAVAL INFORMATION AND TECHNOLOGY

1. UTP Cable Cat - 6+ – 04 Box

Ser	Specification	Description
1.	Name of Item	UTP Cable Cat - 6
2.	Brand	Rosenberger Cat6
3.	Model	LSZH Cable CP11-141-13
5.	Country of Origin	To be Mentioned
6.	Quantity	04 Box (305 mtr Per Box)
7.	Type	Network Cable
8.	Length	305 Meter (Each Box)
9.	Cable Shielding	UTP (Unshielded Twisted Pair)
10.	Feature	Rosenberger Cat6 UTP LSZH Cable CP11-141-13
11.	Color	Off White
12.	Made in/ Assemble	Taiwan

2. UTP Cable Cat - 5+ – 02 Box

Ser	Specification	Description
1.	Name of Item	UTP Cable Cat - 5+
2.	Brand	Rosenberger Cat 5+
3.	Model	LSZH Cable CP11-141-13
4.	Manufacture	To be Mentioned
5.	Country of Origin	To be Mentioned
6.	Quantity	02 Box (305 mtr Per Box)
7.	Type	Network Cable
8.	Length	305 Meter (Each Box)
9.	Cable Shielding	UTP (Unshielded Twisted Pair)
10.	Feature	Rosenberger Cat6 UTP LSZH Cable CP 11-141-13
11.	Color	Off White
12.	Made in/ Assemble	Taiwan

3. Connector RJ 45 – 06 Box

Ser	Specification	Description
1.	Name of Items	Connector RJ 45
2.	Brand	To be Mentioned
3.	Model	Micronet Cat 6 RJ45 Cable Connector
4.	Manufacture	Name and Full Address of Manufacturer is to be Mentioned
5.	Country of Origin	To be mentioned
6.	Feature	Micronet high-quality RJ45 plugs Gigabit Ethernet network Plug maintains high bandwidth
7.	Quantity	06 Box (100 Piece Per Box)
7.	Category	Cat.6

4. **Gigabit Media Converter - Pair (A & B) -04 Pair**

Ser	Specification	Description
1.	Name of Items	Gigabit Media Converter
2.	Model	To be Mentioned
3.	Manufacture	To be mentioned
4.	Country Of Origin	To be mentioned
5.	Quantity	04 (Four) Pair
6.	Type	Media Converter
7.	Feature	Compatible with Mikrotik Router
8.	Standards and Protocols	IEEE 802.3i, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3z
9.	Basic Function	Extends Fiber Distance up to 9.3 Miles (15km)
10.	Ports	1 x 10/100/1000M RJ45 port (Auto MDI/MDIX)
11.	Wave Length	A-1310nm, B-1550nm
12.	Network Media 1000BASE-LX	Single-Mode Fiber
13.	Network Media 1000BASE-T	UTP category 5/6, 5e/6e Cable (Maximum 100m) EIA/TIA-568 100Ω STP (Maximum 100m)
14.	LED Indicators	PWR, Link/Act/Fx/Tx
15.	Dimensions (W*D*H)	3.7 × 2.9 × 1.1 in (95 × 73 × 27 mm)
16.	Power Supply	External Power Adapter (power will be less then 3db)
17.	Max Power Consumption	1.8W
18.	Safety & Emission	FCC, CE, RoHS
19.	Environment	Operating Temperature: 0°C~40°C (32°F~104°F) Storage Temperature: -40°C~70°C (-40°F~158°F) Operating Humidity: 10%~90% Non-Condensing Storage Humidity: 5%~90% Non-Condensing
20.	Warranty	1 year

5. **16-Port Gigabit Ethernet Rack mount Unmanaged Switch - 04 in No**

Ser	Specification	Description
1.	Name of Items	Netgear GS116LP 16-Port Gigabit Ethernet Rack mount Unmanaged Switch
2.	Brand	To be Mentioned
3.	Model	Netgear GS116LP 16-Port
4.	Manufacture	To be mentioned
5.	Country Of Origin	To be mentioned
6.	Quantity	04 (Four) in Number
7.	Interface	Ports 10/100/1000 Ethernet, Power port for AC Adapter or Power Cord
8.	Port	16 x RJ-45 Connectors for 10BASE-T/100BASE-TX/1000BASE-T Ports
9.	Network Standard	IEEE 802.3 10BASE-T Ethernet, IEEE 802.3u 100BASE-TX Fast Ethernet, IEEE 802.3ab 1000BASE-T Gigabit Ethernet, IEEE 802.3z Gigabit Ethernet, IEEE

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		802.3x Flow Control, 802.1p priority, Energy Efficient Ethernet
10.	Feature	16 x Gigabit Ethernet PoE+ Ports, 32 Gb/s Bandwidth, Store-and-Forward Support, 76W Total PoE Power Budget, 10/100/1000 mbps
11.	Power Supply	110-240VAC, 50-60 Hz
12.	Warranty	01 Year

6. **08 PORTS Gigabit Ethernet SWITCH – 10 in No**

Ser	Specification	Description
1.	Name of Items	08 Port Gigabit Unmanaged Desktop Switch
2.	Brand	To be Mentioned
3.	Model	To be Mentioned
4.	Manufacture	To be mentioned
5.	Country of Origin	To be mentioned
6.	Quantity	10 (Ten) in Number
7.	Port	8 ports with 123W total power budget
8.	Form Factor	Gigabit Unmanaged Desktop
9.	Interface	10/100/1000
10.	Data Link Protocol	IEEE 802.3, 3u, 3ab, 3z, 3x, 1p
11.	Others	Simple plug-and-play setup with no software to install or configuration needed Supports desktop, wall or rack mount placement, and includes all the necessary mounting hardware in the box Energy efficient design compliant with IEEE802.3az Silent operation ideal for noise sensitive environment
12.	Warranty	01 Year

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7. RG - 58 Coaxial cable with Power cable for CCTV - 01 Coil

Ser	Required features	Remarks
1.	Name of Item	RG -58 Coaxial Cable with power cable for CCTV
2.	Brand	To be mentioned
3.	Model	To be mentioned
4.	Country Of Origin	To be mentioned
5.	Feature	RG59 : 0.81CCS+3.66FPE + 128*0.12CCA+6.0PVC(Black) Power: 2x18awg / 2x0.75mm ² , 2x1mm ² available
6.	Quantity	01 Coil (500 Meter Per coil)

8. Permanent marker - 03 in No

Ser	Required features	Remarks
1.	Name of Items	Permanent marker
2.	Brand	To be Mentioned
3.	Model	To be Mentioned
4.	Manufacture	To be mentioned
5.	Country of Origin	Japan
6.	Quantity	03 in No

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