

QUANTITIES FOR UGIFT ITEMS

NO.	ITEM	QUANTITY
1.	DESKTOP COMPUTERS	28
2.	UPS	28
3.	PROJECTOR	01
4.	DESK PRINTER (MFP)	01
5.	SWITCH (24 PORT)	02
6.	SERVER-high end desktop	01
7.	SERVER UPS	01
8.	POWER SURGE PROTECTOR	10
9.	WIRELESS ROUTER	02
10.	AIR CONDITIONER	01
11.	CCTV CAMERA	01
12.	PATCH PANEL 48 PORT	02
13.	INTERNET CONNECT	ONE OFF

MINIMUM SPECIFICATIONS FOR INSTITUTIONS UNDER UGIFT

1) DESKTOP (28)

Processor	:	Intel Core i5 Processor, 7th Generation (<i>Minimum</i>)
RAM	:	8GB RAM
Hard drive	:	500 GB (HDD internal)
Display	:	15 inch (HDM)
Graphics	:	Integrated Graphics
Networking	:	Integrated Intel Gigabit Network Connection, 802.11 a/b/ g/n Wi-Fi
Wireless Protocol	:	IEEE 802.11 a/b/g/n
Sound card	:	Integrated Sound card
Card reader	:	Card Reader slots
Anti-virus	:	Bit defender (<i>highly recommended</i>)
Operating systems:		Genuine Windows 10 Professional 64bit. Minimum (<i>licensed</i>)
Windows	:	MS Office 2019 professional (<i>licensed</i>)
Key board	:	In-built QWERTY
Mouse	:	USB Optical Scroll Mouse 3.0 <i>capable</i>
Warranty	:	One Year

2) UPS (28)

Power provided	:	At least 650 VA
Input Voltage	:	Swing AC 196 - 280 V
Output voltage Range	:	AC 230 V
Localization	:	220 - 240V / 50Hz
Output Frequency	:	50 - 60HZ auto-sensing
Battery Module	:	Minimum 16 minutes backup time on 50% rated output Minimum 5 minutes backup time on 100% rated output Minimum 3 year lifetime Type (Sealed lead-acid preferred) Automatic periodic battery tests Short recharge time (Maximum 5 hours for 100% runtime)
Protection	:	protection against excessive/damaging discharge Protection Output Overload Input/output short-circuit

Communication Interface: Serial port communications support
Warranty : 1 Year On-site Repair & Replace Original detailed and highlighted Brochures MUST be submitted

3) PROJECTOR (01)

Resolution : 1280 x 800 pixels (HD)
Aspect ratio : 16:9 (Minimum)
Rated Brightness : 2500-3000 ANSI lumens (Minimum)
Interfaces : USB Connector: 2 (*in and out*)
Video Modes : 720p, 1080i, 1080 p/24, 1080p/25, 480p, 480 I
Zoom : Digital/Manual
Input/output : VGA, USB, Audio (in/out)
Lamp life : 3000 hours (high light output mode) *minimum*
Computer Interfaces : Analoge VGA, HDMI, USB
Video inputs : Component, Composite, HDMI, S-Video, USB
Wireless Remote Control : Yes
Warranty : 1 Year

4) DESK PRINTER – COPY,SCAN,PRINT (BLACK & WHITE) (1)

Print Speed : 33ppm (Minimum)
Resolution : 1200 X 1200
Paper Size : A4
Print Technology : Laser
Processor : 300 MHZ
Standard Memory : 256MB
Network ready Standard : Standard (Enterprise level)
Duplex printing : Automatic
OS Drivers : WIN 7, 8 and above
Interface : USB port, Ethernet port (RJ-45)
Bluetooth Support, WiFi
Cables : Power Cables, printer Cable
Installation CD : Included

Warranty : 1 Year

5) NETWORK SWITCH (02)

- Core L2 Switch ‘
- 24 Port Gigabit Ethernet
- L3 1RU chassis.
- PoE manageable
- 24 RJ45 10/100/1000 BaseT ports
- 2x10G SFP+ ports
- 2 stacking ports.
- Includes AC power supply
- Micro-USB to USB console adaptor and console cable

6) SERVER UPS (01)

Server UPS

Input Voltage	:	AC 120 V
Output Voltage	:	AC 120 V
Power Capacity	:	2700 Watt / 3000 VA
Input Connectors	:	1 x power NEMA L5-30
Output connectors	:	1 x power NEMA L5-30 8 x power NEMA 5-20R
Battery	:	Lead acid
Networking	:	RS-232, USB
Environmental Standards	:	ENERGY STAR
Manufacturer Warranty	:	3-year warranty

7) POWER SURGE PROTECTOR (10)

Wall Mounting Option	:	yes
Maximum Load (Wattage)	:	13A/15A: 3120 Watts, 240 Volt
Surge protection	:	yes
Power strip/strip codes	:	yes

8) WIRELESS ROUTER (02)

Frequency Band	:	2.4 GHz / 5 GHz
Encryption Algorithm	:	WPA,WPA2
Form Factor	:	desktop, wall-mountable
Type	:	wireless router
Connectivity Technology	:	wired, wireless
Data Link Protocol	:	Ethernet, Fast Ethernet, Gigabit Ethernet, IEEE 802.11a, IEEE 802.11ac , IEEE 802.11b, IEEE 802.11g, IEEE 802.11n
Features	:	IPv6 support, Quality of Service (QoS), RangeBooster technology, SimpleTap technology, Stateful Packet Inspection Firewall (SPIF), Wi-Fi Protected Setup (WPS), wall mountable
Compliant Standards	:	DLNA CERTIFIED, IEEE 802.11a, IEEE 802.11ac , IEEE 802.11b, IEEE 802.11g, IEEE 802.11n
Wireless Protocol	:	802.11a/b/g/n/ac
WAN Ports Qty	:	1
Integrated Switch	:	4-port switch
Key Features	:	USB port
Power Device	:	external power adapter
Modem	:	Antenna Qty 6
MIMO	:	3 x 3
Interface	:	Ethernet 10Base-T/100Base-TX/1000Base-T
Connector Type	:	4 pin USB Type A, RJ-45
Limited warranty	:	1 year

9) AIR CONDITIONER (01)

Specifications:

Specifications - 24,000 BTU Unit:

Operating temperature range, cooling : 14°F to 115°F

Nominal Capacity, cooling:	24,000 BTH
Capacity range, cooling :	4,405 BTU to 27,000 BTU
SEER rating -	16.0
Operating temperature range, heating:	5°F to 75°F
Nominal capacity heating:	27,000
Capacity range heating:	5,700 BTU to 34,000 BTU
HSPF rating:	7.8
Voltage:	single phase, 208 - 230 V
Max Breaker Size:	20 Amp
Refrigerant type:	R410A
Pipe Connections:	1/4" and 3/8" up to 98 ft in length. Uses R410A flare connection.

10) CCTV CAMERA (01)

DIGITAL VIDEO RECORDER – DVR (Minimum requirements)

Technical Specifications

Video Compression: H.264

Pixels: 2mps

Analog Video Input: 16 Channel

HDMI/VGA Output: 1 @ upto 1920 x 1080P

Encoding Resolution: 720P / WD1 / 4CIF / CIF

Dual Stream: Supported

Stream type: Video

Synchronous Playback: 16 Channel

Playback resolution: 720P

Network protocols: TCP/IP, PPPoE, DHCP, EZVIZ Cloud P2P, DNS, DDNS, NTP, SADP, SNMP, SMTP, NFS,ISCSI, UPnP, HTTPS

Hard Disk: 1 SATA Interface

Capacity: Up to 6 TB capacity for each disk

Network Interface: 1:10M / 100M self-adaptive Ethernet interface

USB port : 2 x USB 2.0

Power Supply: 12 VDC

VARIFOCAL LENS – HIGH DEFINITION CAMERA (Minimum requirements)

Technical Specifications

Image Sensor: 1/3" Progressive Scan CMOS

Pixels: 2mps

Effective Pixels: 1280 (h) x 720 (v)

Min. Illumination: 0.001 lux @ (F1.2, AGC ON), 0 Lux with IR

Shutter speed: 1/25 (1/30)s to 1/50,000 s

Lens: 2.8 mm to 12 mm @ F 1.4

Angle of view: 80 – 27.2 degree

Lens mount: M12

Angle adjustment: Pan 0 – 360 degree, Tilt 0 – 75 degree, Rotation 0 – 360 degree

Day & Night: ICR

Synchronization: Internal synchronization

Video frame rate: 720p @ 25 fps / 720p @ 30 fps

HD video output: 1 Turbo HD output

S/N Ration: More than 52 db

Power Supply: 12 VDC

Quantity1

DVR with hard disk (with 60 days backup), , 1 Dome Cameras, One Display System (Monitor 18", CPU (OS linux), Keyboard, Mouse)Quotation should be given for complete wiring along with wire price and power supply of all devices (as required). Warranty of ONE years should quoted. Installation charges should be inclusive in price

11) INTERNET CONNECTION (DOING SITE SURVEY TO GIVE THE SPECIFICATIONS)

Work Place

- Dual Data Points Double DATA, Snap in connector, Modular Out let with Shutter and Cover Plate
- Dual Data Points Single DATA, Snap in connector, Modular Out let with Shutter and Cover Plate
- Data Administration
- Patch cord-3M CAT 6 RJ45 Patch cord, 3 meter
- Patch cord-1M CAT 6 RJ45 Patch cord, 1meter

Cable Pathway

- Marshall Tufflex 2 compartment trunking 100x50mm 2.98mtr -50 pcs
- Marshall Tufflex End Cap 100x50mm-20 pcs
- Marshall Tufflex internal angle-20 pcs
- Marshall Tufflex Single Ganag Accessory Box-50 pcs
- CAT -6 cable CAT-6 UTP (Box of 305Mtrs) -3 boxes
- CAT 6 Cable CAT-6 FTP (Box of 305Mtrs) Uplinks-1 box
- Patch Panel CAT 6 48 Port patch panel
- CAT 6 24 Port patch panel- 2 pcs
- Cable manager Patch guide -2 pcs
- Multipair Multipair cable 50 pair -100

Installation Materials

- Masking Tapes (pcs)-20 pcs
- Self-Tapping Screws(pcs)-500
- Wall-Plugs(pkts)-20
- Flexible pipe 32mm-10 pcs
- Cable ties (medium)-10 pkts
- Cable ties (biggest size)-5 pkts
- Labelling (pcs)-5

12) CAT 6 24 PORT PATCH PANEL (02)

13)SERVER (01)

Processor:	10th Generation Intel® Core™ i7-10100, 6 MB Cache, 8 Cores, 8 Threads, 3.6 GHz to 4.3 GHz, 65 with Chipset - Intel® B460 Chipset
Memory:	8 GB, 1 x 8 GB, DDR4, 2666 MHz (Upgradable up to 32GB RAM)
Hard Disk:	2 TB, 7200 RPM, SATA HDD expandable slots
Graphics Card:	Intel® UHD Graphics 630
Integrated Network:	Integrated Intel Ethernet LAN 10/100/1000
Wireless:	Intel® Wi-Fi 6 AX200 2x2 (Gig+) + Bluetooth 5.1
Optical drive:	DVD-ROM 9.5mm ODD
I/O Ports:	1 RJ-45 port 10/100/1000 Mbps (rear) 2 USB 2.0 Type-A ports (front)2 USB 3.2 Gen 1 Type-A port (front) 2 USB 2.0 ports with Smart Power on (rear) 2 USB 3.2 Gen 1 Type-A ports (rear) 1 Universal Audio Jack (front) 1 Line-out audio port (rear, retaksable)1 DisplayPort 1.4 (rear) 1 HDMI 1.4b port (rear)
Security management:	Trusted Platform Module (TPM) 2.0
Operating System:	Micosoft Windows 10 Pro 64 Bit OEM
Additional software:	Microsoft Office 2019 Pro (Volume License) Antivirus Adobe - Adobe Acrobat Pro
Keyboard:	Internal US/International Qwerty Backlit Keyboard
Display:	19 Monitor 47cm(18.5")
Others	
Warranty/Support Only)	3 Year ProSupport and Next Business Day On-Site Service (Emerging