

IT Department Items MTI , ATH ,

S. no	ITEM	SPECIFICATIONS	QTY
1	Laptop Core i-5	Intel Core i5 7th Gen 3.1 Ghz Processor or equivalent, 15.6" Screen, 8 GB RAM DDR4, 1 TB HDD, Intel® HD Graphics 620 Multi format DVD Writer 1 Manufacturer's Warranty 1 HDMI v1.4a, 2 USB 3.0,1 USB 2.0, 10/100 RJ-45 Ethernet Network Wifi, Bluetooth, Backlit Keyboard	10
2	Laptop trolley for wards	(Picture attached)	10
3	Computer Set	Intel Core i5 7 th Gen, with 3.4 Ghz processor 4GB RAM DDR4 Harddisk : 1 TB 1 GB dedicated Graphic Memory DVD supper Drive hp tech Keyboard and Mouse Screen(LED) : 19.5" Screen 1 Year Local Warranty	60
4	Ultra Flat Wall Mount Computer Station	(Sample Pic Attached)	80
5	HP LaserJet Printer 1109 or Equivalent	True 600 x 600 dots per inch (dpi) for text and graphics FastRes 600 dpi (default) and Fast Res (1200 dpi) Letter: Up to 19 pages per minute A4: Up to 18 pages per minute Without Wireless	60
6	RAM (4gb) DDR-III	Double data rate type three SDRAM (DDR3 SDRAM)	30
7	4 TB Hard Disk	With 7200 rpm speed	10
	1 TB Hard Disk	1 year warranty	20
8	Semons Cells	Computer Board Cells	50
9	Key Board Standard	Standard keyboard with soft key press	20
10	Wireless Mouse\keyboard Standard	Wireless Mouse\keyboard Standard	15
11	Mouse standard	Mouse standard	100
12	VGA Cables 5 Meter	VGA Cables 5 Meter standard	50
13	Power Cables	Power Cables for computers	200
14	USB Devices 32 GB	5 Year Warranty Capacity: 32GB Plug N Play, Durable USB 3.0: 32GB – 70MB/s read 2-in-1 USB connectors	15
15	Potable Hard Disk 4 TB	Brand Warranty USB 3.0 and USB 2.0 connection options Spacious storage capacity 4TB Slim vertically-oriented design saves desk space	2

		Fanless low-noise operation Power-saving sleep mode (Meets European Union ErP requirements)	
16	DVD R/W	Sony DVD-R/W 4.7 GB Spindle	100
17	LAN CARD PCI Slot /USB	LAN CARD PCI Slot /USB	30
18	Network Tool Kit Standard	LAN Cable Tester Tests RJ45, UTP, 10 Base-T, Token Ring, RJ-11/RJ-12 USOC and Coaxial BNC Cable Test Cable for Continuity, Short, Open and Check Cable Type 1pc Adapter Bit for Socket 5pcs Socket Set: 3/16" - 1/4" - 5/16" - 11/32" - 3/8" Anti-Static/Anti Shock Wrist Band 6pcs Precision Screwdriver 27-pc. Pro Screwdriver Set 4-1/2" Side Cutter 5" Long Nose Pliers Flashlight RJ45 Modular Crimping Tool 8P8C Modular Plug Protection Cap Cable Tie See Through Blow Mold Case Package Info Dimension: L 2.5 x W 13 x H 10 inch Weight: 4 lb	2
19	Heat Sleeves	Required for Printers : HP laserjet Pro 400 HP Laserjet 1102 HP Laserjet 1109 HP Laserjet 1320 HP Laserjet 604	50 for each item
20	Drums	Required for Printers : HP laserjet Pro 400 HP Laserjet 1102 HP Laserjet 1109 HP Laserjet 1320 HP Laserjet 604	200 for each item
21	Rollers	Required for Printers : HP laserjet Pro 400 HP Laserjet 1102 HP Laserjet 1109 HP Laserjet 1320 HP Laserjet 604	100 for each item
22	Data Cables	Data cable for printers	200
23	Heaters	Required for Printers : HP laserjet Pro 400 HP Laserjet 1102 HP Laserjet 1109 HP Laserjet 1320	100 for each item

		HP Laserjet 604	
24	Printer Boards Required for Printers : HP laserjet Pro 400 HP Laserjet 1102 HP Laserjet 1109 HP Laserjet 1320 HP Laserjet 604	Printer Boards Required for Printers : HP laserjet Pro 400 HP Laserjet 1102 HP Laserjet 1109 HP Laserjet 1320 HP Laserjet 604	15 for each item
25	High Speed Scanners	Scan jet 200 Flatbed 10 x 15 cm (4 x 6 in) Color Photo to File (200 dpi, 24-bit, TIFF) Photo detail up to 2400 x 4800 dpi resolution, 48-bit color Fast, convenient scanning Digital archiving of photos and paper documents High-speed photo scanning	02
26	INK for Toners	INK for Toners, HP quality NO 1 ,1 KG per pack	200 KG
27	Toner for Color Printer HP laserjet Enterprises M553	Toner for Color Printer HP LaserJet Enterprises M553	12
28	Page picker	Page picker Required for Printers : HP LaserJet Pro 400 HP LaserJet 1102 HP Laserjet 1109 HP Laserjet 1320 HP Laserjet 604	100 for each item
29	LED For Filter OPD	LED 46 Inches Genuine (CHINA CAT-A) LED 46 Inches (CHINA CAT-C) LED 46 Inches (CHINA CAT-C) Separate BIDs required	25
30	Wall Mounts	Wall Mounts for 46 inch LED	25
31	HDMI Cable	HDMI (25 Meter) High Quality	25
32	VGA Cables (25 Meters) High Quality	VGA Cables (25 Meters) High Quality	25
33	HDMI to VGA Converter	HDMI to VGA Converter	25
34	HDMI to DVI Converter	HDMI to DVI Converter	25
35	Network Cables	CAT-6 High Quality	36
36	Network Switch (8 Ports)	With 100/1000GB support	20
37	Network Switch manageable(16 Ports)	Gigabit Ethernet L3 Switches 120 V AC, 230 V AC 16 ports with 3 SFP slot IMC - Intelligent Management Center Command Line Interface Web Based Management SNMP v1, v2c, v3	20

		TFTP, RMON, QoS, DHCP, Telnet 1000Base-X 10/100/1000Base-T lifetime warranty Power Cord Rack-mount Kit Console Cable Documentation Set	
38	Network Switch managable(24 Ports)	Gigabit Ethernet L3 Switches 120 V AC, 230 V AC 24 ports with 3 SFP slot IMC - Intelligent Management Center Command Line Interface Web Based Management SNMP v1, v2c, v3 TFTP, RMON, QoS, DHCP, Telnet 1000Base-X 10/100/1000Base-T lifetime warranty Power Cord Rack-mount Kit Console Cable Documentation Set	15
39	Network Switch managable(48 Ports)	Gigabit Ethernet L3 Switches 120 V AC, 230 V AC 48 ports with 4 SFP slot IMC - Intelligent Management Center Command Line Interface Web Based Management SNMP v1, v2c, v3 TFTP, RMON, QoS, DHCP, Telnet 1000Base-X 10/100/1000Base-T lifetime warranty Power Cord Rack-mount Kit Console Cable Documentation Set	10
40	Wifi Routers (Short)	Wifi Routers	10
41	Wifi Router (long Range)	A new generation of 11AC wireless technology, wireless rates of up to 1750M Support 2.4GHz / 5GHz dual-band simultaneously External 3 * 5dBi 2.4GHz single-band antennas and 3 * 5dBi 5GHz single-frequency antenna with excellent transmission performance WAN port, LAN port all support Gigabit network speeds. ARP Attack Protection IP bandwidth control WDS wireless bridge	5
42	Rj 45 Connectors	Rj 45 Connectors Steel	2000
43	Jointers	CAT-6 Jointers	2000

44	Network Digital Meter	Network Digital Meter	1
45	Clamping Tool	Clamping Tool Good Quality	2
46	Networking Tool Kit	Full Networking Tool Kit	1
47	Electric Meter	Electric Meter Average	1
48	PoE Switches 32 Ports	PoE Switches 16 Ports with 2 SPF slot or equivalent	15
49	12 Volt Adapters	12 Volt Adapters standard	50
50	Adopter Power Cables	Adopter Power Cables used with Laptop	50
51	Server Rack 42U	Branded Server Rack 42U	2
52	Rack Xeon Server	Intel® Xeon® Processor E5-2620 (15M Cache, 2.00 GHz, 7.20 GT/s Intel® QPI) Intel C610 series chipset 24 DIMM slots, DDR4 memory Memory: 32GB RDIMM, DDR4-2133MT/s, Dual Rank, x8 Data Width (Optional) HDD: 3.5" Hot Plug 20 TB SATA Raid Controller: RAID Controller (Included) ODD: 16X DVD-RW SATA Dual LAN: On-Board LOM 1GBE PSU: Dual Hot-plug Redundant (1+1) 750W USB Entry Business Keyboard & MS111 USB Optical Mouse (Optional)	5
53	AC 2 TON	AC 2 TON	3
54	Fiber Optic Cable	8 Core Fiber optic Cable for indoor/outdoor	3000 meters
55	SAN (Storage Area Network)	Storage: 100 TB , Storage capacity upto 500 TB Maximum , Connectivity with Fiber Optic & Ethernet	1
56	Temperature/Humidity Alert KIT	Temperature/Humidity Alert KIT (Message/Call alert system built-in)	1
57	Mini Fire Alarm system for Data center	Mini Fire Alarm System for Data center	1
58	Fire Extinguisher	Fire Extinguisher 10 LBs for Data Center	4
59	Queue Management LEDs	Ethernet Queue Management LEDs Compatibility support with SKMH HIS Software	50
60	Laminators	High Quality Plastic Coating	15
61	Thermal Printer	Optimal Thermal Receipt Printer	35
62	Color Printer	EPSON T60 Printer or equivalent	01
63	Portable Sound System with Microphone	Portable Sound System with Microphone	01
64	Microphone for DSLR Camera	Microphone for DSLR Camera High Quality	01
65	DSLR Camera Lens	DSLR Camera Lens 18:85 mm Frequency 3.5 to 5 GHZ	01

66	Tripod for DSL Camera	Tripod for DSL Camera High Quality	01
67	3 Mega Pixel	IP Camera 3.0 Megapixel Full HD 1080P Advance Motion Detection Recording Ethernet Built-in microphone	20
68	Network switch Rack 8U	Network switch Rack 8U	2
69	Network switch Rack	Network switch Rack 4U	30
70	Gigabit SFP Module Single Mode TP link	Gigabit SFP Module Single Mode TP link	30
71	S & I Fiber Optic Patch cord Pig Tails	S & I Fiber Optic Patch cord Pig Tails	50
72	S & I Fiber Optic Patch cord	S & I Fiber Optic Patch cord	30
73	Biometric Fingerprint & 125KHz RFID Card Reader Access Control System	ZK software Supported Fingerprint Capacity 1500 or equivalent Biometric Fingerprint & 125KHz RFID Card Reader Access Control System	15
74	Biometrics Attendance Machine	ZK Software User Capacity 3,000 Fingerprint Capacity 3,000 ID Card Capacity 3000 optional Record Capacity 50,000 Display 2.8' color screen Communication TCP/IP, WiFi, USB-host Standard Functions 9 Digit User ID, T9 Input, SMS, DST, Self-Service Query, Automatic Status Switch, Ring bell Optional Functions ID/Mifare, WDMS, RS232 External Printer Access Control Interface 3rd Party Electric Lock, Exit Button Software ZKTime.Net 3.0 Power Supply DC 12V/1.5A Dimension 186*138*43.6mm (LxWxT) Operating Temp. 0 °C - 45 °C Operating Humidity 20%-80%	25
75	Electric Lock	Door sensor (SL-100A:N.C. &N .O. / SL-100B:N.C.) Power Supply: DC 12V. Operation current: 900mA, Holding current: 330mA Fail- safe type (Power to lock) Operation delay time: 0 sec., 2.5sec., 5sec., 9sec. Built-in delayed egress control point Weight: 860g	15
76	RFID Reader	Dimension 260*260*65(mm) 445*445*70(mm)	05

		Reading distance Up to 6 meters (adjustable) Up to 12 meters (adjustable) communication interface Wiegand 26(Default) /Wiegand 34, USB Frequency 902Mhz – 928Mhz, 865MHz – 868MHz Shell Material Antenna Panel:ABS Engineering Plastics; Back Cover: Aluminum Shell Working Voltage 9~12V DC Working Current 150mA(Always Read) Working Temperature -20 °C - 60 °C Interface Protocol EPC global UHF Class 1Gen 2/ISO 18000-6c Multiple tags identification <100 Working mode Always read(Default) /Trigger read I/O Interface Supports external trigger Maximum power consumption <3W (RF output 26dBm,multiple tags), <2W (RF output 26dBm,Single tags)	
77			
78	Toner for HP Laserjet 1102	Toner for HP Laserjet 1102 Separate Rates for Local / Genuine toners	300
79	Toner for HP Laserjet 1109	Toner for HP Laserjet 1109 Separate Rates for Local / Genuine toners	300
80	Toner for HP Laserjet 1320	Toner for HP Laserjet 1320 Separate Rates for Local / Genuine toners	300
81	Toner for HP Laserjet 604	Toner for HP Laserjet 604 Separate Rates for Local / Genuine toners	300
82	Toner for HP laserjet Pro 400	Toner for HP laserjet Pro 400 Separate Rates for Local / Genuine toners	300
83	Amplifier	Amplifier	05
84	Toner for Printer HP laserjet 2055	Toner for Printer HP laserjet 2055	50
85	Toner for Printer HP laserjet 2015	Toner for Printer HP laserjet 2015	50
86	RAM 4 GB DDR II	RAM 4 GB DDR II	05
87	Ribbon for dot matrix printer LQ 300	Ribbon for dot matrix printer LQ 300	100
88	Ribbon for dot matrix printer LX 300	Ribbon for dot matrix printer LX 300	100
89	USB 16 GB	USB 16 GB 3.0	20
90	Windows Server 2008 License	Windows Server 2008 License	08
91	Windows Server 2012 License	Windows Server 2012 License	08

92	Microsoft Windows 2008	Microsoft Windows 2008	10
93	Microsoft Windows 2012	Microsoft Windows 2012	10
92	Antivirus kaspersky Client Point	Antivirus kaspersky client point security	100
93	Antivirus kaspersky Server Side	Antivirus kaspersky Server Side Security	15

MANAGER IT DEPARTMENT
MTI ATH ABBOTTABAD