Haa Alif Atoll Technical Institute - ICT and Electrical related Items

	Itme Name	Spec/Details	Qty	Photo
1	75" SMART TV with Wall mount	**75" SMART TV with Wall mount** **Brand:** (Vendor MUST specify) **Model:** (Vendor MUST specify) **Screen Size:** Minimum 75 inch (diagonal) **Resolution:** 4K UHD 3840 x 2160 or higher **Operating System:** Smart TV operating system with app store and built-in screen casting (Google TV / Android TV or equivalent) **Connectivity:** Minimum 1 port of each of the following: HDMI USB 2.0 or higher Antenna (RF) input AV input LAN (RJ45) Digital audio output (optical) Built-in Wi-Fi **Power Supply:** AC 100–240V, 50Hz, with UK 3-pin (Type G) plug **Wall Mount:** Wall mount bracket VESA-compatible with the TV and rated for its weight, included **Installation: Installation Required – to be affixed to the wall at the locations listed above.** **Warranty: Minimum 1 year parts** **Warranty: Minimum 1 year service**	9	

2	**Multi Touch Screen Smart Lcd Display Meeting Room Smart Board with Movable Stand Interactive Whiteboard for Teaching**	**110" Multi Touch Screen Smart Lcd Display Meeting Room Smart Board Interactive Whiteboard for Teaching.** **With MOvable Stand.** **Brand:** (Vendor MUST specify) **Model:** (Vendor MUST specify) **Screen Size:** 110 inches (diagonal) **Panel:** LCD/LED, 16:9, horizontal orientation Resolution 4K UHD 3840 x 2160 Refresh rate minimum 60 Hz **Touch:** Minimum 40-point multi-touch Finger and pen writing; minimum 2 stylus pens included. Interactive whiteboard and annotation software included **Built-in System:** Android 13 or later, minimum 8GB RAM and 128GB storage PC Module (OPS): Slot-in OPS PC: Intel Core i5 (13th Gen or later), minimum 8GB RAM, minimum 128GB SSD Genuine Windows 11 Pro, pre-installed with license Switching between Android and Windows from the panel **Inputs / Ports:** Minimum 2 x HDMI input Minimum 1 x DisplayPort OR USB-C (with video) USB 3.0 ports, touch USB output, LAN (RJ45) Built-in Wi-Fi and Bluetooth **Camera & Microphone:** Built-in camera, minimum 48MP. Built-in microphone array (minimum 8 microphones) with noise cancellation. **Wireless Projection:** Built-in wireless screen sharing from Windows, macOS, Android and iOS devices **Frame & Colour:** Metal frame; white preferred **Stand:** Movable floor stand with lockable castors, rated for the panel weight, included **Power Supply:** AC 220–240V, 50Hz, with UK 3-pin (Type G) plug **Installation:** Installation Required – assembly on the movable stand and setup at site **Warranty:** Minimum 1-year parts **Warranty:** Minimum 1 year service	1	

3	**Computer systems** **Auditorium (1), Staffroom (4) and 2 training rooms 1-6 (1 each)**	**Brand:** (Vendor MUST specify) **Model:** (Vendor MUST specify) **Form Factor:** Small Form Factor OR Mini-Tower **Processor:** Intel Core i7 (13th Gen or later) or AMD equivalent, minimum 16MB cache **Memory:** Minimum 16GB RAM **Storage:** Minimum 256GB SSD for boot AND minimum 512GB HDD for data (1TB preferred) **Network Interface:** Integrated Gigabit Ethernet **Ports:** Minimum 8 USB ports (minimum 2 front), of which minimum 2 USB 3.0 or higher HDMI AND DisplayPort **Keyboard:** USB wireless QWERTY enhanced keyboard (EN-US layout) **Mouse:** USB wireless optical scroll mouse **Operating System:** Genuine Windows 11 Pro 64-bit, pre-installed and activated (licence included) **Monitor:** Minimum 24" LCD/LED, Full HD 1920 x 1080 HDMI AND DisplayPort input, with cables **Monitor must be of the same brand as the computer.** **Power Supply:** AC 220–240V, 50Hz, with UK 3-pin (Type G) plug **Installation: Installation Required** **Warranty: Minimum 1 year parts** **Warranty: Minimum 1 year service**	13	

4	**Logitech Video Conferencing Camera System (Online Class setup and Meeting room setup)**	**Logitech Group HD Video and Audio Conferencing System for Big Meeting Rooms** **Brand:** Logitech **Model:** (Vendor MUST specify) **Type:** USB conference camera and speakerphone kit for large meeting rooms **Camera:** Full HD 1920 x 1080 at 30 fps Motorised pan/tilt/zoom with minimum 10x zoom and autofocus **Audio:** Full-duplex speakerphone with echo cancellation and noise reduction Support for expansion microphones **Connectivity:** USB plug-and-play to a host computer (UVC/UAC) **Control:** Remote control included **Compatibility:** Windows 10/11 and macOS (current versions) Microsoft Teams, Zoom and Google Meet **Installation: Installation Required** **Warranty: Minimum 1 year**	1	
5	**Laptop for Trainings Seminars and Mobile trainings**	Laptop with the following specifications: **Brand:** (Vendor MUST specify) **Model:** (Vendor MUST specify) **Processor:** Intel Core i7 (13th Gen or later, minimum 10 cores) or AMD equivalent **Memory:** Minimum 16GB DDR5 RAM **Storage:** Minimum 512GB SSD **Display:** 14" Full HD (1920 x 1080) IPS or higher **Wireless:** Wi-Fi 6 or later, Bluetooth **Ports:** USB-A, USB-C and HDMI **Keyboard:** UN-US layout **Operating System:** Genuine Windows 11 Pro 64-bit, pre-installed and activated **Power Adapter:** With UK 3-pin (Type G) plug **Warranty: Minimum 1 year parts** **Warranty: Minimum 1 year service**	2	

6	**Projector With Ceiling Mount bracket (Auditorium)**	**Multimedia Projector** **Brand:** (Vendor MUST specify) **Model:** (Vendor MUST specify) **Type:** Multimedia projector **Brightness:** Minimum 3,500 ANSI lumens **Resolution:** Minimum WXGA (1280 x 800) **Inputs:** Minimum 1 x HDMI **Speaker:** Built-in speaker **Mounting:** Adjustable ceiling mount bracket included **Cable:** 25 metre HDMI cable included (active/optical type) **Power Supply:** AC 220–240V, 50Hz, with UK 3-pin (Type G) plug **Installation: Installation Required – ceiling mounting and cabling** **Warranty: Minimum 1 year; vendor to specify lamp/light-source life and warranty**	1	  
7	**A3 Multifunction Printer (For Student services and Admin)**	**All in One A3 Printer.** **Brand:** (Vendor MUST specify) **Model:** (Vendor MUST specify) **Type:** All-in-one colour ink tank printer (print, scan, copy) **Maximum Media Size:** A3 (297 x 420 mm) **Print Resolution:** Colour: minimum 4,800 x 1,200 dpi Black and white: minimum 2,400 dpi **Copy Speed:** Minimum 38 ppm black and white (draft); vendor to specify ISO speed **Duplex:** Automatic dual-sided printing **Scanner:** Flatbed **Paper Capacity:** Minimum 250 sheets **Connectivity:** Wi-Fi AND minimum 1 x Ethernet port Printing from laptops, smartphones and tablets Included: 1 full set of ink (black minimum 127 ml; cyan, magenta, yellow minimum 70 ml each), power cable, setup guide and software/drivers **Power Supply:** AC 220–240V, 50Hz, with UK 3-pin (Type G) plug **Warranty: Minimum 1 year**	1	  

8	**Sound System (Auditorium)**	**Sound Sytem** **Brand:** (Vendor MUST specify) **Supplier must submit the brand of each component for approval.** **Model:** (Vendor MUST specify) **Mixer / Amplifier:** Amplifier with equalizer and 48V phantom power support **Speakers:** 2 x PA speakers with stands, matched to the amplifier **Podium Microphone:** 1 x 18" gooseneck podium microphone **Wireless Microphones:** 1 set of 2 cordless (wireless) handheld microphones with receiver **Microphone Stand:** 1 x microphone stand **Cables:** 30 feet speaker cables for each speaker, plus all required microphone cables **Warranty: Minimum 1 year**	1	 
9	**Fingerprint Attendance System**	**Fingerprint Attendance System** **Brand:** ZKTeco **Model:** F28 **Fingerprint Capacity:** Minimum 3,000 **Transaction Capacity:** Minimum 30,000 **Communication:** TCP/IP, Wi-Fi, RS485 and RS232 **Access Control:** Built-in access control function **Card Reader:** RFID EM / MIFARE card support (optional module) **Compatibility:** Vendor to confirm compatibility with the Ministry's attendance management system. **Installation: Installation Required** **Warranty: Minimum 1 year**	1	

10	**Industrial Stand Fan for workshops**	Indutrial Stand Fan 20" Size: 500mm - 20" Watts: 110W Speed: 1400RPM Air Delivery: 10200 CBM	4	
11	**Washer & Dryer, Inverter (10kg)**	Front Loading Washer & Dryer, Inverter (10kg)	1	

12	**Stand Fan** Reception Area	Stand Fan Fan Diameter: 41cm (16.1") Rated Power: 50W Rated Voltage: 220-240V~ Rated Frequency: 50Hz Placement: Freestanding No. of Fan Blades: 7 Blades No. of Speeds: 3 (Low/Medium/High) Timer: Up to 2 hours	4	