

## GIZ-ETHIOPIA ICT ITEMS STANDARD SPECIFICATIONS

### 1. Monitors: 24" FHD LED Monitor for the Desktops

- Reference model: Dell or Fujitsu

<b>Diagonally Viewable Size:</b>	<b>60.47 cm</b> <b>23.8" (23.8-inch wide viewable image size)</b>
<b>Aspect Ratio:</b>	<b>Min. Widescreen (16:9)</b>
<b>Panel Type, Surface:</b>	In-plane switching, anti-glare with hard coat 3H
<b>Optimal resolution:</b>	Min. 1920 x 1080 at 60 Hz
<b>Contrast Ratio:</b>	Min. 1000: 1 (typical) Dynamic Contrast Ratio: 2 Million:1 (Max)
<b>Color Support:</b>	Min. 16.7 million colors
<b>Panel Backlight:</b>	Min. LED
<b>Display Type:</b>	Widescreen Flat Panel Display
<b>Stand</b>	Height-adjustable stand, pivot, tilt, swivel and built in cable- management
<b>Flat Panel Mount Interface:</b>	Min. VESA (100 mm x 100 mm)
<b>Connectivity</b>	1 Digital Visual Interface connectors (DVI-D) with HDCP 1 Video Graphics Array (VGA) 1 DisplayPort (version 1.2a) 4 USB 2.0 ports (3 downstream ports, 1 upstream port)
<b>Voltage Required:</b>	100 to 240 VAC / 50 or 60 Hz $\pm$ 3Hz / 1.2 A (typical) Dell

## 2. Laptops (1)

- Newest generation, If available (generation 10 or 11)
- Reference model: HP PROBOOK 640 G8

### Type-IA Laptop Specification

Type	Lightweight Notebook,
Display:	13/14" FHD LED
Processor:	<b>10th Generation Intel® Core™ i5 Processor with base clock speed 1.8GHz or above, 6MB cache memory or above</b>
Hard disc:	256 - 512GB OPAL2 PCIe M.2 SSD or above <b>(HDD is not acceptable)</b>
Memory (RAM):	8 GB, LPDDR3, 2133 MHz, Integrated
Keyboard:	ENGLISH
Camera/Microphone:	HD Cam and mic or above
Battery:	Min: 3 Cell, 45Wh
Screen resolution	Min.1920 x 1080
Connectors:	2x USB 3.1 (1x always on USB-Charge-function) 1x USB Type-C Gen1 1x optional thunderbolt v2/v3 1x optional Adapter HDMI to VGA adapter 1x SD Card reader 4in1 1x HDMI 1x optional Adapter USB-C to DP 1x RJ45 for LAN (built-in) or USB-C to LAN port adapter 1x Audio Combo port, optional Adapter Audio in/1x Audio out 1x USB-C Docking Connector
Case	Heavy Duty ergonomic carrying case
OS	Windows 10 separate price; professional, 64 bits, English, Single License, Genuine

## 3. Laptop (2)

- Reference model: Dell XPS 17 9700 17-inch UHD Plus Laptop (Silver)

Type	Laptop,
Display:	17 inch UHD Display Plus
Processor:	<b>Intel i9-10885H 10th Gen, 32GB DDR4 RAM, 1TB SSD, NVIDIA GeForce RTX 2060 6GB GDDR6</b>

## 4. Medium duty copy machine

- Reference model: Canon IR 2535i

<b>Functions</b>	Standard: Copy, Print (UFR II LT), Scan, send, store
<b>Output Type</b>	Monochrome Digital Multifunction Imaging Sys. Black-and-white copy/print
<b>Format</b>	A3
<b>Print Speed</b>	Min: 30 ppm (black A4), Min: 15 ppm (black A3) Print up to 51ppm(letter)
<b>Print Resolution</b>	Min: 1200x1200 dpi
<b>Input Feed Capacity</b>	Min: 1200 pages (standard)
<b>Manual Feed Tray Capac.</b>	Min.100 pages
<b>Duplex Auto Print</b>	Automatic (Standard)
<b>Scanner/Copier Type</b>	Flatbed
<b>Scanner Format</b>	A3 color scan and send
<b>Copier Resolution (Black)</b>	Max: 600x600 dpi
<b>Copying Speed</b>	Min: 30 ppm (Black A4), Min: 15 ppm (Black A3)
<b>Maximum Number Copy</b>	Up to 999
<b>Interfaces</b>	Min: Ethernet (RJ-45), USB 2.0
<b>Memory</b>	Min: 512 Mb
<b>OS Support</b>	All
<b>UNIVERSAL SEND KIT</b>	Min: A4, 300dpi, BW/Color: 45/34 ipm
<b>Destination</b>	E-mail/Internet FAX(SMTP), PC/Server (SMB, FTP), USB memory key
<b>Address Book</b>	Local(Max.500)
<b>Processor Speed</b>	Min: 400 MHz
<b>Feeders Description</b>	DADF
<b>Scan Method:</b>	Duplexing Automatic Document Feeder
<b>Scanning Speed</b>	(BW/Color; Letter): Copy: 25 ipm (600 dpi), Scan: 35/25 ipm (300 dpi)
<b>Power Socket Type</b>	SchuKo Type

## 5. Keyboards (wired)

- From list of GIZ-ETHIOPIA ICT ITEMS STANDARD SPECIFICATIONS
- Reference model: Dell KB216 Wired Keyboard

<b>Keys</b>	Low-profile keys
<b>Connectivity Technology</b>	Wired
<b>Keys Qty</b>	min. 104
<b>Height</b>	Adjustable keyboard height
<b>Cable</b>	min. 2m
<b>Connection Type</b>	USB type A plug
<b>Special Keys:</b>	15 function keys accessible through "fn" key
<b>Type</b>	QWERTY
<b>Language</b>	English
<b>Life span</b>	min. 50 million strokes
<b>Compatibility</b>	Min. Windows vista/Win 7/ Win 8/ Win 10/Mac OS

## 6. Optical wireless mouse (cordless)

- Reference model: Logitech M510 wireless computer mouse

<b>Optical Mouse</b>	
<b>Supported OS</b>	Windows 10
<b>Sensor technology:</b>	Advanced Optical Tracking
<b>Battery type:</b>	1 AA battery
<b>Wireless operating distance:</b>	Approx. 10m
<b>Wireless technology:</b>	Advanced 2.4 GHz wireless connectivity (Unifying supported)
<b>Interface:</b>	USB receiver
<b>Tilt scroll function (Y/N):</b>	Yes
<b>Scroll Wheel (Y/N):</b>	Yes (with Micro-precise scrolling)
<b>Number of buttons:</b>	Min. 5