

## ANNEXURE A - ICT EQUIPMENT'S SPECIFICATION TABLE

### TABLET SPECIFICATIONS

The supplier shall supply **forty (40) tablets** I. The tablet shall comply with the following specifications:

Item(s)	Specifications
Processor	Processor: Quad core, 1.83 GHz processing speed or better and 2MB cache or better
Operating system	<b>Android</b>
Internal Storage	<b>Minimum 32 GB</b>
RAM	2 GB or better
Screen size	10 inch or better
Resolution	1920 x 1080 pixels or better
Keyboard	Detachable keyboard
Camera	<ul style="list-style-type: none"><li>• Front – Minimum 2 MP</li><li>• Back – Minimum 5 MP</li></ul>
Support	USB, WiFi, HDMI and Bluetooth audio and video
Battery	<ul style="list-style-type: none"><li>• Rechargeable battery, up to 8 hours (8000 mAh) or better</li></ul>
SD card	Incorporate a Micro SD card slot
Connectivity	WIFI, 3G/4G/LTE
Mouse	wireless mouse
Software	Licensed Microsoft Office "Student Version"

### Mobile Charging Unit

Tablets mobile charging trolley sync and charge

- Stores 40 tablets
- AC cooling fan
- Individual AC plugs for each tablet
- Heavy duty casters
- Double front and rear doors for easy access
- Well ventilated to keep units cool during charging

### LAPTOP SPECIFICATIONS

The supplier shall provide **two (2) laptops** and that the laptops shall adhere to the following specifications:

Item(s)	Specifications
Processor	Minimum Core i5 Processor

<b>Internal Storage</b>	Minimum 500 GB
<b>RAM</b>	4GB or better
<b>Graphic Card:</b>	at least 512 MB video memory
<b>Display: 15 inch or higher</b>	15" or higher
	Full HD (1920 x 1080 pixels) or better
Operating system	Windows 10 Pro
Application software	Licensed Microsoft Office suite
Wireless mouse	Yes
Carry bag	Yes

**SERVER SPECIFICATIONS – C3 HYBRID (APPLIES TO ALL SCHOOLS EXCEPT MAKGETSE HIGH SCHOOL)**

Item(s)	Specifications
Processor	Core i5
Storage	2 TB
RAM	4GB or more
Users	300 Users
Wi-Fi Access Point bgn/ac	Yes - 2X External Antennas
External Mobile Interface	3/4G
Ethernet WAN Interface	Yes - 1Gbps Ethernet
Battery backup	Optional
Educational content	<ul style="list-style-type: none"> <li>• Learning Management System (Moodle)</li> <li>• Offline Educational content <ul style="list-style-type: none"> <li>○ Encyclopedia</li> <li>○ Dictionary</li> </ul> </li> </ul>
DBE Content	Primary or Secondary Department of Basic Education Content to be loaded on the server by the Service Provider

C3 Hybrid



C3 Micro Cloud Screenshots



**Installation of the server**

**The appointed service provider must load the DBE content on the server that is appropriate for the learners in each selected school**

#### **PRINTER SPECIFICATIONS**

The supplier shall provide one (1) printer, with one (1) spare cartridge, and these printers shall adhere to the following specifications:

- [a] Printing technology: laser
- [b] Printing output type: monochrome
- [c] Functions: copying, scanning and printing
- [d] Printer speed: up to 30 ppm or better
- [e] Copier speed: up to 30 ppm or better
- [f] Scanning resolution: 1200 x 1200 dpi or better
- [g] Processor: Minimum dual core or better
- [h] Standard memory: 512 MB or higher
- [i] Incorporate a PC connection

#### **PROJECTOR SPECIFICATIONS**

The supplier shall provide a one (1) projector, the projector shall adhere to the following specifications:

- [a] Lumens: 3000
- [b] Resolution: minimum 1920x1080 pixels
- [c] Contrast ratio: minimum 1000:1
- [d] Zoom ratio: minimum 1.5
- [e] Interface: at least HDMI, USB and RS232

#### **PROJECTOR SCREEN**

- Description: Wall mounted screen
- **Dimensions: 258cm(L) x 18cm(W) x 18cm(H)**

## DOCUMENT CAMERA/VISUALIZER SPECIFICATIONS - ELPDC13

Image Pick-Up Device	1/ 2,7 " CMOS sensor
Effective Pixels	1920 Horizontal x 1080 Vertical
Frame Rate	Max. 30 fps
Optical	Zoom: Digital 16; Focus: Auto
Shooting area	A3 sized: 297 x 420 mm
Image Resolution output	SXGA(1280*1024)/XGA(1024*768)/WXGA 16:10 (1280*800)/WXGA 16:9 (1360*768)/1080p (1920*1080), 480p/ 720p/ 1080p
Image adjustments	Auto Exposure, Black and White, Brightness Adjustment, Contrast Adjustment, Image Rotation, Microscope mode
Connectivity interfaces	USB 1.1 Type B, VGA in, VGA out, HDMI out, built-in microphone, SD memory card, blank
PC-free image viewer	View images from internal or supported external memory
Image storage	SD/SDHC compatibility (128MB-32GB)
Features	Auto focus, Freeze, Parallel video output, SD card viewer, Split screen, Zoom
Security	Kensington lock, Security bar, Security cable hole
Power consumption	13 Watt, 0,5 Watt (standby)
Product dimensions	Folded: 367 x 122 x 120 mm (Width x Depth x Height), Operating: 270 x 317 x 447 mm (Width x Depth x Height)
Illumination	LED lights
Included software	Easy Interactive Tools, TWAIN driver for Epson Document Camera (for Windows)

### **NB – INSTALLATION**

**Disclaimer: Where applicable, all software required by the various ICT equipment shall be installed by the supplier. All software shall be licensed at the cost of the supplier. Projector and screen to be mounted. Content server to be uploaded with the Department of Basic Educations (DBE) educational content.**