higher education & training

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To: SUPPLY CHAIN UNIT
From: SPECIFCATION COMMITTEE
SUBJECT: Specification for Printer specification

ITEM NUMBER	COMPLETE PRODUCT DESCRIPTION/SPECIFICATION/SCOPE OF WORK	PRODUCT QUANTITY	CAMPUS ALLOCATION

1.	**1. Administrative Offices Model**
	General Overview
	• **Type:** A4 colour multifunction printer (MFP) with copy, print, scan, and optional fax capabilities.
	• **Speed:**
	  ○ **Print/Copy:** Up to 30 ppm (A4, mono and colour).
	  ○ **Scan:** 60 ipm (black/white) / 40 ipm (colour) with 75-sheet reversing automatic document feeder (RADF).
	• **Resolution:** 1,200 × 1,200 dpi (print/copy).
	Paper Handling
	• **Paper Sizes:** A4–A6, envelopes, custom sizes; supports 220 g/m² media in bypass tray.
	• **Capacity:**
	  ○ **Standard:** 250-sheet tray + 100-sheet bypass tray.
	  ○ **Output:** 250 sheets (standard).
	Functionalities
	• **Touchscreen:** 7" colour touch panel for intuitive navigation.
	• **Mobile/Cloud:** Supports AirPrint, Google Cloud Print, and Olivetti Mobile Print app.
	• **Security:** SSL encryption, IPsec, private printing, and HDD data overwrite.
	• **Scan Features:**
	  ○ **Searchable PDF:** Requires Scan Extension kit.
	  ○ **Direct USB printing/scanning.**
		167	20 Barberton & CfERI
			21 Mlumati
			13 Kanyamazane
			12 Mthimba
			20 Mapulaneng
			12 Mashishing
			24 Nelspruit
			45 Central

2.	**2. Computer Labs Model**
	General Specifications
	• **Type:** Floor-standing black & white multifunction printer (MFP) with copy, print, scan, and optional fax capabilities.
	• **Print Speed:** Up to 28 pages per minute (ppm) for A4 and 14 ppm for A3.
	• **Resolution:** 1,800 × 600 dpi (print/copy) and 600 × 600 dpi (scan).
	• **Paper Sizes:** Supports A3 (11" × 17") down to A6, including legal (8.5" × 14"), ledger, envelopes, and custom banner paper (up to 47" long).
	• **Paper Capacity:**
	  ○ **Standard:** 1,100 sheets (2 × 500-sheet trays + 100-sheet bypass tray).
	  ○ **Expandable:** Up to 3,600 sheets with optional cabinets.
	• **Duty Cycle:** Recommended 13,000 pages/month, max 28,000 pages/month.
	Functionalities
		42	7 Barberton & CfERI
			10 Mlumati
			4 Kanyamazane
			3 Mthimba
			7 Mapulaneng
			5 Mashishing
			3 Nelspruit
			3 Central

Copy/Print: Toner save mode, duplex printing, carbon copy printing, and driverless printing (PDF, XPS, Office files). **Scan:** Up to 45 images per minute (ipm), scan-to-email/SMB/FTP, blank page removal, and OCR support. **Security:** User authentication (password/ID card), data encryption, and network security (SSL/TLS, IPsec). **Mobile Printing:** Supports AirPrint, Mopria, and Konica Minolta's mobile apps. **Quantity per Campus:**	

3.	**3. Photocopy Rooms Model** **General Specifications** • **Type:** High-speed black & white multifunction printer (MFP) with copy, print, scan, and optional fax capabilities. • **Print/Copy Speed:** Up to 95 ppm (A4) and 48 ppm (A3). • **Resolution:** 1,200 × 1,200 dpi (print) and 600 × 600 dpi (scan). • **Paper Sizes:** Supports A3 (11" × 17") to A6, including custom sizes and banner paper up to 47.25" long. • **Paper Capacity:** o **Standard:** 3,650 sheets (expandable to 6,650 sheets with optional LU-303/LU-205 units). • **Duty Cycle:** 300,000 pages/month. **Functionalities** • **Copy/Print:** Duplex printing, toner save mode, booklet making, and carbon copy printing. • **Scan:** 240 ipm (dual-scan ADF), supports OCR, and outputs to PDF/OOXML (e.g., PPTX, DOCX). • **Mobile/Cloud:** Supports AirPrint, Mopria, NFC, and Konica Minolta's PageScope Mobile app. • **Security:** IC card/biometric authentication, TPM encryption, and HDD mirroring. **Finisher Options** • **FS-537/FS-537SD:** Saddle-stitching, punching, stapling, Z-fold, and tri-fold. • **FS-536:** Booklet making (up to 80 pages) and hole punching. • **Output Capacity:** Up to 3,300 sheets with finisher.	**16** *(9 With Finisher +* *7 Without Finisher*	3 (2 Finisher) Barberton & CfERI 2 Mlumati (1 Finisher) 2 Kanyamazane (1 Finisher) 2 Mthimba (1 Finisher) 2 Mapulaneng (1 Finisher) 2 Mashishing (1 Finisher) 2 Nelspruit (1 Finisher) 1 (Finisher) Central

4.	**. Specifications (Color, No Finishers)**
	
	1. General Overview
	• **Type:** A3 color multifunction printer (MFP) with print, copy, scan, and optional fax capabilities 1.
	• **Print Speed:**
	  o **Color/Mono:** Up to **65 ppm** (A4) / **33 ppm** (A3) 112.
	• **Resolution:** **1,200 × 1,200 dpi** (print/copy) / **600 × 600 dpi** (scan) 1.
	2. Paper Handling
	• **Paper Sizes:** Supports **A3 (11" × 17")** to **A6**, envelopes, custom sizes, and banner paper up to **47.25" long** 1.
	• **Standard Capacity:**
	  o **Trays:** 2 × 500-sheet cassettes + 150-sheet bypass tray 1.
	  o **Max Expandable:** Up to **6,650 sheets** with optional units (e.g., LU-303) 112.
	• **Paper Weight:**
	  o **Cassettes: 52–256 g/m²** / **Bypass: 60–300 g/m²** 1.
	3. Functionalities
	• **Touchscreen: 10.1" color TFT LCD** (similar to Canon C5550i) 914.
	• **Mobile/Cloud:** Supports **AirPrint, Mopria, NFC**, and Konica Minolta's mobile apps 112.
	• **Security:** User authentication, TPM encryption, HDD mirroring (optional) 114.
	• **Scan Features:**
	  o **Speed:** Up to **240 ipm** (dual-scan ADF) 12.
	  o **Formats:** PDF, TIFF, JPEG, searchable PDF (optional) 19.		

		Standard Industry Rate	

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Principal