



Ehlanzeni TVET College

Corporate Centre

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To: SUPPLY CHAIN UNIT
From: SPECIFICATION COMMITTEE
SUBJECT: Specification for Printers for Ehlanzeni TVET College

ITEM NUMBER	COMPLETE PRODUCT DESCRIPTION/SPECIFICATION/SCOPE OF WORK	PRODUCT QUANTITY	CAMPUS ALLOCATION
1.	1. Specifications: Administrative Offices Model General Overview: Type: A4 colour multifunction printer (MFP) with print, copy, scan, and optional fax functions. Speed: - Print/Copy: Up to 30 ppm (A4, mono and colour) - Scan: 60 ipm (B/W) / 40 ipm (colour) with 75-sheet reversing automatic document feeder (RADF) Resolution: 1,200 × 1,200 dpi (print/copy) Paper Handling: Supported Sizes: A4–A6, envelopes, custom sizes; up to 220 g/m² via bypass tray Input Capacity: 250-sheet main tray + 100-sheet bypass tray Output Capacity: 250 sheets (standard) Functionalities: 7" colour touchscreen panel for navigation Mobile/Cloud Support: AirPrint, Google Cloud Print, and compatible mobile print applications Security Features: SSL encryption, IPsec, private print, and HDD data overwrite Scan Features: - Searchable PDF (with optional scan extension kit) - USB direct print and scan support	167	20 Barberton & CfERI 21 Mlumati 13 Kanyamazane 12 Mthimba 20 Mapulaneng 12 Mashishing 24 Nelspruit 45 Central
2.	2. Specifications: Computer Labs Model General Specifications: Type: Floor-standing black & white multifunction printer (MFP) with print, copy, scan, and optional fax Print Speed: Up to 28 ppm (A4), 14 ppm (A3) Resolution: 1,800 × 600 dpi (print/copy) 600 × 600 dpi (scan) Paper Handling: Sizes Supported: A3 to A6, including legal, ledger, envelopes, and banner paper up to 47" Standard Capacity: 2 × 500-sheet trays + 100-sheet bypass	42	7 Barberton & CfERI 10 Mlumati 4 Kanyamazane 3 Mthimba 7 Mapulaneng 5 Mashishing 3 Nelspruit 3 Central

	tray = 1,100 sheets • Expandable Capacity: Up to 3,600 sheets • Duty Cycle: ○ Recommended: 13,000 pages/month ○ Max: 28,000 pages/month Functionalities: • Duplex printing, toner save mode, carbon copy, and driverless printing (PDF, XPS, Office formats) • Scan to email/SMB/FTP, blank page removal, OCR support • Security: User authentication, data encryption, SSL/TLS, IPsec • Mobile Support: AirPrint, Mopria, and generic mobile print apps		
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3.	3. Specifications: Photocopy Rooms Model General Specifications: • Type: High-speed black & white multifunction printer (MFP) with print, copy, scan, and optional fax • Speed: ◦ Print/Copy: Up to 95 ppm (A4), 48 ppm (A3) • Resolution: ◦ Print: 1,200 × 1,200 dpi ◦ Scan: 600 × 600 dpi Paper Handling: • Sizes Supported: A3 to A6, custom sizes, banner paper up to 47.25" • Standard Capacity: 3,650 sheets • Expandable Capacity: Up to 6,650 sheets with optional large capacity units Duty Cycle: • Up to 300,000 pages/month Functionalities: • Duplex, toner save, booklet creation, carbon copy • 240 ipm dual-scan ADF, OCR, outputs to PDF/OOXML (e.g., PPTX, DOCX) • Mobile/Cloud Support: AirPrint, Mopria, NFC, and generic mobile apps • Security: IC card or biometric authentication, encryption, HDD mirroring Finishing Options: • Saddle stitching, hole punching, Z-fold, tri-fold, and booklet making (up to 80 pages) • Output capacity up to 3,300 sheets with optional 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.	1. Specifications: Colour MFPs (No Finishers) General Overview: • Type: A3 colour multifunction printer (MFP) with print, copy, scan, and optional fax • Print Speed: ◦ Colour/Mono: Up to 65 ppm (A4), 33 ppm (A3) • Resolution: ◦ Print/Copy: 1,200 × 1,200 dpi ◦ Scan: 600 × 600 dpi Paper Handling: • Sizes Supported: A3 to A6, envelopes, custom sizes, banner paper up to 47.25" • Standard Capacity: ◦ 2 × 500-sheet cassettes + 150-sheet bypass tray • Expandable Capacity: Up to 6,650 sheets with optional trays • Paper Weights Supported: ◦ 52–256 g/m² (cassettes), 60–300 g/m² (bypass) Functionalities: • 10.1" colour touchscreen display • Mobile/Cloud Support: AirPrint, Mopria, NFC, and compatible mobile print apps	8	1 Barberton & CfERI 1 Mlumati 1 Kanyamazane 1 Mthimba 1 Mapulaneng 1 Mashishing 1 Nelspruit 1 Central

	• Security: User authentication, encryption, optional HDD mirroring • Scan Features: ○ Up to 240 ipm (dual-scan ADF) ○ Formats: PDF, TIFF, JPEG, searchable PDF (with optional kit)		
		Standard Industry Rate	