



SUPPLY, DELIVERY, INSTALLATION, AND TRAINING OF A PLOTTER FOR ARC-NRE SPECIFICATIONS

1. Scope of Service

The successful supplier shall supply, deliver, install, commission, and provide training on the Plotter to a maximum of three ARC officials at ARC Silverton, Pretoria.

2. Functional Requirements

- **Multifunction Capabilities:**

- Colour copying and colour printing (A4 to A0).
- Colour scanning (A4 to A0), including scan-to-email functionality.
- Scanning formats: JPEG, TIFF, multipage TIFF, PDF, multipage PDF.
- Scan destinations: USB, shared network folder, printer HDD, email.
- Scan features: automatic deskew, automatic background removal, crop, rotation, contrast, brightness adjustment, scan to multipage PDF.

- **Printing Paths:**

- Direct printing from USB flash drive.
- Print from network shared folder.
- Email printing.
- Drivers for Windows, Android Print Service, Apple AirPrint (MacOS, iOS), Chrome OS printing, and Smart App (iOS, Android).

- **Printer Drivers:**

- PostScript printers: Raster, PostScript, and PDF drivers for Windows; AirPrint for macOS.
- Non-PostScript printers: Raster drivers for Windows; AirPrint for macOS.



3. Technical Specifications

- **Print:**
 - Speed: 180 A1/hr (approx. 19.3 sec per A1). ○ Resolution: Up to 2400 x 1200 optimized dpi. ○ Productivity: Advanced concurrent horizontal cutter; integrated minimum A3 x 100 sheets multi-size stacker.
 - Software: Automatic nesting, Application Center for poster creation.
 - Technology: Thermal Inkjet. ○ Margins: Roll – 3 x 3 x 3 x 3 mm; Sheet – 3 x 22 x 3 x 3 mm. ○ Ink types: Dye-based (C, M, Y, pK, G) and pigment-based (mK). ○ Printheads: 1 universal printhead.
 - Sheet organizer and stacker for A3 sheets included.
- **Multifunction Capabilities:**
 - Max scan sizes: 914 x 8000 mm (JPEG), 610 x 15,000 mm (TIFF), 914 x 8000 mm (PDF).
 - Scan formats and destinations as above.
- **Media Handling:**
 - Sheet feed, automatic front-loading roll feed, smart roll switching, integrated output stacker, media bin, automatic horizontal cutter.
 - Scanner paper path: straight-through for sheets and cardboard originals. ○ Sheet sizes: 210 x 279 mm to 914 x 1219 mm. ○ Roll sizes: 279 mm to 914 mm.
 - Standard sheets: A4, A3, A2, A1, A0.

4. Memory & Storage

- Minimum 128 GB memory for file processing.
- Minimum 500 GB self-encrypting hard disk.



5. Consumables & Accessories

- Include two set of print cartridges/heads.
- Include 3 x Rolls of A0 printing paper.
- Cartridges/heads must have expiry dates at least 3 years from delivery.
- Include separate 36" spindle.

6. Connectivity

- Gigabit Ethernet (1000Base-T).
- Support protocols: TCP/IP, BootP/DHCP (IPv4), DHCPv6, TFTP, SNMP (v1, v2c, v3), Apple Bonjour, WS Discovery.
- Embedded Web Server (HTTP/HTTPS), IPsec, SMTP (email), Raw IP printing (9100), LPD, IPP, WS print, NTLM v2, SMBv3, SSL/TLS, 802.1X authentication (LEAP, PEAP, EAP-TLS), DFS.

7. Warranty & Maintenance

- **Certified Dealer Requirement**

The supplier shall provide verifiable evidence (Internet web page from the OEM) that their company is an authorised and certified dealer for the equipment supplied under this contract.

- **Comprehensive Warranty and Maintenance Programme**

The supplier shall provide a comprehensive warranty and maintenance programme from the OEM, covering the plotter and all associated equipment supplied under this contract. This programme must remain valid for a minimum period of three (3) years.

- **Issuance of Warranty Certificate**

Upon delivery of the equipment, the supplier shall issue a duly signed and



stamped warranty certificate. This certificate must confirm the activation of both the warranty and maintenance services.

8. Replacement

- If the plotter malfunctions, it must be replaced at no cost to ARC-NRE with a similar model.