



CONTRACT NO: JSM/ICT – 02/11W00-2022
APPOINTMENT OF PANEL OF 2 IT SERVICE PROVIDERS FOR THE
SUPPLY AND DELIVERY OF ICT EQUIPMENTS, SOFTWARES AND ICT
RELATED EQUIPMENTS AS AND WHEN REQUIRED FOR A PERIOD OF
THIRTY-SIX [36] MONTHS (3 YEARS)



TENDER DOCUMENT

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AND DELIVERY OF ICT EQUIPMENTS, SOFTWARES AND ICT RELATED
EQUIPMENTS AS AND WHEN REQUIRED FOR A PERIOD OF THIRTY-SIX [36]
MONTHS (3 YEARS)**

SCOPE OF WORK

Part C3: Scope of Work

C3 Scope of Work



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DR JS MOROKA LOCAL MUNICIPALITY



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C3 SCOPE OF WORK

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1. BACKGROUND INFORMATION

The Information and Communication Technology Division within the Municipality other responsibilities is to ensure that adequate ICT Equipments , Software's, and other ICT Items are allocated and or supplied to all municipal officials as and when required to execute their duties effectively. Furthermore, the Division is often faced with challenges of not being able to provide such ICT Equipment's as and when required due to number of supply chain processes that needs to be undertaken. This project seeks to ensure that supply chain processes are still adhered to and shortened when sourcing ICT Equipment's for Officials and to ensure that obsolete ICT Equipments within the Municipality are replaced when reaching the life-span stages.



2. NATURE OF THE CONTRACT

The nature of the contract would strictly be **the Supply and Delivery of Information and Communication Technology Equipments, Software's and ICT Related ICT Equipments as and when required** which would not be limited to the following.

- Laptops.
- Desktops.
- Servers.
- Network Switches.
- Printers (Office LaserJet Printers).
- Overhead Projectors & GPS Devices.
- Procurement of Softwares Licenses and Renewals.
- Any other IT Hardware and or Items.

Furthermore, the nature of the contract is a strictly performance based one wherein a **Service Level Agreement** would be entered into with the appointed panels.

3. IMPORTANT TO NOTE

Any other ICT Equipment(s), and ICT Items not listed above should be quoted by the panels as and when required by the Municipality.

4. DURATION OF THE CONTRACT

This will be a 36 months contract (**3 years**) for which the successful panels are to **Supply and Deliver Information & Communication Technology Equipments, Softwares & ICT Items as and when required**.



5. PROJECT SPECIFICATION

(a) Laptops (To be allocated to the Executives, Senior and Divisional Managers and some Officials)

Category A - Laptops Specifications	Tender Prize
<p>Operating System. Windows® 10 or 11 Professional 64-bit</p> <p>Processors. 11th-12th Gen Intel Core i7 or latest-1260P (18M Cache, up to 4.7 GHz)</p> <p>Chipset. INTEL IRIS XE GRAPHICS.</p> <p>Dimension 15.28 x 295.3 x 195.04mm</p> <p>Weight 1.26 kg</p> <p>Memory. 16GB 5200Mhz LPDDR5</p> <p>Storage. 1TB SSD PCIe M.2</p> <p>Display. 13.4 – 14 inch " OLED (3456x2160) Touch Infinity Edge 400nits</p> <p>Graphics. NVIDIA® GeForce® MX350, 2 GB, GDDR5</p> <p>Expansion Ports 2 x Thunderbolt™ 4 (USB Type-C™ with DisplayPort and Power Delivery) USB-C to USB-A 3.0 adapter (included in the box) USB-C to 3.5mm headset adapter (included in the box)</p>	



Audio

Dual stereo speakers (tweeter + woofer), Realtek ALC1319D

720p at 30 fps HD RGB camera, 400p at 30 fps IR camera, dual-array microphones

Keyboard.

Platinum Backlit English Keyboard with Fingerprint Reader

Pointing Device

Touchpad with on/off button, Two-way scroll, Gestures, Two Pick buttons

Pointstick with Two Additional Pointstick Buttons.

USB Wireless and **Mouse Carry bags** to be included.

Network Interface

Intel® Killer™ Wi-Fi 6E 1675 (AX211) 2x2 + Bluetooth 5.2 Wireless Card

Lan Port/ Integrated Intel 82579V Gigabit Network Connection (non-vPro configurations).

Wireless

Qualcomm Snapdragon X20 LTE, CAT 9, eSIM

Power

Battery Type

3 Cell, 55 Wh, integrated

Long Life 6-cell (55 WHr) Li-Ion

Battery life

60W AC Adapter Type-C

Chassis

Exterior Chassis Materials Aluminum

Warranty

3 Year On-site Premium Support



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Category B - Laptops Specifications	Tender Prize
<p>Operating System.</p> <p>Windows® 10 or 11 Professional 64-bit</p> <p>Processors.</p> <p>10th -11th Gen Intel® Core™ i5 or i7-1240P (12 MB cache, 12 cores, 16 threads, up to 4.40 GHz Turbo))</p> <p>Chipset.</p> <p>INTEL IRIS XE GRAPHICS</p> <p>Dimension</p> <p>16.32 x 321.50 x 211.35 mm</p> <p>Weight</p> <p>1.65 kg</p> <p>Memory.</p> <p>8GB 5200Mhz LPDDR5</p> <p>Storage.</p> <p>512 – 1TB Gb SSD PCIe M.2</p> <p>Display.</p> <p>15", FHD 1920 x 1080, 60 Hz, glossy-finish, touch, 45% NTSC, 212.50 nits, wide-viewing angle.</p> <p>Graphics</p> <p>NVIDIA® GeForce® MX350, 2 GB, GDDR5</p> <p>Expansion Ports</p> <p>2 USB 3.2 Gen 1 ports</p> <p>1 USB-C USB 3.2 Gen 2 port with Power Delivery + DisplayPort</p> <p>1 headset (headphone and microphone combo) port</p> <p>1 HDMI 1.4a port</p> <p>Audio</p> <p>Stereo speakers with Realtek ALC3204</p> <p>Headphone & Microphone Audio Combo Jack</p> <p>Keyboard.</p> <p>White Backlit keyboard with Fingerprint Reader</p>	



<p>USB Wireless Mouse and Carry bags to be included</p> <p>Network Interface</p> <p>Intel® AX210, 2x2, MIMO, 2400 Mbps, 2.40 GHz/5 GHz/6 GHz, Wi-Fi 6 (WiFi 802.11ax), Bluetooth 5.2</p> <p>Wireless</p> <p>Qualcomm Snapdragon X20 LTE, CAT 9, eSIM</p> <p>Power</p> <p>Battery Type</p> <p>4-cell, 54 Wh polymer battery, Express Charge™, integrated</p> <p>Battery life</p> <p>60W AC Adapter Type-C</p> <p>Chassis</p> <p>Exterior Chassis Materials Aluminum</p> <p>Warranty</p> <p>3 Year On-site Premium Support</p>	
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(b) Desktops

Desktops Specifications	Tender Prize
<p>Operating System</p> <p>Windows® 10 or 11 Professional 64-bit</p> <p>Processors</p> <p>10th – 11th Gen Intel® Core™ i5-12600 (18 MB cache, 6 cores, 12 threads, 3.30 GHz to 4.80 GHz Turbo, 65 W)</p> <p>Chipset</p> <p>LGA1200 (Intel® 500 Series & Select 400 Series)</p> <p>Memory Size</p> <p>8GB (2x8GB) DDR4</p> <p>Expansion Ports Rear</p> <p>HDMI 1.4b 7, DisplayPort 1.4, USB 3.2 Gen1 Type-A (2), USB 2.0 with Smart Power On, FHC PCIe Expansion 1 (2), VGA/DP 1.4/HDMI</p>	



<p>2.0b/USB Type-C Serial/PS2, Ethernet RJ-45 Port, FH PCIe Expansion, Cable Lock</p> <p>Internal Hard Drive</p> <p>512GB - TB, M.2, PCIe NVMe, SSD</p> <p>Optical Drive</p> <p>8x DVD+/-RW 9.5mm Optical Disk Drive</p> <p>Graphics</p> <p>AMD® Radeon™ 550, 2 GB GDDR5, full height, 2 DP</p> <p>Expansion Ports Front</p> <p>USB 2.0 (2), Universal Audio Jack, USB 3.2 Gen1 Type-A</p> <p>Audio</p> <p>Internal Speaker</p> <p>Network Interface</p> <p>Integrated Intel (10/100/1000) Gigabit Ethernet LAN</p> <p>MediaTek WiFi-6 2x2 MT7921 Bluetooth 5.2 Wireless Card with Internal Antenna</p> <p>Input & Output Devices</p> <p>Wireless Keyboard and Mouse be included</p> <p>Monitor</p> <p>23.8" Full HD monitor with a wide viewing angle. Height adjustability, built-in speakers, and HDMI connectivity</p> <p>Power and Operating Requirements</p> <p>300 W internal power supply unit (PSU), 92% Efficient, 80 Plus Platinum</p> <p>Dimension and Weight (W x D x H)</p> <p>154.00 x 292.20 x 324.30 mm Starting weight 5.17 kg</p> <p>Warranty</p> <p>3 Year ProSupport NBD On-site Warranty</p>	
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(C) Printers

Category A Printers Specifications – Color LaserJet Printers	Tender Prize
<p>Function</p> <p>Color Laser Print</p> <p>Display</p> <p>6.8 cm (2.7 in) color graphic screen</p> <p>Print Speed - Up to 21 ppm Black and Color First Page Out As fast as 10.5 sec</p> <p>Printer Quality</p> <p>Up to 600 x 600 dpi</p> <p>Print Technology</p> <p>Laser</p> <p>Duty Cycle</p> <p>Up to 40,000 pages</p> <p>Memory</p> <p>256 MB DDR, 256 MB NAND Flash</p> <p>Processor Speed</p> <p>800 MHz</p> <p>Standard Printer Languages</p> <p>PCL6; PCL5c; postscript level 3 emulation; PWG raster; PDF; PCLm; PCLm-S; NativeOffice; URF</p> <p>Paper Handling</p> <p>250 sheet input trays</p> <p>Standard Media Sizes</p> <p>Executive (184 x 267 mm); Oficio 8.5x13 (216 x 330 mm); 4 x 6 (102 x 152 mm); 5 x 8 (127 x 203 mm); A4 (210 x 299 mm); A5 (148 x 210 mm); A6 (105 x 148 mm); B5(JIS) (182 x 257 mm); B6(JIS) (128 x 182 mm); 10 x 15cm (100 x 150 mm); Oficio (216 x 340 mm); 16K (195 x 270 mm; 184 x 260 mm; 197 x 273mm); Postcard(JIS) (100 x 147 mm); Double Postcard(JIS) (147 x 200 mm); Envelope #10 (105 x 241 mm); Envelope Monarch (98 x 191 mm); Envelope B5 (176 x 250 mm); Envelope C5 (162 x 229 mm); Envelope DL (110 x 220 mm); A5-R (210 x 148 mm)</p> <p>Custom Media Sizes</p>	



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<p>76 x 127 to 216 x 356 mm</p> <p>Media Types supported</p> <p>Paper (bond, brochure, colored, glossy, heavy, letterhead, light, photo, plain, preprinted, prepunched, recycled, rough), transparencies, labels, envelopes, cardstock</p> <p>Connectivity</p> <p>Hi-Speed USB 2.0 port; Built-in Fast Ethernet 10/100Base-TX network port; 802.11n 2.4/5GHz wireless; Walkup host USB port Built-in 802.11 b/g/n; Authentication via WEP, WPA/WPA2, or 802.1X; Encryption via AES or TKIP; WPS; Wi-Fi Direct</p> <p>Dimensions and Weight</p> <p>Dimensions (W x D x H) 392 x 419 x 247.5 mm</p> <p>Package Weight 14.8 kg</p> <p>Warranty</p> <p>3 Year Onsite Warranty to be included.</p>	
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Category B Printers Specifications – MFP COLOUR LASER Printers	Tender Prize
<p>Functions</p> <p>Print, Scan, Copy (Duplex Printing), Fax Optional</p> <p>Display</p> <p>20.3 cm Color Graphics Display (CGD) with touchscreen; Rotating (adjustable angle) display; Illuminated Home button</p> <p>Print Speed</p> <p>Up to 47 ppm</p> <p>First page out Black and Colour (A4, ready) As fast as 6.5 sec Colour</p> <p>Print Quality</p> <p>Up to 1200 x 1200 dpi Black and Colour</p> <p>Duty cycle Monthly</p> <p>Up to 100,000 pages</p>	



<p>Recommended monthly page volume</p> <p>2,000 to 14,000</p> <p>Print Technology</p> <p>Laser Black & Colour</p> <p>Standard Printer languages</p> <p>PCL 6; PCL 5c; postscript level 3 emulation; Native PDF printing (v 1.7); URF (AirPrint)</p> <p>Processor Speed</p> <p>1.2 GHz</p> <p>Connectivity</p> <p>1 Hi-Speed Device USB 2.0; 2 Host USB (1 walk-up and 1 external accessible); 1 Gigabit Ethernet 10/100/1000T network; 1 Hardware Integration Pocket</p> <p>Mobile ePrint; Apple AirPrint™; Mopria™-certified; Google Cloud Print 2.0</p> <p>Network Ready Standard (built-in Gigabit Ethernet)</p> <p>Memory Specification</p> <p>1.5 GB (printer); 512 MB (scanner)</p> <p>Internal Storage 500GB High-Performance Secure Hard Disk (AES 256 hardware encryption or greater)</p> <p>Paper Handling Input</p> <p>Standard 500-sheet output tray, two-sided printing</p> <p>100-sheet multi-purpose tray, 550-sheet input tray 2, 150-sheet automatic document feeder</p> <p>Optional 1 x 550-sheet paper feeder, optional 1 x 550 paper feeder and stand with cabinet, optional 3 x 550-sheet paper feeder and stand, optional high-capacity paper feeder and stand with 1 x 550 sheet feeder and 1 x 2,000-sheet feeder</p> <p>Paper Handling Output</p> <p>500-sheet output tray, two-sided printing</p> <p>Automatic document feeder capacity Standard, 150 sheets</p> <p>Media Sizes supported</p> <p>Tray 1: A4, A5, A6, RA4, B5, B6, 16k, 10 x 15 cm, Oficio, postcards (JIS single and double), envelopes (DL, C5, B5, C6); Tray 2: A4, A5, A6, RA4, B5, B6, 10 x 15 cm, Oficio, 16k, Postcard; Optional 550-</p>	
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sheet trays 3, 4, 5: A4, A5, A6, RA4, B5, B6, 10 x 15 cm, Oficio, 16k, Postcard; Optional 2,000-sheet high-capacity Tray 4: A4

Media Types

Paper (plain, light, bond, recycled, mid-weight, heavy, mid-weight glossy, heavy glossy, extra heavy, extra heavy glossy, cardstock, card glossy), colour transparency, labels, letterhead, envelope, pre-printed, prepunched, coloured, rough, opaque film, user-defined²

Input Capacity Optional

Optional 1 x 550-sheet paper feeder, optional 1 x 550 paper feeder and stand with cabinet, optional 3 x 550-sheet paper feeder and stand, optional high-capacity paper feeder and stand with 1 x 550 sheet feeder and 1 x 2,000-sheet feeder

Scanner Specification

Scan to E-mail; Save-to-Network Folder; Save-to-USB drive; Send to SharePoint; Send to FTP; Send to Internet Fax; Local Address Book; SMTP over SSL; Blank Page Removal; Edge Erase; Auto Color Sense; Auto Crop to Content; Compact PDF

Scanner Type Flatbed, ADF

Scan file format Digital Send: PDF, Hi-Compression PDF, JPEG, TIFF, MTIFF, XPS, PDF/A; Scan to easy access USB: PDF, JPEG, TIFF, MTIFF, XPS, PDF/A; Print from easy access USB: PDF, PS, Print Ready files (.prn,.pcl,.cht)

File Format Supported

Digital Send: PDF, Hi-Compression PDF, JPEG, TIFF, MTIFF, XPS, PDF/A; Scan to easy access USB: PDF, JPEG, TIFF, MTIFF, XPS, PDF/A; Print from easy access USB: PDF, PS, Print Ready files (.prn, .pcl, .cht)

Enhanced scanning resolution Up to 600 dpi

Scan resolution, optical Up to 600 dpi

Scan size (ADF), maximum 215.9 x 863.6 mm

Scan size (ADF), minimum 68 x 147 mm

Scan size, maximum 216 x 356 mm

Scan speed (normal, A4) Up to 69 ppm (black and white), up to 69 ppm (colour)

Scan speed duplex (normal, A4) Up to 111 ipm (black and white), up to 111 ipm (colour)

Scan technology Charge Coupled Device (CCD)

Power and Operating



Power Consumption 900 watts (printing/copying), 47 watts (ready), 0.9 watts (sleep), 0.9 watts (Auto Off/Manual On), 0.1 (Manual Off)

Input voltage: 220 V to 240V nominal, (+/-10%) 50 - 60Hz nominal (+/- 3Hz), 6A

Typical electricity consumption (TEC) number Blue Angel: 2.68 kWh/Week; Energy Star 3.0: 0.672 kWh/Week

Energy savings feature technology HP Auto-On/Auto-Off Technology; Instant-on Technology; Instant-on Copy

Ecolabels ENERGY STAR®, EPEAT® Silver; CECP

Security management

Identity management: Kerberos authentication; LDAP authentication; 1000 user PIN codes; Optional 3rd party advanced authentication solutions (e.g.; badge readers); Network: IPsec/firewall with Certificate; Pre-Shared Key, and Kerberos authentication; Supports WJA-10 IPsec configuration Plug-in; 802.1X authentication (EAP-PEAP; EAP-TLS); SNMPv3; HTTPS; Certificates; Access Control List; Data: Storage Encryption; Encrypted PDF & Email (uses FIPS 140 validated cryptographic libraries from Microsoft); Secure Erase; SSL/TLS (HTTPS); Encrypted Credentials; Device: Security lock slot; USB port disablement; Hardware integration pocket for security solutions; Intrusion Detection with Red Balloon Security Technology - Constant in-device monitoring for attacks; Sure Start Secure Boot - BIOS Integrity Checking with self-healing capability; Whitelisting - loads only known good code (DLLs, EXEs, ...); Security management: Compatible with Jet Advantage Security Manager, Device Security Syslog Messages processed and accessible in ArcSight and Splunk SIEMs

Dimension and Weight

Minimum Dimensions (W x D x H) 963 x 770 x 910 mm

Package Weight 42.3 kg

Toner Yield

Black Standard Toner 12,500 yield

Black High Capacity 28,000 yield

Colours Standard Toner 10,500 yield

Colours High Capacity 23,000 yield

Warranty

3 Year Onsite Warranty to be included



(d) Softwares and Licenses.

As and when required by the Municipality the successful panels as part of the scope of work would also be expected to supply and delivery computer software's and licenses at a price that would be agreed upon and later approved by the Municipality which amongst others may include but not limited to **Windows, Office, and any other ICT related software.** This line item also includes the renewal of the existing software licenses in used in the Municipality.

Amongst others below is list of software's currently in use within the Municipality.

- **Veeam Backup and Replication.**
- **Microsoft Office 365 E3.**
- **Netwrix Network Auditor.**
- **PRTG Network Monitor.**
- **GFI Mail Essentials.**
- **Windows 8.1 , 10 and 11 Professional.**
- **Microsoft Windows Server 2012 and 2022**
- **VMware Vsphere.**
- **TeamMate.**
- **Trend Micro Apex One Security Agent.**
- **Sophos (Firewall).**
- **TitanHQ SpamTitan.**

(h) Any other IT related items.

As and when required by the Municipality the successful panels as part of the scope of will again be expected to supply and delivery any IT items that has a direct impact to the functionality of the ICT Infrastructure at a price that would be agreed upon and later approved by the Municipality.