



Name of Equipment: MULTIFUNCTION INKJET PRINTER (A3)

Description: For daily document printing, copying and scanning

<i>Main Equipment Components</i>	<i>Specification</i>
General	
<i>Print Technology</i>	Inkjet (Color)
<i>Print Speed</i>	Draft: 32 ppm or ISO: 20 ipm; speed measured using A4/Letter size paper
<i>Print Quality</i>	4800 x 1200 dpi
<i>Copy Speed</i>	Draft: 30 cpm or ISO: 11 ipm; speed measured using A4/Letter size paper
<i>Scan Resolution</i>	1200 dpi
<i>Scan Features</i>	Multi-sheet scan to single PDF file
<i>Scan Type</i>	Flatbed and ADF
<i>Duty Cycle</i>	5,000 pages per month
<i>Ink System</i>	Continuous Ink Supply System or Ink Tank System (original or built-in); Refill must be available nationwide. Certificate of Authenticity is required.
<i>Network Interface</i>	Fast Ethernet
<i>IO Ports</i>	USB 2.0; Ethernet (RJ-45)
Paper Handling	
<i>Duplex Printing</i>	Automatic two-sided printing
<i>Paper Trays</i>	Two Trays (Standard Input tray, Multi-purpose tray)
<i>Maximum Media Size</i>	A3 (11.7in x 17in)
<i>Media Type</i>	Paper (bond, light, heavy, plain, recycled, rough), envelopes, labels, cardstock, photo, brochures.
Software	
<i>Supported OS</i>	Windows 11, 10, 8.1 (32-bit and 64-bit)
<i>Drivers</i>	Original CD/DVD copy or in any electronic media storage. Must be compatible with 32-bit and 64-bit operating system.
Accessories	<i>Specification</i>
<i>Ink Tank</i>	Pre-installed ink tanks with additional three (3) standard ink refill bottles per color.
<i>Cables and Connectors</i>	All necessary cables and connectors; patch cable (CAT6, factory crimped with RJ-45 connector, 5 meters, preferably color orange).

Other Requirements:

Brand and Model: Must be an International Brand Name with existence of at least 10 years in the Philippines. Unit model must be in current catalog and not end-of-life. Manufacturer's certificate is required.

Regulatory: ENERGY STAR certified (with Energy Star Stamp). For printers that do not carry Energy Star label, an appropriate means of proof of Energy consumption level shall be submitted such as technical dossier of the manufacturer or attest report from a recognized body to demonstrate compliance with this requirement.

Documentation and Media: The equipment shall be supplied with standard manufacturer documentation, on any electronic storage media and hard copy version where available.



Department of Public Works and Highways
CENTRAL OFFICE

**Standard Technical Specifications for
ICT Equipment**

Issue Date:	03 19 24
Doc. Code:	DPWH-IMS-OMP-IMSPPS-04-08c
Revision No.	5
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Name of Equipment: MULTIFUNCTION INKJET PRINTER (A3)

Description: For daily document printing, copying and scanning

Warranty and Maintenance: The Supplier is required to provide a one (1) year warranty for parts and onsite labor from the date of the Inspection and Acceptance Report (IAR).

Technical Support: The local technical support through telephone and email, 8 hours per day (8:00am - 5:00pm), 5 days a week (Monday - Friday) for problem resolution. Support shall have a response time of next business day.

Additional Notes: N/A

Prepared by:

Checked by:


MARY JANE N. PANTOJA
Chief, Business Innovation Division
MJP


RHALF B. CAWALING
Director, Information Management Service

Approved by:


ADOR G. CANLAS, CESO IV
Undersecretary, Technical Services
and Information Management Service



Name of Equipment: MULTIFUNCTION LASER PRINTER (Monochrome, A4)

Description: For document printing, copying and scanning

Main Equipment Components		Specification
General		
<i>Print Technology</i>		Laser (Monochrome)
<i>Print Speed</i>		40 ppm; speed measured using A4 size paper
<i>Print Quality</i>		1200 x 1200 dpi
<i>Copy Speed</i>		40 cpm; speed measured using A4 size paper
<i>Scan Resolution</i>		600 dpi
<i>Scan Features</i>		Multi-sheet scan to single PDF file
<i>Scan Type</i>		Flatbed and ADF
<i>Monthly Duty Cycle</i>		75,000 pages
<i>Memory</i>		1 GB
<i>Ink/Toner System</i>		Genuine Toner (high yield); Toner must be available nationwide. A certificate of authenticity is required.
<i>Network Interface</i>		Gigabit Ethernet
<i>IO Ports</i>		USB 2.0; Ethernet (RJ-45)
Paper Handling		
<i>Duplex Printing</i>		Automatic two-sided printing
<i>Paper Trays</i>		Two Trays (Standard Input Tray, Multi-purpose Tray)
<i>Maximum Media Size</i>		Legal (8.5in x 14in)
<i>Media Type</i>		Paper (bond, light, heavy, plain, recycled, rough), envelopes, labels, cardstock, photo, brochures.
Software		
<i>Supported OS</i>		Windows 11, 10 (32-bit and 64-bit)
<i>Drivers</i>		Original CD/DVD copy or in any electronic media storage. Must be compatible with 32-bit and 64-bit operating system.
Accessories		Specification
<i>Ink/Toner Cartridge</i>		Pre-installed toner with additional one (1) high yield genuine toner
<i>Cables and Connectors</i>		All necessary cables and connectors; patch cable (CAT6, factory crimped with RJ-45 connector, 5 meters, preferably color orange)

Other Requirements:

Brand and Model: Must be an International Brand Name with existence of at least 10 years in the Philippines. Unit model must be in current catalog and not end-of-life. A manufacturer's certificate is required.



**Standard Technical Specifications for
Printers**

Name of Equipment: MULTIFUNCTION LASER PRINTER (Monochrome, A4)

Description: For document printing, copying and scanning

Regulatory: ENERGY STAR certified (with Energy Star Stamp). For printers that do not carry the Energy Star label, an appropriate means of proof of Energy consumption level shall be submitted such as technical dossiers of the manufacturer or attest report from a recognized body to demonstrate compliance with this requirement.

Documentation and Media: The equipment shall be supplied with standard manufacturer documentation, on any electronic storage media and hard copy version where available.

Warranty and Maintenance: The Supplier must provide one (1) year warranty for parts and onsite labor from the date of the Inspection and Acceptance Report (IAR).

Technical Support: The local technical support through telephone and email, 8 hours per day (8:00 am - 5:00 pm), 5 days a week (Monday - Friday) for problem resolution. Support shall have a response time of next business day.

Additional Notes: N/A

Prepared by:

Checked by:

MARY JANE N. PANTOJA
Chief, Business Innovation Division
245 KRC

RHALF B. CAWALING
Director, Information Management Service

Approved by:

ADOR G. CANLAS, CESO IV
Undersecretary, Technical Services
and Information Management Service

Approved Date: 07 10 24

**Standard Technical Specifications for
Desktop Computers****Name of Equipment: DESKTOP COMPUTER for Administrative Use****Description:** For Administrative Use

Main Equipment Components		Specification
Computer		
	<i>Processor & Chipset</i>	Core-i5 (12th Gen), 6-cores and 64-bit or its equivalent
	<i>Internal Memory</i>	8 GB DDR4
	<i>Storage</i>	1TB 7200RPM HDD
	<i>Display & Graphics</i>	21-inch Diagonal Full High-Definition Wide Screen or Wide Viewing Angle LED Display (same brand as CPU); Integrated graphics memory
	<i>Audio</i>	Integrated Sound Card with internal/external speaker
	<i>Expansion Slot</i>	4 slots on-board, at least 1 PCI Express slot
	<i>I/O Ports</i>	6 USB (2 front, 4 rear at least 1 Type-C), VGA, Audio, HDMI/Display Port, Ethernet (RJ-45)
	<i>Network Interface</i>	Integrated Gigabit Ethernet
	<i>Casing</i>	Two (2) external drive bays
Software		
	<i>Operating System</i>	Licensed OEM Windows 11 Professional 64-bit with media installer. Must be activated with Microsoft prior to delivery.
	<i>Recovery Media</i>	All drivers and utilities must be stored in any electronic storage media. It must be properly labeled and virus-free.
	<i>Office Software</i>	Microsoft Office Standard (latest version) under Cloud Solution Provider (CSP) Agreement. The licenses must be perpetual and transferable. It must be licensed and named after the DPWH and can be added to the Department's existing tenant domain dpwhgovph.onmicrosoft.com and primary domain dpwh.gov.ph. The Supplier must present a certificate as a Certified CSP Direct Partner in the Philippines.
Accessories		Specification
	<i>Keyboard</i>	Manufacturer's Standard (same brand as the computer)
	<i>Mouse</i>	Optical with a mouse pad (same brand as the computer)
	<i>Webcam</i>	2MP FHD
	<i>Headset</i>	Headset with Microphone (1-meter cable length, with noise cancellation feature, audio jack/USB connections type. Must be compatible with the offered desktop)
	<i>Power Supply</i>	Manufacturer's Standard
	<i>Cables and Connectors</i>	All necessary cables and connectors; patch cord (CAT6, factory crimped with RJ-45 connector, 5 meters, preferably color orange).
Other Requirements:		

Brand and Model: Must be an International Brand Name with an existence of at least ten (10) years in the Philippines. It must be in the current catalog and not end-of-life. The Manufacturer's certificate is required.

Components: All Components must be the same brand as the computer (except for the webcam, and headset) and manufacturer installed. The supplier is not allowed to change or add any components to the equipment.



**Standard Technical Specifications for
Desktop Computers**

Name of Equipment: DESKTOP COMPUTER for Administrative Use

Description: For Administrative Use

Regulatory: ENERGY STAR certified (with Energy Star Stamp). For Desktop Computers that do not carry an Energy Star label, an appropriate means of proof of Energy consumption levels shall be submitted such as a technical dossier of the manufacturer or a test report from a recognized body to demonstrate compliance with this requirement.

Documentation and Media: All equipment shall be supplied with standard manufacturer documentation, on any electronic storage media and hard copy version where available.

Warranty and Maintenance: The Supplier must provide a 1-year warranty on all parts including mouse, headset with microphone, and associated software and onsite labor from the Date of the Inspection and Acceptance Report (IAR).

Technical Support: The local technical support shall include telephone and email, 8 hours per day (8:00 am - 5:00 pm) 5 days a week (Monday - Friday) for problem resolution. Support shall have a response time of the next business day.

Additional Notes:

The UPS (650VA) shall be issued in bundle with the Desktop Computer for Administrative Use tech specs.

Prepared by:

Checked by:

MARY JANE N. PANTOJA
Chief, Business Innovation Division

KFA KFC

RHALF B. CAWALING
Director, Information Management Service

Approved by:

ADOR G. CANLAS, CESO IV
Undersecretary, Technical Services
and Information Management Service

Approved Date: 07-10-24



Republic of the Philippines
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
CENTRAL OFFICE
Manila



BAGONG PILIPINAS



CERTIFICATION

This is to certify that the goods stated below have been evaluated and passed the requirement for technical specifications in accordance with the standard of the Department, to wit:

Item Description	Quantity	Request ID No.	Office
1. Document Scanner (A3) DPWH-IMS-OMP-IMSPPS-04-04b	1	R80742-W64639	For Construction Section
2. Desktop Computer (Specialized Software Applications Use) DPWH-IMS-OMP-IMSPPS-04-03b	3		
3. Multifunction Inkjet Printer (A4) DPWH-IMS-OMP-IMSPPS-04-08a	1		For COA / Auditor's Office
	1	R80820-W64679	For Network/ICT Office
4. Laptop Computer (Specialized Applications Software Use) DPWH-IMS-OMP-IMSPPS-04-07c	2	R80742-W64639	For Construction Section
5. Smartphone DPWH-IMS-OMP-IMSPPS-04-10	7	R80820-W64679	
6. Multifunction Inkjet Printer (A3) DPWH-IMS-OMP-IMSPPS-04-08c	1		For Office of the Assistant District Engineer
7. Laptop Computer (Applications Use) DPWH-IMS-OMP-IMSPPS-04-07b	1		For Planning and Design Section

Issued on **April 24, 2024** upon request of **Misamis Occidental 2nd DEO**, Region X, for procurement purposes. In adherence with the Department Order no. 167 s. 2022, please adopt and ensure compliance to the standard technical specifications issued on March 19, 2024.

For our detailed evaluation, please see attached Annex A.


RHALF B. CAWALING
Director, Information Management Service

Encl: As stated

11.1.4 KGS/NRL/RGB

CERTIFICATION

This is to certify that the goods stated below have been evaluated and passed the requirement for technical specifications in accordance with the standard of the Department, to wit:

Item Description	Quantity	Request ID No.	Office
1. Document Scanner (A3) DPWH-IMS-OMP-IMSPPS-04-04b	1	R80742-W64639	For Construction Section
2. Desktop Computer (Specialized Software Applications Use) DPWH-IMS-OMP-IMSPPS-04-03b	3		
3. Multifunction Inkjet Printer (A4) DPWH-IMS-OMP-IMSPPS-04-08a	1		For COA / Auditor's Office
	1	R80820-W64679	For Network/ICT Office
4. Laptop Computer (Specialized Applications Software Use) DPWH-IMS-OMP-IMSPPS-04-07c	2	R80742-W64639	For Construction Section
5. Smartphone DPWH-IMS-OMP-IMSPPS-04-10	7	R80820-W64679	
6. Multifunction Inkjet Printer (A3) DPWH-IMS-OMP-IMSPPS-04-08c	1		
7. Laptop Computer (Applications Use) DPWH-IMS-OMP-IMSPPS-04-07b	1		For Planning and Design Section

Issued on **April 24, 2024** upon request of **Misamis Occidental 2nd DEO**, Region X, for procurement purposes. In adherence with the Department Order no. 167 s. 2022, please adopt and ensure compliance to the standard technical specifications issued on March 19, 2024.

For our detailed evaluation, please see attached Annex A.


RHALF B. CAWALING
 Director, Information Management Service

End: As stated

11.1.4 KGS/NRL/FGB



CERTIFICATION

This is to certify that the goods stated below have been evaluated and passed the requirement for technical specifications in accordance with the standard of the Department, to wit:

Item Description	Quantity	Request ID No.	Office
1. Multifunction Inkjet Printer (A4) DPWH-IMS-OMP-IMSPPS-04-08a	2	R84651- W67405	For Quality Assurance Section
2. UPS (650VA) for Workstation DPWH-IMS-OMP-IMSPPS-04-11b	6		

Issued on **June 18, 2024** upon request of **Misamis Occidental 2nd DEO**, Region X, for procurement purposes. In adherence with the Department Order no. 167 s. 2022, please adopt and ensure compliance to the standard technical specifications issued on March 19, 2024.

For our detailed evaluation, please see attached Annex A.


RHALF B. CAWALING
Director, Information Management Service

End: As stated

11.1.4 KGS/NRL/FGB





CERTIFICATION

This is to certify that the goods stated below have been evaluated and passed the requirement for technical specifications in accordance with the standard of the Department, to wit:

Item Description	Quantity	Request ID No.	Office
1. Desktop Computer for Administrative Use QMS-11.1.1-042 Rev00 /	✓ 1	R85979- W68273	For Procurement Office
	✓ 1		For Cash/Administrative Section
2. Multifunction Inkjet Printer (A4) QMS-11.1.1-050 Rev00	✓ 2		For Procurement Office
	✓ 1		For Cash/Administrative Section

Issued on **July 15, 2024** upon request of **Misamis Occidental 2nd DEO**, Region X, for procurement purposes. In adherence with the Department Order no. 167 s. 2022, please adopt and ensure compliance to the approved technical specifications dated July 10, 2024.

RHALF B. CAWALING
Director, Information Management Service

11.1.4 KGS/NRL/FGB



Name of Equipment: MULTIFUNCTION LASER PRINTER (Monochrome, A4)

Description: For document printing, copying and scanning

Main Equipment Components		Specification
General		
<i>Print Technology</i>		Laser (Monochrome)
<i>Print Speed</i>		40 ppm; speed measured using A4 size paper
<i>Print Quality</i>		1200 x 1200 dpi
<i>Copy Speed</i>		40 cpm; speed measured using A4 size paper
<i>Scan Resolution</i>		600 dpi
<i>Scan Features</i>		Multi-sheet scan to single PDF file
<i>Scan Type</i>		Flatbed and ADF
<i>Monthly Duty Cycle</i>		75,000 pages
<i>Memory</i>		1 GB
<i>Ink/Toner System</i>		Genuine Toner (high yield); Toner must be available nationwide. A certificate of authenticity is required.
<i>Network Interface</i>		Gigabit Ethernet
<i>IO Ports</i>		USB 2.0; Ethernet (RJ-45)
Paper Handling		
<i>Duplex Printing</i>		Automatic two-sided printing
<i>Paper Trays</i>		Two Trays (Standard Input Tray, Multi-purpose Tray)
<i>Maximum Media Size</i>		Legal (8.5in x 14in)
<i>Media Type</i>		Paper (bond, light, heavy, plain, recycled, rough), envelopes, labels, cardstock, photo, brochures.
Software		
<i>Supported OS</i>		Windows 11, 10 (32-bit and 64-bit)
<i>Drivers</i>		Original CD/DVD copy or in any electronic media storage. Must be compatible with 32-bit and 64-bit operating system.
Accessories		Specification
<i>Ink/Toner Cartridge Cables and Connectors</i>		Pre-installed toner with additional one (1) high yield genuine toner All necessary cables and connectors; patch cable (CAT6, factory crimped with RJ-45 connector, 5 meters, preferably color orange)
Other Requirements:		
Brand and Model: Must be an International Brand Name with existence of at least 10 years in the Philippines. Unit model must be in current catalog and not end-of-life. A manufacturer's certificate is required.		



**Standard Technical Specifications for
Printers**

Name of Equipment: MULTIFUNCTION LASER PRINTER (Monochrome, A4)

Description: For document printing, copying and scanning

Regulatory: ENERGY STAR certified (with Energy Star Stamp). For printers that do not carry the Energy Star label, an appropriate means of proof of Energy consumption level shall be submitted such as technical dossiers of the manufacturer or attest report from a recognized body to demonstrate compliance with this requirement.

Documentation and Media: The equipment shall be supplied with standard manufacturer documentation, on any electronic storage media and hard copy version where available.

Warranty and Maintenance: The Supplier must provide one (1) year warranty for parts and onsite labor from the date of the Inspection and Acceptance Report (IAR).

Technical Support: The local technical support through telephone and email, 8 hours per day (8:00 am - 5:00 pm), 5 days a week (Monday - Friday) for problem resolution. Support shall have a response time of next business day.

Additional Notes: N/A

Prepared by:

Checked by:

MARY JANE N. PANTOJA

Chief, Business Innovation Division

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RHALF B. CAWALING

Director, Information Management Service

Approved by:

ADOR G. CANLAS, CESO IV

Undersecretary, Technical Services
and Information Management Service

Approved Date: 07 10 2014



**Standard Technical Specifications for
Desktop Computers**

Name of Equipment: DESKTOP COMPUTER for Administrative Use

Description: For Administrative Use

<i>Main Equipment Components</i>		<i>Specification</i>
Computer	<i>Processor & Chipset</i>	Core-i5 (12th Gen), 6-cores and 64-bit or its equivalent
	<i>Internal Memory</i>	8 GB DDR4
	<i>Storage</i>	1TB 7200RPM HDD
	<i>Display & Graphics</i>	21-inch Diagonal Full High-Definition Wide Screen or Wide Viewing Angle LED Display (same brand as CPU); Integrated graphics memory
	<i>Audio</i>	Integrated Sound Card with internal/external speaker
	<i>Expansion Slot</i>	4 slots on-board, at least 1 PCI Express slot
	<i>I/O Ports</i>	6 USB (2 front, 4 rear at least 1 Type-C), VGA, Audio, HDMI/Display Port, Ethernet (RJ-45)
	<i>Network Interface</i>	Integrated Gigabit Ethernet
	<i>Casing</i>	Two (2) external drive bays
	Software	
	<i>Operating System</i>	Licensed OEM Windows 11 Professional 64-bit with media installer. Must be activated with Microsoft prior to delivery.
	<i>Recovery Media</i>	All drivers and utilities must be stored in any electronic storage media. It must be properly labeled and virus-free.
	<i>Office Software</i>	Microsoft Office Standard (latest version) under Cloud Solution Provider (CSP) Agreement. The licenses must be perpetual and transferable. It must be licensed and named after the DPWH and can be added to the Department's existing tenant domain dpwhgovph.onmicrosoft.com and primary domain dpwh.gov.ph. The Supplier must present a certificate as a Certified CSP Direct Partner in the Philippines.
<i>Accessories</i>		<i>Specification</i>
	<i>Keyboard</i>	Manufacturer's Standard (same brand as the computer)
	<i>Mouse</i>	Optical with a mouse pad (same brand as the computer)
	<i>Webcam</i>	2MP FHD
	<i>Headset</i>	Headset with Microphone (1-meter cable length, with noise cancellation feature, audio jack/USB connections type. Must be compatible with the offered desktop)
	<i>Power Supply</i>	Manufacturer's Standard
	<i>Cables and Connectors</i>	All necessary cables and connectors; patch cord (CAT6, factory crimped with RJ-45 connector, 5 meters, preferably color orange).

Other Requirements:

Brand and Model: Must be an International Brand Name with an existence of at least ten (10) years in the Philippines. It must be in the current catalog and not end-of-life. The Manufacturer's certificate is required.

Components: All Components must be the same brand as the computer (except for the webcam, and headset) and manufacturer installed. The supplier is not allowed to change or add any components to the equipment.



Name of Equipment: DESKTOP COMPUTER for Administrative Use

Description: For Administrative Use

Regulatory: ENERGY STAR certified (with Energy Star Stamp). For Desktop Computers that do not carry an Energy Star label, an appropriate means of proof of Energy consumption levels shall be submitted such as a technical dossier of the manufacturer or a test report from a recognized body to demonstrate compliance with this requirement.

Documentation and Media: All equipment shall be supplied with standard manufacturer documentation, on any electronic storage media and hard copy version where available.

Warranty and Maintenance: The Supplier must provide a 1-year warranty on all parts including mouse, headset with microphone, and associated software and onsite labor from the Date of the Inspection and Acceptance Report (IAR).

Technical Support: The local technical support shall include telephone and email, 8 hours per day (8:00 am - 5:00 pm) 5 days a week (Monday - Friday) for problem resolution. Support shall have a response time of the next business day.

Additional Notes:

The UPS (650VA) shall be issued in bundle with the Desktop Computer for Administrative Use tech specs.

Prepared by:

Checked by:

MARY JANE N. PANTOJA
Chief, Business Innovation Division

KFA HFC

RHALF B. CAWALING
Director, Information Management Service

Approved by:

ADOR G. CANLAS, CESO IV
Undersecretary, Technical Services
and Information Management Service

Approved Date: 07-1-24



Republic of the Philippines
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
CENTRAL OFFICE
Manila



SAGONG PILIPINAS

DPWH-MODEO-H
TANGUB CITY
RMU-HRA
RECEIVED: *[Signature]*
DATE: 7/14/2024
TIME: 10:56 AM

CERTIFICATION

This is to certify that the goods stated below have been evaluated and passed the requirement for technical specifications in accordance with the standard of the Department, to wit:

Item Description	Quantity	Request ID No.	Office
1. Document Scanner (A3) DPWH-IMS-OMP-IMSPPS-04-04b	✓ 1	R80742-W64639	For Construction Section
2. Desktop Computer (Specialized Software Applications Use) DPWH-IMS-OMP-IMSPPS-04-03b	✓ 3		
3. Multifunction Inkjet Printer (A4) DPWH-IMS-OMP-IMSPPS-04-08a	✓ 1		For COA / Auditor's Office
	✓ 1	R80820-W64679	For Network/ICT Office
4. Laptop Computer (Specialized Applications Software Use) DPWH-IMS-OMP-IMSPPS-04-07c	✓ 2	R80742-W64639	For Construction Section
5. Smartphone DPWH-IMS-OMP-IMSPPS-04-10	✓ 7	R80820-W64679	
6. Multifunction Inkjet Printer (A3) DPWH-IMS-OMP-IMSPPS-04-08c	✓ 1		For Office of the Assistant District Engineer
7. Laptop Computer (Applications Use) DPWH-IMS-OMP-IMSPPS-04-07b	✓ 1		For Planning and Design Section

Issued on **April 24, 2024** upon request of **Misamis Occidental 2nd DEO**, Region X, for procurement purposes. In adherence with the Department Order no. 167 s. 2022, please adopt and ensure compliance to the standard technical specifications issued on March 19, 2024.

For our detailed evaluation, please see attached Annex A.

[Signature]
RHALF B. CAWALING
Director, Information Management Service

Encl: As stated

11.1.4 KGS/NRL/FGB