



**Name of Equipment: DESKTOP COMPUTER for Administrative Use**

**Description:** For Administrative Use

**Main Equipment Components**

**Specification**

**Computer**

*Processor & Chipset*

Core-i5 (12th Gen), 6-cores and 64-bit or its equivalent

*Internal Memory*

8 GB DDR4

*Storage*

1TB 7200RPM HDD

*Display & Graphics*

21-inch Diagonal Full High-Definition Wide Screen or Wide Viewing Angle LED Display (same brand as CPU); Integrated graphics memory

*Audio*

Integrated Sound Card with internal / external speaker

*Expansion Slot*

4 slots on-board, at least 1 PCI Express slot

*I/O Ports*

6 USB (2 front, 4 rear at least 1 Type-C), VGA, Audio, HDMI / Display Port, Ethernet (RJ-45)

*Network Interface*

Integrated Gigabit Ethernet

*Casing*

Two (2) external drive bays

**Software**

*Operating System*

Licensed OEM Windows 11 Professional 64-bit with media installer. Must be activated with Microsoft prior to delivery.

*Recovery Media*

All drivers and utilities must be stored in any electronic storage media. It must be properly labelled and virus free.

*Office Software*

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**

*Keyboard*

Manufacturer's Standard (same brand as the Computer)

*Mouse*

Optical with mouse pad (same brand as the Computer)

*Webcam*

2MP FHD

*Headset*

Headset with Microphone (1-meter cable length, with noise cancellation feature, audio jack/USB connections type. Must be compatible with the offered desktop)

*Power Supply*

Manufacturer's Standard

*Cables and Connectors*

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 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.



Department of Public Works and Highways  
CENTRAL OFFICE

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**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 the standard manufacturer documentation, on any electronic storage media and hard copy version where available.

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

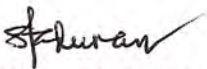
**Technical Support:** The local technical support shall include telephone and email, 8 hours per day (8:00am - 5:00pm) 5 days a week (Monday - Friday) for problem resolution. Support shall have a response time of next business day.

**Additional Notes:**

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

Prepared by:

Checked by:

  
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**RHALF B. CAWALING**  
Director, Information Management Service

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**ADOR G. CANLAS, CESO IV**  
Undersecretary, Technical Services  
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**Name of Equipment: DESKTOP COMPUTER for Applications Use**

**Description:** For Applications Use

**Main Equipment Components**

**Specification**

**Computer**

*Processor & Chipset*

Core-i5 (12th Gen), 6-cores and 64-bit or its equivalent

*Internal Memory*

16 GB DDR4

*Storage*

1TB 7200RPM HDD + 512GB SSD

*Display & Graphics*

21-inch Diagonal Full High-Definition Wide Screen or Wide Viewing Angle LED Display (same brand as CPU); 2 GB GDDR6 dedicated graphics memory

*Audio*

Integrated Sound Card with internal / external speaker

*Expansion Slot*

4 slots on-board, at least 1 PCI Express slot

*I/O Ports*

6 USB (2 front, 4 rear atleast 1 Type-C), VGA, Audio, HDMI / Display Port, Ethernet (RJ-45)

*Network Interface*

Integrated Gigabit Ethernet

*Casing*

Two (2) external drive bays

**Software**

*Operating System*

Licensed OEM Windows 11 Professional 64-bit with media installer. Must be activated with Microsoft prior to delivery.

*Recovery Media*

All drivers and utilities must be stored in any electronic storage media. It must be properly labelled and virus free.

*Office Software*

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**

*Keyboard*

Manufacturer's Standard (same brand as the Computer)

*Mouse*

Optical with mouse pad (same brand as the Computer)

*Webcam*

2MP FHD

*Headset*

Headset with Microphone (1-meter cable length, with noise cancellation feature, audio jack/usb connections type. Must be compatible with the offered desktop)

*Power Supply*

Manufacturer's Standard

*Cables and Connectors*

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 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.



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**Name of Equipment: DESKTOP COMPUTER for Applications Use**

**Description:** For Applications 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 is required to provide a 1-yr warranty on all parts including mouse, and headset with microphone, 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 (8:00am - 5:00pm) 5 days a week (Monday - Friday) for problem resolution. Support shall have a response time of next business day.

**Additional Notes:**

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

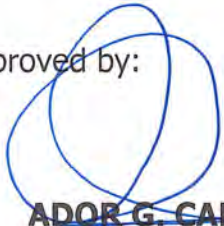
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Chief, Business Innovation Division  
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**RHALF B. CAWALING**  
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Undersecretary, Technical Services  
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**Name of Equipment: DESKTOP COMPUTER (Specialized Software Application Use)**

**Description:** For Specialized Software Application Use

| <b>Main Equipment Components</b> |                                | <b>Specification</b>                                                                                                                                                                                                                                                                                                                                                                                         |
|----------------------------------|--------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Computer</b>                  | <i>Processor &amp; Chipset</i> | Core-i7 (12th Gen), 8-cores and 64-bit or its equivalent                                                                                                                                                                                                                                                                                                                                                     |
|                                  | <i>Internal Memory</i>         | 32GB DDR4                                                                                                                                                                                                                                                                                                                                                                                                    |
|                                  | <i>Storage</i>                 | 1TB 7200RPM HDD + 512GB SSD                                                                                                                                                                                                                                                                                                                                                                                  |
|                                  | <i>Display &amp; Graphics</i>  | 23-inch to 24-inch Diagonal Full High-Definition Wide Screen or Wide Viewing Angle LED Display (same brand as CPU); 6 GB GDDR6 dedicated graphics memory                                                                                                                                                                                                                                                     |
|                                  | <i>Audio</i>                   | Integrated Sound Card with internal / external speaker                                                                                                                                                                                                                                                                                                                                                       |
|                                  | <i>Expansion Slot</i>          | 4 slots on-board, atleast 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                                                                                                                                                                                                                                                                                                                                                                                  |
|                                  | <b>Software</b>                |                                                                                                                                                                                                                                                                                                                                                                                                              |
|                                  | <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 labelled and virus free.                                                                                                                                                                                                                                                                                       |
|                                  | <i>Office Software</i>         | Microsoft Office Standard (latest version) under Cloud Solution Provider (CSP) Agreement. The licenses must be perpetual and transferrable. 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. |
| <b>Accessories</b>               |                                | <b>Specification</b>                                                                                                                                                                                                                                                                                                                                                                                         |
|                                  | <i>Keyboard</i>                | Manufacturer's Standard (same brand as the Computer)                                                                                                                                                                                                                                                                                                                                                         |
|                                  | <i>Mouse</i>                   | Optical with 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 existence of at least ten (10) years in the Philippines. It must be in the current catalog and not end-of life. 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 (Specialized Software Application Use)**

**Description:** For Specialized Software Application 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 is required to provide a 1-yr warranty on all parts including mouse, and headset with microphone, 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 (8:00am - 5:00pm) 5 days a week (Monday - Friday) for problem resolution. Support shall have a response time of next business day.

**Additional Notes:**

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

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Undersecretary, Technical Services  
and Information Management Service



**Name of Equipment: LAPTOP COMPUTER for Administrative Use**

**Description:** For Administrative Use

| <b>Main Equipment Components</b> |                                | <b>Specification</b>                                                                                                                                                                                                                                                                                                                                                                                         |
|----------------------------------|--------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Laptop</b>                    | <i>Processor &amp; Chipset</i> | Core-i5 (12th Gen), 10-cores and 64-bit or its equivalent                                                                                                                                                                                                                                                                                                                                                    |
|                                  | <i>Internal Memory</i>         | 8GB DDR4                                                                                                                                                                                                                                                                                                                                                                                                     |
|                                  | <i>Storage</i>                 | 512GB SSD                                                                                                                                                                                                                                                                                                                                                                                                    |
|                                  | <i>Display &amp; Graphics</i>  | 14" Diagonal Full High-Definition LED Wide Screen Display with integrated graphics memory                                                                                                                                                                                                                                                                                                                    |
|                                  | <i>Audio</i>                   | Integrated high-definition audio support, integrated speakers and integrated digital microphone.                                                                                                                                                                                                                                                                                                             |
|                                  | <i>Webcam</i>                  | Integrated widescreen HD                                                                                                                                                                                                                                                                                                                                                                                     |
|                                  | <i>I/O Ports</i>               | 3 USB (atleast 1 Type-C), HDMI/DisplayPort, Headphone/Microphone Jack                                                                                                                                                                                                                                                                                                                                        |
|                                  | <i>Network Interface</i>       | Bluetooth, and wireless LAN (auto detecting and auto sensing)                                                                                                                                                                                                                                                                                                                                                |
|                                  | <i>Weight</i>                  | not more than 1.63 kg / 3.59 lbs.                                                                                                                                                                                                                                                                                                                                                                            |
|                                  | <b>Software</b>                |                                                                                                                                                                                                                                                                                                                                                                                                              |
|                                  | <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 labelled and virus free.                                                                                                                                                                                                                                                                                       |
|                                  | <i>Office Software</i>         | Microsoft Office Standard (latest version) under Cloud Solution Provider (CSP) Agreement. The licenses must be perpetual and transferrable. 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. |
| <b>Accessories</b>               |                                | <b>Specification</b>                                                                                                                                                                                                                                                                                                                                                                                         |
|                                  | <i>Mouse</i>                   | Optical with mouse pad (same brand as the Laptop)                                                                                                                                                                                                                                                                                                                                                            |
|                                  | <i>Carry Case</i>              | Manufacturer's Standard                                                                                                                                                                                                                                                                                                                                                                                      |
|                                  | <i>Cable Adapter</i>           | Gigabit Ethernet Cable Adapter (for laptop models without Ethernet port)                                                                                                                                                                                                                                                                                                                                     |
|                                  | <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 laptop)                                                                                                                                                                                                                                                 |

**Other Requirements:**

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

**Components:** All components must be same brand as the Laptop and factory installed and new. The Supplier is not allowed to change or add any components to the equipment.

**Regulatory:** ENERGY STAR certified (with Energy Star Stamp). For Laptops 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.



Department of Public Works and Highways  
CENTRAL OFFICE

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**Name of Equipment: LAPTOP COMPUTER for Administrative Use**

**Description:** For Administrative Use

**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 is required to provide a 1-yr warranty on all parts including mouse, and headset with microphone, associated software and onsite labor from the Date of the Inspection and Acceptance Report (IAR).

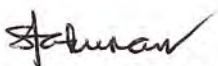
In any case that the Laptop needs to be pullout for servicing, the Supplier must return the unit within two (2) weeks or a service unit with the same or higher specifications must be issued.

**Technical Support:** The local technical support shall include 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

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



**Name of Equipment: LAPTOP COMPUTER for Applications Use**

**Description:** For Applications Use

| <b>Main Equipment Components</b> |                                | <b>Specification</b>                                                                                                                                                                                                                                                                                                                                                                                        |
|----------------------------------|--------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Laptop</b>                    | <i>Processor &amp; Chipset</i> | Core-i7 (12th Gen), 10-cores, and 64-bit or its equivalent                                                                                                                                                                                                                                                                                                                                                  |
|                                  | <i>Internal Memory</i>         | 16GB DDR4                                                                                                                                                                                                                                                                                                                                                                                                   |
|                                  | <i>Storage</i>                 | 512GB SSD                                                                                                                                                                                                                                                                                                                                                                                                   |
|                                  | <i>Display &amp; Graphics</i>  | 14" Diagonal Full High-Definition LED Wide Screen Display; 2GB GDDR6 dedicated graphics memory                                                                                                                                                                                                                                                                                                              |
|                                  | <i>Audio</i>                   | Integrated high-definition audio support, integrated speakers and integrated digital microphone.                                                                                                                                                                                                                                                                                                            |
|                                  | <i>Webcam</i>                  | Integrated widescreen HD                                                                                                                                                                                                                                                                                                                                                                                    |
|                                  | <i>I/O Ports</i>               | 3 USB (atleast 1 Type-C), HDMI/DisplayPort, Headphone/Microphone Jack                                                                                                                                                                                                                                                                                                                                       |
|                                  | <i>Network Interface</i>       | Bluetooth, and wireless LAN (auto detecting and auto sensing)                                                                                                                                                                                                                                                                                                                                               |
|                                  | <i>Weight</i>                  | not more than 1.9 kg / 4.2 lbs                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Software</b>                  | <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 labelled 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. |
| <b>Accessories</b>               |                                | <b>Specification</b>                                                                                                                                                                                                                                                                                                                                                                                        |
|                                  | <i>Mouse</i>                   | Optical with mouse pad (same brand as the Laptop)                                                                                                                                                                                                                                                                                                                                                           |
|                                  | <i>Carry Case</i>              | Manufacturer's Standard                                                                                                                                                                                                                                                                                                                                                                                     |
|                                  | <i>Cable Adapter</i>           | Gigabit Ethernet Cable Adapter (for laptop models without Ethernet port)                                                                                                                                                                                                                                                                                                                                    |
|                                  | <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 laptop)                                                                                                                                                                                                                                                |

**Other Requirements:**

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

**Components:** All components must be same brand as the Laptop and factory installed and new. The Supplier is not allowed to change or add any components to the equipment.

**Regulatory:** ENERGY STAR certified (with Energy Star Stamp). For Laptops 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.



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**Name of Equipment: LAPTOP COMPUTER for Applications Use**

**Description:** For Applications Use

**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 is required to provide a 1-yr warranty on all parts including mouse, and headset with microphone, associated software and onsite labor from the Date of the Inspection and Acceptance Report (IAR).

In any case that the Laptop needs to be pullout for servicing, the Supplier must return the unit within two (2) weeks or a service unit with the same or higher specifications must be issued.

**Technical Support:** The local technical support shall include 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

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**Name of Equipment: LAPTOP COMPUTER for Specialized Applications Software Use**

**Description:** For Specialized Applications Software Use

**Main Equipment Components**

**Specification**

**Laptop**

*Processor & Chipset*

Core-i7 (12th Gen), 14-cores and 64-bit or its equivalent

*Internal Memory*

32 GB DDR5

*Storage*

1 TB SSD

*Display & Graphics*

15.6"-16" Diagonal Full High-Definition Wide Screen Display; 6GB GDDR6 dedicated graphics memory

*Audio*

Integrated high-definition audio support, integrated speakers and integrated digital microphone

*Webcam*

Integrated widescreen HD

*I/O Ports*

3 USB (atleast 1 Type-C), HDMI/DisplayPort, Headphone/Microphone Jack

*Network Interface*

Bluetooth, and wireless LAN (auto detecting and auto sensing)

*Weight*

not more than 2.5 kg / 5.5 lbs

**Software**

*Operating System*

Licensed OEM Windows 11 Professional 64-bit with media installer. Must be activated with Microsoft prior to delivery.

*Recovery Media*

All drivers and utilities must be stored in any electronic storage media. It must be properly labelled and virus free.

*Office Software*

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**

*Mouse*

Optical with mouse pad (same brand as the Laptop)

*Carry Case*

Manufacturer's Standard

*Cable Adapter*

Gigabit Ethernet Cable Adapter (for laptop models without Ethernet port)

*Headset*

Headset with Microphone (1-meter cable length, with noise cancellation feature, audio jack/USB connections type. Must be compatible with the offered laptop)

**Other Requirements:**

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

**Components:** All components must be same brand as the Laptop and factory installed and new. The Supplier is not allowed to change or add any components to the equipment.

**Regulatory:** ENERGY STAR certified (with Energy Star Stamp). For Laptops 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.



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**Name of Equipment: LAPTOP COMPUTER for Specialized Applications Software Use**

**Description:** For Specialized Applications Software Use

**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 is required to provide a 1-yr warranty on all parts including mouse, and headset with microphone, associated software and onsite labor from the Date of the Inspection and Acceptance Report (IAR).

In any case that the Laptop needs to be pullout for servicing, the Supplier must return the unit within two (2) weeks or a service unit with the same or higher specifications must be issued.

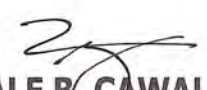
**Technical Support:** The local technical support shall include telephone and email, 8 hours per day (8:00am - 5:00pm) 5 days a week (Monday - Friday) for problem resolution. Support shall have a response time of next business day.

**Additional Notes:** N/A

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**Name of Equipment: MULTIFUNCTION INKJET PRINTER (A3)**

**Description:** For daily document printing, copying and scanning

**Main Equipment Components**

**Specification**

**General**

*Print Technology*

Inkjet (Color)

*Print Speed*

Draft: 32 ppm or ISO: 20 ipm; speed measured using A4/Letter size paper

*Print Quality*

4800 x 1200 dpi

*Copy Speed*

Draft: 30 cpm or ISO: 11 ipm; speed measured using A4/Letter size paper

*Scan Resolution*

1200 dpi

*Scan Features*

Multi-sheet scan to single PDF file

*Scan Type*

Flatbed and ADF

*Duty Cycle*

5,000 pages per month

*Ink System*

Continuous Ink Supply System or Ink Tank System (original or built-in); Refill must be available nationwide. Certificate of Authenticity is required.

*Network Interface*

Fast Ethernet

*IO Ports*

USB 2.0; Ethernet (RJ-45)

**Paper Handling**

*Duplex Printing*

Automatic two-sided printing

*Paper Trays*

Two Trays (Standard Input tray, Multi-purpose tray)

*Maximum Media Size*

A3 (11.7in x 17in)

*Media Type*

Paper (bond, light, heavy, plain, recycled, rough), envelopes, labels, cardstock, photo, brochures.

**Software**

*Supported OS*

Windows 11, 10, 8.1 (32-bit and 64-bit)

*Drivers*

Original CD/DVD copy or in any electronic media storage. Must be compatible with 32-bit and 64-bit operating system.

**Accessories**

**Specification**

*Ink Tank*

Pre-installed ink tanks with additional three (3) standard ink refill bottles per color.

*Cables and Connectors*

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**

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Revision No.

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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

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**Name of Equipment: UPS (650VA) for Workstation**

**Description:** Continuous power supply and data loss prevention

**Main Equipment Components**

**Specification**

*Power Ratings*

650VA/390W

230V - Input/Output Voltage

5 minutes back-up power at half load

8 hours recharge time

*Outlets*

2 power output / connectors

*Features*

Built-in Automatic Voltage Regulator (AVR), Automatic Self-Test (built-in), Alarms (Online, on battery, replacement battery, and overload)

**Accessories**

**Specification**

*Cables and Connectors*

All necessary cables and connectors.

**Other Requirements:**

**Brand and Model:** Must be an International Brand Name with existence of at least five (5) years in the Philippines. Unit model must be in current catalog and not end-of-life. Manufacturer's certificate is required.

**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 is required to provide a one (1) year warranty for parts and on-site labor from the date of the Inspection and Acceptance Report.

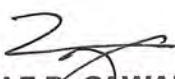
**Technical Support:** The local technical support shall include telephone and email, 8 hours per day (8:00am - 5:00pm) 5 days a week (Monday - Friday) for problem resolution. Support shall have a response time of next business day.

**Additional Notes:** N/A

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**Name of Equipment: UPS (1500VA) for Admin Server / eNGAS Server**

**Description:** Continuous power supply and data loss prevention

**Main Equipment Components**

**Specification**

*Power Ratings*

1500VA/1200W  
230V - Input/Output Voltage  
10 minutes back-up power at half load  
8 hours recharge time

*IO Ports*

USB, RJ45 / SNMP Card

*Outlets*

4 power output / connectors

*Features*

Built-in Automatic Voltage Regulator (AVR), Automatic Self-Test (built-in), Alarms (Online, on battery, replacement battery, and overload)

**Software**

*Management Software*

Built-in or with media installer monitoring tool and diagnostic software accessible via desktop application and/or web browser

**Accessories**

**Specification**

*Cables and Connectors*

All necessary cables and connectors; patch cord (CAT6, factory crimped with RJ45 connector, 5 meters, preferably gray and adapters.)

**Other Requirements:**

**Brand and Model:** Must be an International Brand Name with existence of at least five (5) years in the Philippines. Unit model must be in current catalog and not end-of-life. Manufacturer's certificate is required.

**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 is required to provide a three (3) year warranty for parts and on-site labor from the date of the Inspection and Acceptance Report.

**Technical Support:** The local technical support shall include 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

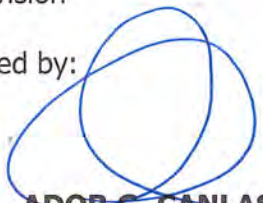
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