



Republic of the Philippines

DEPARTMENT OF SCIENCE AND TECHNOLOGY

Philippine Atmospheric, Geophysical and Astronomical Services

Administration (PAGASA)

18 July 2023

SUPPLEMENTAL / BID BULLETIN

Addendum No. 2023-009-01

**Subject: Terms of Reference for the Supply and Delivery of Various ICT Equipment – GCF-IBFPh Project
PR No.2023-06-0396 / IB No. 2023-009**

This Bid Bulletin is being issued to provide all prospective bidders the correct Terms of Reference and Schedule of Requirements for the project due to inadvertent conversion of documents.

This Supplemental Bid Bulletin shall form an integral part of the said Bidding Documents.

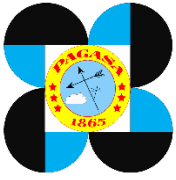
For guidance and information of all participating bidders.

BONIFACIO G. PAJUELAS, Ph.D.
Chairperson, PAGASA-BAC

"tracking the sky...helping the country"

Science Garden Compound, BIR Road, Brgy. Central, Quezon City,
Metro Manila, Philippines 1100

Tel. No. (02) 8284-08-00
Website: <http://bagong.pagasa.dost.gov.ph>



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DEPARTMENT OF SCIENCE AND TECHNOLOGY

**Philippine Atmospheric, Geophysical and Astronomical Services
Administration (PAGASA)**

TERMS OF REFERENCE

FOR THE SUPPLY AND DELIVERY OF VARIOUS ICT EQUIPMENT FOR THE IMPLEMENTATION OF THE GCF-IBFPh PROJECT

1. Overview

This ICT equipment will provide relevant technical support in the project, specifically for all needed hazard modeling, numerical simulations, report formulation, and the other activities under the project.

In this aspect, in order to proceed and fully implement the GCF-IBFPh Project, various ICT equipment will be needed for all technical activities in support of the targets and objectives set for the implementing year.

2. Approved Budget for the Contract (ABC)

The approved budget for the contract is **Seven Million Seven Hundred Eighty-Nine Thousand Nine Pesos (Php 7,789,009.00) only** inclusive of Vat and all applicable government taxes.

3. Qualifications of Bidders - (Please refer to Section II. Instructions to Bidders, the Bid Data Sheet and Checklist of Eligibility Requirements

4. Bid Proposal Contents

The prospective bidder is expected to comply and respond in accordance with the specific instructions to bidders and submit all the documentary requirements under the Checklist of Eligibility,

Technical and, Financial Requirements. The submission of documentary requirements must be properly arranged in order and with labels.

The prospective bidder shall respond paragraph by paragraph and shall clearly indicate compliance to all the required specifications (Please see Section TECHNICAL SPECIFICATIONS) and shall specify the number of days or schedules within which to complete the delivery of all the goods required.

5. **Place and Delivery Period** - The winning bidder shall complete the Supply and Delivery at **PAGASA Weather and Flood Forecasting Center Building, BIR Road, Brgy, Central, Quezon City**, within **60 calendar days** from the date of issuance of the Notice to Proceed.

6. **Technical Specification**: The winning bidder shall supply, deliver and test the deliverable equipment with the following minimum specifications:

LOT A: Supply and Delivery of Computer System and Peripherals

set	Computer Desktop (high-end)	15	Processor: at least Intel i7 with latest generation (up to 4.9 Ghz, 25 MB Cache, 12 cores, 20 threads) Memory: 16GB DDR4 3200 MHz RAM (2 x 8 GB DDR4) Storage: 1TB HDD storage + 512 GB SSD Graphics card: GTX 1660 (6GB GDDR6) Connectivity: Wifi, Bluetooth UPS: at least 2000VA/1200W rating capacity Monitor: Screen size 27 inches input: HDMI port, Display Port Form Factor: Tower Type
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			<p>Operating System: Windows 11 Pro or better</p> <p>Accessories: Keyboard and Mouse</p> <p>Microsoft office 365 software with 5 year subscription</p>
set	Laptop computer, 14 inches	11	<p>Processor: AMD Ryzen 5 (E-cores up to 3.30 GHz P-cores up to 4.40 GHz)</p> <p>Operation System: Windows 11 64 bit or better</p> <p>Storage: At least 512 GB</p> <p>Memory: 16GB DDR4-3200MHz (8 GB (Soldered) + 8 GB SODIMM)</p> <p>Display: at least 14 Inches screen size</p> <p>Accessories: Microsoft office 365 software with 5 years subscription</p>
set	Laptop computer, 15 inches	8	<p>Processor: AMD Ryzen 6850H (8 cores, 16 threads, 3.2GHz, L1 512KB, L2 4MB, L3 16MB cache)</p> <p>Operation System: Windows 11 64 bit or better</p> <p>Storage: 512 PCIe Gen 4, NVMe performance, SSD</p> <p>Memory: at least 8GB DDR5 4800MHz</p> <p>Graphic Card: mobile GPU 4GB GDDR6</p> <p>Display: at least 15 Inches screen size non touch 300 nits</p> <p>Connectivity: Wifi 6E, Bluetooth V5.1</p> <p>Accessories: Microsoft office 365 software with 5 years subscription</p>
set	Laptop computer, 13 inches	6	<p>Processor: 8-core CPU, 10-core GPU, 16-core Neural Engine</p> <p>Memory: at least 8GB unified memory</p> <p>Storage: at least 512 GB or better</p> <p>Display: at least 13 Inches screen size with true tone</p> <p>Accessories: Microsoft office 365 software with 5</p>

			years subscription USB-C to Multiple ports (HDMI, USB 3.0, LAN) adaptor
set	Computer Monitor (widescreen)	2	Display: 29 inches screen size Ports and Built-ins: 2 x 3W speakers 3.5 mm audio out jack, HDMI 1.4 Display Port 1.2

LOT B: Supply and Delivery of Digital Imaging and Printing Devices

unit	All-in-one InkJet Printer	13	Functions: Print, scan, copy Print speed black: Up to 11 ppm on standard; Up to 22 ppm on draft Print speed color: Up to 5 ppm on standard; Up to 16 ppm on draft connectivity: Wireless built-in dual band Wi-Fi 802.11b/g/n, Wireless direct, Bluetooth Hi-Speed USB 2.0 Scanner Type: Flatbed Scan Resolution: Optical: Up to 1200 dpi Display: 7 segment + 2-inch icon display Processor speed: 1.2 GHz
set	Portable Inkjet Printer	1	Printing Resolution: Up to 4800 (horizontal), 1200 (vertical) dpi Paper and Print handling: Printable width Up to 203.2 mm (8") Borderless printing capable Paper tray handle up to 50 pages Connectivity: Wireless Lan (2.5/5GHZ) USB type-C Interface Direct Connect thru wireless LAN

			<p>Network Type: IEEE802.11a/b/g/n</p> <p>Range: Indoor 50 m (depends on the transmission speed and conditions)</p> <p>Printing Resolution: Up to 4800 (horizontal), 1200 (vertical) dpi</p> <p>Accessories: 3 pieces Tri-Colour cartridge CLI-36 3 pieces Black cartridge PGI-35 PGBK</p>
set	Large Format Scanner	1	<p>Scanning width : at least 914 mm (36")</p> <p>optical resolution: up to 1200 dpi</p> <p>Scan speed: at least 13 in/sec</p> <p>Max scan width: at least 36in (914mm)</p> <p>Max media width: at least 38in (965mm)</p> <p>Imaging technology: SingleSensor</p> <p>Scanning accuracy: at least +/-0.1% +/-1 pixel</p> <p>Interface: USB 3.0 data transfer rates up to 85MB/sec</p> <p>Operating system compatibility: Windows 11 64-bit, Windows 10 64/23 bit, Windows Server 2022</p> <p>Accessories: Floor stand with PC mounting Document return guide</p>
unit	Digital Cameras	3	<p>Type: Compact Camera</p> <p>Sensor: at least 1.0-type 20mp</p> <p>Sensor range: Auto, 100 to 51200 (Extended: 50 to 204800)</p> <p>Processor: Bionz XR</p> <p>Maximum Video resolution: At least 4K 60p</p> <p>Video in 10-Bit</p> <p>Shutter Speed: At least 1/8000 up to 30 Second</p> <p>Continuous-Servo AF (C), Direct Manual Focus (DMF), Manual Focus (M), Single-Servo AutoFocus (S)</p> <p>Contrast Detection: 425 Screen 3.2 inches</p> <p>1,036,800 Dot Free-Angle Tilting Touchscreen LCD</p> <p>Others: Fast Hybrid AF System, Real-time</p>

			Tracking and Real-time Eye AF, 5-Axis SteadyShot INSIDE Image Stabilization, at least 4k video recording Support UVC and UAC Power Supply: Battery DC3.6V(battery), DC5.0V(AC Adaptor)
set	Video Camera Recorder	1	Supported Resolutions Full HD (1920 x 1080) / HD (1280 x 720) Slow Motion Effect Yes Sensor Size 6.17 mm x 4.55 mm (BSI type) Sensor Type BSI MOS Effective Pixels 6.03 megapixels Accessories: 57-Inch Tripod, Three Way Fluid Pan Head, Quick Release Mount, Supports up to 5 Pounds of Weight

LOT C: Supply and Delivery of Mobile Communication Devices

set	Mobile Tablet	7	Display Size: at least 12 inches screen with WQXGA+ resolution Processor: Octa-Core 3.09GHz, 2.4GHz, 1.8GHz Memory: 8GB Storage: at least 128GB or better Operating System: At least Android system Connectivity support: Wi-Fi, Bluetooth v5.0, GPS, USB v3.1 Camera resolution: at least 13 megapixels on rear and 8 megapixels on front Storage expansion: compatible MicroSD card up to 1TB capacity Inclusive of original charger
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set	Mobile Tablet	9	<p>Display size; at least 10 inches</p> <p>Processor: 8-core CPU with 4 performance cores and 4 efficiency cores 8-core GPU with 16 cores neutral engine</p> <p>Memory: 8GB</p> <p>Storage Capacity: at least 128GB or better</p> <p>Operation system: atleast latest iOS version</p> <p>Camera Resolution: 12MP Wide camera with 5 times digital zoom</p> <p>Inclusive of original charger</p>
set	Mobile Tablet, 2 in 1	4	<p>Display Size: at least 10 inches screen, Memory: 8GB</p> <p>processor: at least intel Core i3</p> <p>Storage capacity: at least 128GB</p> <p>operating system: windows 11</p> <p>Accessories: Case cover with integrated keyboard and mouse pad</p> <p>Stylus slim pen</p> <p>Inclusive of original charger</p>
set	Mobile Phone	10	<p>Display: at least 6 inches AMOLED display</p> <p>Processor: 8 cores, up to 2600MHz with Mali-G68 MC4 GPU</p> <p>Memory: 8GB</p> <p>Storage: 256GB</p> <p>Camera: Rear - 50 Mega Pixels Triple Camera, Front - 16 Mega Pixels</p> <p>Network: 5G capable</p> <p>Operating system: at least the latest android version</p> <p>Inclusive of original charger</p>

LOT D: Supply and Delivery of Backup UPS and Storage Devices

set	Network-attached-storage 32TB	5	<p>No. bays: at least 5 bays</p> <p>Processor: AMD Ryzen 64 bit, up to 3.1 GHz or better</p> <p>Memory: at least 8GB - DDR4</p> <p>Storage: 32 TB usable storage with Raid 5 configuration</p> <p>Ports: 4 x 1GbE lan ports, 2 x usb 3.2 Gen 1 port</p> <p>HDD: 5 x 8TB 3.5 Inches NAS grade with sata interface</p>
unit	UPS	3	<p>Output power capacity: at least 360 Watts / 650VA</p> <p>Output Connections: at least four (4) NEMA 5-15R</p> <p>Nominal Output Voltage: 230V</p> <p>Nominal Input Voltage: 230V</p> <p>Input Connections: NEMA 5-15P</p>
unit	UPS (TOWER TYPE)	1	<p>Output power capacity: at least 2000VA</p> <p>Form factor: Tower type</p> <p>Output Connections: at least 6 IEC C13</p> <p>Nominal Output Voltage 230V</p> <p>Nominal Input Voltage 230V</p> <p>Others: USB and Serial communication</p> <p>Graphic LCD display</p>
unit	External Hard drive USB 3.1	3	<p>Capacity: 10 TB</p> <p>Cache: 256 MB spin speed: 5400RPM</p>

7. General Note

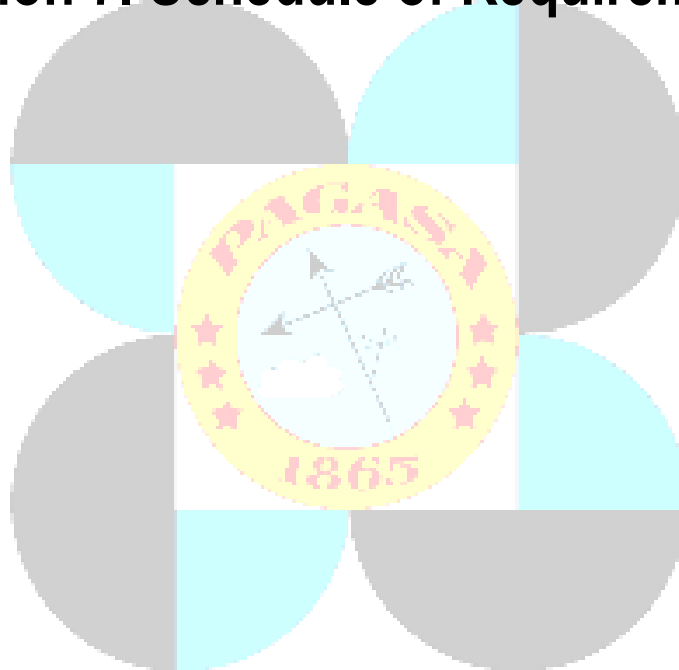
In advocacy for green environmental approach and promoting climate change adaptation for a sustainable environment, the winning bidder shall include in the specification of each deliverable at least one (1) of the items listed below:

1. The winning bidder shall supply equipment that fulfills at least ENERGY STAR 6.1 for computers and 7.0 for monitors criteria.
2. The winning bidder shall supply products with a visible On/Off switch
3. The winning bidder shall supply products that are designed for ease of parts replacement or upgrades.
4. The winning bidder shall provide products where the replacement batteries and power supplies are guaranteed for at least 5 years after the end of production.
5. The winning bidder must provide evidence that these specifications are met (Brochure, Datasheet, etc.,).

8. Warranty

1. One (1) year warranty on all proposed hardware and accessories.
2. Availability of technical support 24/7 via email, phone, or SMS during the warranty period.

Section 7. Schedule of Requirements



Schedule of Requirements

The delivery schedule expressed as weeks/months stipulates hereafter a delivery date which is the date of delivery to the project site.

Item Number	Description	Qty	Unit	Total	Delivered, Weeks/Months
	Lot A: Supply and Delivery of Computer System and Peripherals				
1	Computer Desktop, high end	15	set		
2	Laptop Computer, 14 inches	11	set		
3	Laptop Computer, 15 inches	8	set		
4	Laptop Computer, 13 inches	6	set		
5	Computer Monitor, widescreen	2	set		
	Lot B: Supply and Delivery of Digital Imaging and Printing Devices				
1	All-in-One Inkjet Printer	13	unit		
2	Portable Inkjet Printer	1	set		
3	Large Format Scanner	1	set		
4	Digital Cameras	3	unit		
5	Video Camera Recorder	1	set		
	Lot C: Supply and Delivery of Mobile Communication Devices				
1	Mobile Tablet, 12 inches	7	set		
2	Mobile Tablet, 10 inches	9	set		
3	Mobile Tablet, 2 in 1	4	set		
4	Mobile Phone	10	set		

N.B. Use extra sheet if necessary.

I hereby certify to comply and deliver the Items within _____ (days/months) upon receipt of Notice to Proceed (NTP) from the PAGASA.

 Name of Company/Bidder

 Signature over Printed Name of Bidder

 Date

Schedule of Requirements

The delivery schedule expressed as weeks/months stipulates hereafter a delivery date which is the date of delivery to the project site.

Item Number	Description	Qty	Unit	Total	Delivered, Weeks/Months
Lot D: Supply and Delivery of Backup UPS and Storage Devices					
1	Network Attached Storage (NAS), 32TB	5	set		
2	UPS	3	unit		
3	UPS, Tower type	1	unit		
4	External Hard Drive, USB 3.1, 10 TB	3	unit		

N.B. Use extra sheet if necessary.

I hereby certify to comply and deliver the Items within _____ (days/months) upon receipt of Notice to Proceed (NTP) from the PAGASA.

 Name of Company/Bidder

 Signature over Printed Name of Bidder

 Date