SUPPLEMENTAL BID BULLETIN

ADDENDUM NO. 2021-05-020-01

This Addendum is issued to modify items in the Bid Documents. This shall form an integral part of the Bid Documents. The following agreements and reminders were discussed during the Pre-Bid Conference held last **June 1, 2021** for the **SUPPLY AND DELIVERY OF VARIOUS ICT EQUIPMENTS, SUPPLIES AND PERIPHERALS BATCH 3 FOR CY 2021- IB NO. BSWM 2021-05-020** with an ABC of **Four Million Five Hundred Seventy-Two Thousand Seven Hundred Seventy-Three Pesos (Php 4,572,773.00).**

The Bureau is now adopting the GPPB Resolution No. 16-2020 dated September 16, 2020 (Simplified PBDs shall be used for Competitive Bidding of Procurement Projects that will be posted upon its effectivity on 06 October 2020).

AGREEMENTS AND REMINDERS DURING THE PRE-BID CONFERENCE:

✓ The documents required for eligibility, technical proposal and financial proposal are found at **Section VIII – Checklist of Technical and Financial Documents** of the bidding document.

✓ **For SLCC,** similar contract shall be contract for supply and delivery of various ICT supplies, equipment and peripherals and/or its equivalent, completed within 2 consecutive years **from date of opening of bids**.

The Bidder must have completed a single contract that is similar to this project, equivalent to **at least fifty percent (50%) of the ABC (Php 2,286,386.50).**

✓ Please see attached **sample form** for **Single Largest Completed Contract (SLCC)** and form for **Statement of all ongoing Government & Private Contracts** including Contracts Awarded but not yet started for your reference. (ANNEXES A and B)

Note: if no ongoing projects/ contracts, please state "none" or "no ongoing projects/contracts" in the form for the Statement of all on going Government and Private Contracts.

✓ Delivery of the Goods/Services is required as stated in the attached **Revised Section VI. Schedule of Requirements (ANNEX C).**

✓ **Awarding is per item basis** - One Project having several items, which shall be awarded as separate contracts per item.

REVISED TECHNICAL SPECIFICATION:

Particular	Revised Specification
Item #63:	Storage Backup Plus 6TB; **External Hard Drive**

Reminders:

Please **indicate the brand name and model of the item you are offering** under the word "comply" for evaluation purposes.

Please see the attached Revised Section VII. Technical Specification (ANNEX D).

Bidders who wish to attend the Opening of sealed Bids will be allowed thru videoconferencing (via Zoom) as per GPPB Resolution No. 24-2018. Please coordinate with the BAC Secretariat a day before the Opening of bids thru bswm.bacsec@gmail.com. Said activity will also be available "live" through BSWM Procurement Service FB Page (https://www.facebook.com/bswmpms).

An authorization letter and photocopy of company ID for the representative of the bidders who shall submit bid proposal and will join the opening of bids on behalf of their company is required to be presented (including online attendees).

For bank-to-bank payment (Land bank of the Philippines) for the purchase of bidding documents, please coordinate with the BAC Secretariat thru bswm.bacsec@gmail.com.

REITERATION OF THE BIDDING DOCUMENTS:

o Bidding will be conducted through open competitive bidding procedures using a non-discretionary "pass/fail" criterion as specified in the Implementing Rules and Regulations (IRR) of Republic Act (RA) 9184, otherwise known as the "Government Procurement Reform Act"

"Any lacking documents can cause the automatic disqualification of bids."

o Below are the **acceptable forms of bid security** that bidders may opt to use, **which shall include the Bid Securing Declaration.** The amount of which shall not be less than the required percentage of the ABC in accordance with the following schedule:

Form of Bid Security	Amount of Bid Security (Not less than the required Percentage of the ABC)
Cash or cashier's/manager's check issued by a Universal or Commercial Bank.	Two percent (2%)
Bank draft/guarantee or irrevocable letter of credit issued by a Universal or Commercial Bank: Provided, however, that it shall be confirmed or authenticated by a Universal or Commercial Bank, if issued by a foreign bank.	
Surety bond callable upon demand issued by a surety or insurance company duly certified by the Insurance Commission as authorized to issue such security.	Five percent (5%)

o Bidders have the option to choose from any of the four (4) forms of Bid Security provided in the bid documents including the Bid Securing Declaration.

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o   Please be guided that the surety bond issued by GSIS as well as a cash deposit certificate is no longer accepted.

o   The bidders are reminded that their Bids and Bid Securities should be valid and firm for a period that shall not exceed one hundred twenty (120) calendar days after the date of the opening of bids

o   The computation of a prospective bidder's NFCC must be at least equal to the ABC to be bid, calculated as follows:

NFCC= [(Current assets minus current liabilities) (15)] minus the value of all outstanding or uncompleted portions of the projects under going contracts, including awarded contract yet to be started, coinciding with the contract to be bid.

Note: K= 15 is a constant factor per RA 9184 Revised IRR

o   The bidders are requested to submit two (2) separate envelopes, placed in one sealed envelope. An illustration is provided on the bidding documents showing the required envelopes and markings of the documents for the eligibility screening, technical and financial proposal.

The bidders shall submit one (1) copy of original documents (certified true copies) and one (1) duplicate copy.

o   The bidders are reminded of the:

Requirements to be submitted within five (5) calendar days after the receipt of the Notice from the BAC that your bid has been identified as the Lowest Calculated Bid (LCB) and is subject for Post-Qualification of BAC TWG as stated in ITB Clause no. 20.2 of the Bid Documents.

Submission of the required Performance Security and Signed Contract Agreement within ten (10) calendar days after the receipt of Notice of Award (NOA) as Single/Lowest Calculated and Responsive Bid (SCRB/LCRB) as stated in RA 9184 Section 37.2.1 and Section 37.2.

In order to assure that manufacturing defects shall be corrected by the Supplier, a **warranty shall be required from the Supplier** as provided under Section 62.1 of the 2016 revised IRR of RA 9184 and as stated in the bidding documents Section VII- General Condition of Contract (GCC) Clause no. 5.

o   Bidders may download the **updated Bidding Forms** as of October 6, 2020 at GPPB Website **(https://www.gppb.gov.ph/downloadables.php) .**

o   **All bidders** who wish to join the bidding **shall download the attached document from PhilGEPS website** to be included in the DRL (Document Request List). This is for awarding purposes in compliance to Section 37.1.6 of RA9184.

o   For easy reference, **all bidders shall provide dog-ear codes in the presentation of their documents.**

o   **All pages/documents must be duly signed** by the authorized representative (original and duplicate proposal)

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o In case of withdrawal of submitted proposal, a letter stating their intention to withdraw from the project should be submitted by the bidder before the scheduled Opening of Bids.

Deadline of submission of bidding documents is on June15, 2021, 9:00AM.

Opening of Bids is on June 15, 2021, 9:30AM at BSWM Convention Hall. For precautionary measure against the COVID 19, attendance is through videoconferencing only.

Schedule of Submission and Opening of Bids is subject to change due to Community Quarantine enforced by the government in line with the COVID-19 pandemic. Please refer to the BSWM PhilGEPS posting for updates (https://www.philgeps.gov.ph/) and BSWM Procurement Service FB page https://www.facebook.com/bswmpms.

For guidance and information of all concerned.

DR. GINA P. NILO

Chairperson, Bids and Awards Committee

June 1, 2021

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ANNEX A

Statement of all Ongoing Government & Private Contracts Including Contracts Awarded but not yet Started

Business Name: :
Business Address: :

Name of Contract/ Project Cost	a. Owner's Name b. Address c. Telephone Nos.	Nature of Work	Bidders Role Description	%	a. Date Awarded b. Date Started c. Date of Completion	% of Accomplishment Planned	Actual	Value of Outstanding Works / Undelivered Portion
Government								
Private								
						Total Cost		

Submitted by: :
(Printed Name and Signature)

Designation: :
Date: :

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Statement of Single Largest Completed Contract similar to the contract to be bid

Business Name   : _____

Business Address   : _____

Business Contact Nos and Email Address: _____

Name of Contract/Projects	a. Owner's Name b. Address c. Telephone Nos.	Nature of Work	Bidder's Role		a. Amount at Award b. Amount at Completion c. Duration	a. Date Awarded b. Contract Effectivity c. Date Completed
			Description	%		
Government / Private						

Note: This statement shall be supported with any of the following documents during the **Post-Qualification of the BAC:**

1. Purchase Order and/or Contract of Agreement;
2. Certificate of Completion or End-user's Acceptance;
3. Official Receipt/s issued for the contract

_____

Signature over Printed Name

[title or other appropriate designation]

[date of signing]

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Annex C- REVISED SECTION VI. SCHEDULE OF REQUIREMENTS

Item #	Item Description	Quantity	Unit	Delivery days/weeks/months
	PR 2021-00-0034 SCMD R & D CORN			
1	Keyboard and Mouse Combo (Wireless Full-size) Long range wireless 2.4 GHz Full size keyboard and mouse Bluetooth receiver Plug and play with On/Off switch with CAPS lock indicator light with battery indicator light	5	pc	Within 30 calendar days upon receipt of NTP
2	USB 3.0 Hub (4-port), Ultra slim High speed USB splitter Portable extension data hub Compatible for mouse, keyboard, flash drive HDD or more	10	pc	Within 30 calendar days upon receipt of NTP
3	Flash Drive (OTG MicroB 64GB) OTG USB 3.0 up to 150 MB/s USB-A; Micro B 64 GB	20	pc	Within 30 calendar days upon receipt of NTP
4	External SSD, 500GB External Solid State Drive (SSD) Portable at least 550 MB/s transfer Weight should not exceed 140 g 500 GB	4	pc	Within 60 calendar days upon receipt of NTP
5	RAM Desktop (DDR4 16GB)	4	pc	Within 60 calendar days upon receipt of NTP
6	RAM Desktop (DDR3 8GB)	4	pc	Within 60 calendar days upon receipt of NTP
7	External Hard Disk Drive (HDD) Portable Compatible with Windows and Mac at least 120 MB/s transfer Weight should not exceed 140 g 1 TB	4	pc	Within 60 calendar days upon receipt of NTP
8	Internal Solid State Drive (SSD) at least 550 MB/s transfer SATA 500 GB	4	pc	Within 60 calendar days upon receipt of NTP
9	OTG USB 3.0 up to 150 MB/s USB-A; Type C 64 GB	15	pc	Within 30 calendar days upon receipt of NTP
	PR 2021-00-0042 SCMD MANILA BAY			
10	Compact all-in-one Printer: Print, copy, scan, wireless Print speed: Black (A4, ISO): Up to 8 ppm; Colour (A4, ISO): Up to 5 ppm; Print resolution: Black (best): Up to 1200 x 1200 rendered dpi; Colour (best): Up to 4800 x 1200 optimised dpi colour; Monthly duty cycle: Up to 1,000 pages A4; Scan File Type: Bitmap (.bmp), JPEG (.jpg), PDF (.pdf), PNG (.png), TIFF (.tif) Scanner type: Single-page document feeder; Optical scan resolution: Up to 600 dpi Connectivity: 1 Hi-Speed USB 2.0; Wireless via built-in Wi-Fi 802.11b/g/n Mobile printing, Network via built-in wireless 802.11b/g/n, Compatible operating systems: Windows 10/ 8.1/ 8/ 7 Power Requirements: Input voltage 200 to 240 VAC, 50/60 Hz;	4	Unit	Within 60 calendar days upon receipt of NTP

11	Portable Sheetfed Document Scanner (Wireless) Scanner Type: A4 sheet-fed colour scanner Sensor Type: Contact Image Sensor (CIS) Scanning Method: Fixed document and moving carriage Light Source: RGB LED Optical Resolution: 600 x 600 dpi Output Resolution: 50 - 1,200 dpi (in 1 dpi increments) Max Document Size: 216 x 1,828.8 mm Supported Paper Weight: 35 - 270 g/m2 Daily Scan Volume: Up to 300 sheets / day Scan Speed: 200dpi: 5.5sec; 300dpi: 5.5sec; 600dpi: 9.0sec Supported OS: Windows XP / Vista / 7 / 8 / 8.1 / 10 File Format: JPEG, PDF, Searchable PDF, DOCX, XLSX, PPTX	1	Unit	Within 60 calendar days upon receipt of NTP
	PR 2021-04-0691 SCMD Regular Fund			
12	**Portable Scanner**	4	pcs	Within 60 calendar days upon receipt of NTP
	Sensor Type: Contact Image Sensor (CIS)			
	Scanning Method: Fixed document and moving carriage			
	Optical Resolution :600 x 600dpi			
	Max Document Size: 216x1,828.8mm			
	Daily Scan Volume: Up to 300 sheets/day			
	Interface:USB 2.0 (Micro-B)			
	Resolution Colour/Monochrome): 200dpi: 5.5 sec 300 dpi: 5.5sec 600dpi: 9.0sec			
13	Action camera 4k @ 30 fps At least 12 mp Battery life up to 120 minutes Memory: Class 10 MicroSD and SDXC cards (or better) are acceptable, allows maximum storage up to 128 GB Has GPS, Voice control, Bluetooth, WiFi Waterproof: 60 m with housing and 10 m without housing Display: 2 in; touch screen Inclusive of: Housing; adhesive mount; HDMI to micro HDMI cable; 1 year warranty	2	pcs	Within 60 calendar days upon receipt of NTP
	PR 2021-04-0690 SCMD Regular Fund			
14	**External Hard Disk Drive (HDD) Portable** **Compatible with Windows and Mac** **at least 120 MB/s transfer** **Weight should not exceed 140 g** **2 TB**	1	pc	Within 60 calendar days upon receipt of NTP
15	Headset with microphone Noise Isolating Can answer/end call Works with common calling applications across almost all platforms Single 3.5 mm jack Cable length: at least 1.8 m	35	pcs	Within 30 calendar days upon receipt of NTP
	Headphone Features: Noise Isolating, answer/end call, high resolution			
	Input Impedance: 22 Ohms			
	Sensitivity (headphone): 122 dB +/-3 dB			
	Sensitivity (microphone): -44 dBV/Pa +/- 2.5 dB			
	Frequency response (Headset): 20 Hz to 20 kHz			
	Frequency response (Microphone): 100 Hz to 6.5 kHz			
	Cable length: 1.8m dimension			
	Works with common calling applications across almost all platforms			

16	USB 3.0 Hub (Gang-switch 4-port) With independent switch Ultra slim High speed USB splitter Portable extension data hub Compatible for mouse, keyboard, flash drive HDD or more	5	pcs	Within 30 calendar days upon receipt of NTP
	PR 2021-00-0095 WRMD RICE ESSETS			
17	External Hard drive 2TB Ultra Slim 2TB External Hard Drive Portable HDD USB 3.0 for PC Laptop and Mac Max Data Transfer: 120MB/s OS Required: Apple MacOS X 10.7 or later, Microsoft Windows 7 or later Cable Type: SuperSpeed USB cable Color: any color Includes free external drive bag/carry case	8	pc	Within 60 calendar days upon receipt of NTP
	PR 2021-00-0104 WRMD INS VARIOUS			
18	Printer Printer Type: Print, Scan, Copy (Wireless, Duplex, Refillable) Maximum Print Resolution: 5760 x 1440 dpi (with Variable-Sized Droplet Technology) Minimum Ink Droplet Size: 3 pl Maximum Paper Size: 215.9 x 1200 mm (8.5 x 47.24") Paper Size: Legal, Indian-Legal (215 x 345 mm), 8.5 x 13", Letter, A4, 16K (195 x 270 mm), B5, A5, B6, A6, Hagaki (100 x 148 mm), 5 x 7", 4 x 6", Envelopes: #10, DL, C6 Scanner Type: Flatbed colour image scanner Flatbed (Black / Colour): 200 dpi : 11 sec / 200 dpi : 28 sec	5	pc	Within 60 calendar days upon receipt of NTP
	PR 2021-04-0824WRMD INS VARIOUS INS CONT.			
19	Smart LED TV	2	pcs	Within 60 calendar days upon receipt of NTP
	Backlight Type : Direct LED			
	Panel Type:Vertical Alignment			
	Screen Size: 32''			
	Display Resolution: 1366*768 HD			
	Smart TV: YES			
	Operating System & Version: Android 9.0 or later			
	Bluetooth: Yes			
	Wifi Connectivity: YES			
	usb Media File Playback: Photo, Video, Music, Text (HEVC)			
	USB Ports: 2(2.0&3.0)			
	HDMI Ports: 2			
	Ethernet: 1			
	PR 2021-04-0719 OAP STO			
20	**All-in-one color printer (refillable ink tank system)**	3	piece	Within 60 calendar days upon receipt of NTP
	Max. print resolution: 4800 (horizontal)*1 x 1200 (vertical) dpi			
	Print head/ink Type: Individual Ink Bottle Ink Bottle: GI-790 (Cyan, Magenta, Yellow, Black)			
	Printable Area: Borderless Printing: top/bottom/right/left margin: each 0mm Supported Paper Size: A4/Letter/4x6"/5x7"/8x10") Bordered Printing: top margin: 6mm, bottom margin: 6mm, left/right margin: 6mm Paper Size: A4, A5, B5, Letter, Legal, 4x6", 5x7", Envelopes (DL, COM10), Custom size (width 101.6-215.9mm, length 152.4-676mm)			
	Prininting Resolutions: PIXMA Cloud Link: from smartphone or table: available Optical Resolution: 600x1200 dpi Max. Document Size: A4/Letter			

	Scan Scanner Type: Flatbed Optical Resolution: 600x1200 dpi Max. Document Size: A4/Letter			
	Copy Max. Document Size: A4/Letter Image Quality: Fast, Standard			
	Network Protocol: SNMP, HTTP, TCP/IP (IPv4/IPv6) Direct Connection (Wirelesss LAN): Available			
21	**Multi-purpose geo-tagging device**	16	piece	Within 60 calendar days upon receipt of NTP
	Sim: hybrid slim slot			
	Screen: FHD+IPS LCD Display			
	Size: 6.4 - 6.6 inches, 102.8 cm^2			
	Resolution: 1080x2400 pixels			
	Protection: Corning Gorilla Glass 5			
	OS: Android 10 with MIUI 12			
	Chipset: Qualcomm Snapdragon 732G			
	CPU: 2x Kryo 470 Gold @ 2.3GHz & 6x Kyro 470 Silver @ 1.8GHz			
	GPU: Adreno 618			
	Card slot: Expandable up to 256GB via microSD			
	Internal: 128GB 6GB RAM			
	with 3.5mm jack			
22	**Smart Television**	1	piece	Within 60 calendar days upon receipt of NTP
	Backlight type: Direct LED			
	Panel type: vertical alignment			
	Screen size: 32"			
	Dsplay resolution: 1366*768 (HD)			
	Smart TV: Yes			
	Operating system and version: Android 9.0			
	Chromecast built or wireless dispplay: Chromecast			
	Bluetooth: Yes			
	Wifi connectivity: Yes			
	USB media file playback: photo, video, music, text (HEVC)			
	USB ports: 2			
	Ethernet: 1			
	PR 2021-04-0785 OAP PAEF			
23	**Printer**	3		Within 60 calendar days upon receipt of NTP
	All-in-one color printer (refillable ink tank system)			
	Max. print resolution: 4800 (horizontal)*1 x 1200 (vertical) dpi			
	Print head/ink Type: Individual Ink Bottle Ink Bottle: GI-790 (Cyan, Magenta, Yellow, Black)			
	Printable Area: Borderless Printing: top/bottom/right/left margin: each 0mm Supported Paper Size: A4/Letter/4x6"/5x7"/8x10") Bordered Printing: top margin: 6mm, bottom margin: 6mm, left/right margin: 6mm Paper Size: A4, A5, B5, Letter, Legal, 4x6", 5x7", Envelopes (DL, COM10), Custom size (width 101.6-215.9mm, length 152.4-676mm)			
	Prininting Resolutions: PIXMA Cloud Link: from smartphone or table: available Optical Resolution: 600x1200 dpi Max. Document Size: A4/Letter			
	Scan Scanner Type: Flatbed Optical Resolution: 600x1200 dpi Max. Document Size: A4/Letter			
	Copy Max. Document Size: A4/Letter Image Quality: Fast, Standard			

	Network Protocol: SNMP, HTTP, TCP/IP (IPv4/IPv6) Direct Connection (Wirelesss LAN): Available			
24	**Home broadband** -2.4 & 5 GHz dual-band wifi - 2 to 3 LAN Ports -LTE technology -Network Type: 3G and 4G -Connects up to 5 devices	5		Within 30 calendar days upon receipt of NTP
	PR 2021-04-0787 OAP STO			
25	HDMI cable	2	pcs	Within 30 calendar days upon receipt of NTP
	HDMI to HDMI			
	2.0 V with Ethernet and Audio return channel			
	2 Latch Locking connector			
	24k gold plated copper contact for corrosion resistance			
	ALMG triple shield 100%			
	RoHS soft PVC jacket			
	4k Ultra HD			
	PR 2021-04-0786 OAP PAEF			
26	**CPU case**	12	pcs	Within 30 calendar days upon receipt of NTP
	Type: ARX Mid Tower			
	Color: White			
	Side Panel Window: Acrylic			
	Front Panel USB: *USB 3.0 Gen 1 Type A; *USB 2.0 Type A			
	Motherboard Form Factor: -ATX -Micro ATX -Mini ITX			
	Full Height Expansion Slot: 7			
	Maximum Video Card Length: 380mm/14.961"			
	Dimensions: - 464mm x 205 mm x 444 mm - 18.268" x 8.071" x 17.48"			
	External 5.25" Bays: 2			
	Internal 2.5" Bays: 1			
	Internal 3.5" Bays: 2			
	Volume: - 42.233 L - 1.491 cu. Ft.			
27	**Uninterruptible power supply (UPS)**	12		Within 30 calendar days upon receipt of NTP
	Power Capacity (VA): 1000 VA			
	Frequency Range: 60 Hz			
	Freq. Range (Batt. Mode): 60 Hz ± 1 Hz			
	Transfer Time: Typical (4-8 ms)			
	Back-up Runtime: 10-15 mins			
	Voltage: 220 VAC			
	Voltage Range: 162-270 VAC			
	Power Output Connectors Details: 8 x power NEMA 5-15			
	Cable Length: 6 ft			
28	**DDR4 RAM (16gb)**	12		Within 60 calendar days upon receipt of NTP
	Type: 288-pin DIMM			
	Speed: DDR4-3400MHz			
	Size: 16gb (2 x 8 gb)			
	CAS Latency: 16			
	Voltage: 1.35V			
	Timing: 16-16-16-36			
	Color: Black			
	LED: RGB			
	PR 2021-04-0784 OAP PAEF			
29	**Geotagging device**	35	pcs	Within 60 calendar days upon receipt of NTP
	Sim: hybrid slim slot			
	Screen: FHD+IPS LCD Display			
	Size: 6.4 - 6.6 inches, 102.8 cm²			

	Resolution: 1080x2400 pixels			
	Protection: Corning Gorilla Glass 5			
	OS: Android 10 with MIUI 12			
	Chipset: Qualcomm Snapdragon 732G			
	CPU: 2x Kryo 470 Gold @ 2.3GHz & 6x Kyro 470 Silver @ 1.8GHz			
	GPU: Adreno 618			
	Card slot: Expandable up to 256GB via microSD			
	Internal: 128GB 6GB RAM			
	with 3.5mm jack			
30	**Portable microphone with speaker**	2	pcs	Within 30 calendar days upon receipt of NTP
	Can support FM radio, TF card, USB flash disk, AUX audio play and voice recording			
	LY-042=Voice Amplifier + TF/USB card speaker + Bluetooth speaker + recorder + FM radio			
	Can amplify up to 33 feet away			
	UHF wireless transmission technology			
	With USB charge cable			
	Input: DC5V Power: 4hp 9w Working temp: -10°C~45°C Charge time: 2-3 hours MIC use time: 6 hours Audio play time: 8-10 hours			
	PR 2021-00-0013 BULACAN REG			
31	**Wireles Presenter**	1	pc	Within 30 calendar days upon receipt of NTP
	Color: Black Laser Class: Class 2 Laser Wave Length: 640~660nm (red light) Battery type: 2 AAA batteries Wireless operating distance: Approx 10m2 Wireless technology: 2.4 GHz wireless technology Supported OS: Windows Vista, Windows 7, Windows 8 Interface: USB Accessories: Carring case			
32	3.0 USB Hub and Card Reader Combo - Power status LED indicator - Multiple USB 3.0 interface Overcurrent and undercurrent protection - Supports Windows XP, Windows 7, 8 and Mac OS Linux - High speed data transfer up to 5 Gbps - Compatibility card: MS, M2, SD, TF	6	pc	Within 30 calendar days upon receipt of NTP
33	Wireless Mouse and Keyboard Combo - 2.4 wireless technology - up to 10 meters connection - on/off switch full size keyboard - plug and play	6	pc	Within 30 calendar days upon receipt of NTP
34	Casing Fan with LED - Material: polyethylene - Color: Black - Length: 1m - Outer Diameter: 8mm	14	pcs	Within 30 calendar days upon receipt of NTP
35	Wire Spriral Wrap Sleeving Band Tube/ Cable Protector - Material: polyethylene - Color: Black - Length: 1m - Outer Diameter: 8mm	15	pcs	Within 30 calendar days upon receipt of NTP
36	**Mouse pad, comfort mouse pad with wrist rest gel suppoort mat mice**	10	pcs	Within 30 calendar days upon receipt of NTP
37	**USB 3.0 flash drive, 32GB**	8	pcs	Within 30 calendar days upon receipt of NTP
38	**Network Ehternet LAN kit**	1	pc	Within 30 calendar days upon receipt of NTP

	Stripping cable: Network Cable Tester: This Network Cable Tester is for test of RJ11, RJ12, RJ45, 10/100 Base-T, TIA 568A /568B AT&T 258A, BNC, Cat 5, etc			
	This device be separated into two units: Main Unit and Remote Unit.			
	The Remote Unit allows you to test cables installed far away either on patch panel or wall plate with the Auto-Test.			
	Mode and 9 LED indicators for testing each pin.			
	Compact and Light Weight.			
	Packaged with a leather case for storage.			
	Powered by a 9V battery Network Cable Crimper: For cuts, strips and crimps for 8P8C/ RJ-45, 6P6C/RJ12, 6P4C/RJ-11, 4P4C & 4P2C in one tool Packing Accessories:			
	1. Cross screwdriver:			
	Soft rubber handle, the cutter head and magnetic treatment, used for disassembling desktop computers, printers and other equipment screw			
	2. Flat screwdriver:			
	Soft rubber handle, the cutter head and magnetic treatment for auxiliary disassembling components, such as the CPU fan or casing, etc.			
	3. Network tester (for testing cables)			
	4. Crimping pliers			
	5. Wire stripping k nife			
	6. Stripping pliers k nife			
	7. K nife			
	8. Card k nife			
	9. Crystal Connectors (10pcs)			
	10. Plastic Box			
	11. Bag			
	Package Included:			
	1 x 9Pcs Network Computer Maintenance Repair Tool Kit			
	1 x User Manual			
	1 x Storage Bag			
39	**16-port Gigabit Switch**	1	pc	Within 30 calendar days upon receipt of NTP
	Standards and Protocols: 802.3 10BASE-T Ethernet 802.3u 100BASE-TX Fast Ethernet 802.3ab 1000BASE-T Gigabit Ethernet 802.3z Gigabit Ethernet 802.3x flow control 802.1p priority 802.3az, Energy Efficient Ethernet Ports16 RJ-45 connectors for 10BASE-T/100BASE-TX LED Indicators System/PWR, Link/Activity, 100M,* Gigabit,*			
	PR 2021-00-0015 BULACAN REG			
40	**Portable Sheetfed Document Scanner**	1	Unit	Within 60 calendar days upon receipt of NTP
	Maximum Resolution: 600 dpi Color Depth: 24-bit Duplex Scanning Scan Speed: 23-46 ipm Minimum Scan Size: Letter Maximum Scan Size: Legal Media Handling: Automatic Document Feeder Sheet Capacity: 20 Sheets Daily Duty Cycle: 1000 scans Connectivity: USB 2.0			
41	Wifi All-In-One Tank Printer	1	Unit	Within 60 calendar days upon receipt of NTP

	Printer: **Minimum Printing Resolution: 1200 dpi** Ink type: Individual Ink Charge Paper Size: A4, A5, B5, LTR, LGL, 4 x 6", 5 x 7", 8 x 10", Envelopes (DL, COM10) Scanner: Scanner Type: Flatbed & ADF Scanning Method: Contact Image Sensor Optical Resolution: 2400 x 4800dpi Colour: 48 bit Additional Feature: Wireless Connectivity			
42	**LED Display for PPT Presentation**	1	Unit	Within 60 calendar days upon receipt of NTP
	Screen Size: 40-inch Connectivity: Wifi, LAN USB Port: USB 2.0 x1 TV Resolution: Full HD HDMI port: 2 OS: Android Oreo Smart TV			
43	**Wi-Fi Range Extender**	2	pc	Within 30 calendar days upon receipt of NTP
	- Speed: 2.4GHz band (300Mbps) and %GHz (433Mbps), stable dual band wi-fi extension, compatible with any wi-fi router			
	<mark>PR 2021-00-0087 SWRRD NUE</mark>			
44	OTG 64GB on the Go USB micro	13	pc	Within 30 calendar days upon receipt of NTP
45	OTG 64GB on the Go USB Type C	15	pc	Within 30 calendar days upon receipt of NTP
	<mark>PR 2021-00-0087 SWRRD REGULAR</mark>			
46	**Wireless Headphones for conferences with microphone**	5	Unit	Within 30 calendar days upon receipt of NTP
	Lightweight, folding design for ultimate music mobility			
	30 mm ferrite drivers for powerful, balanced sound			
	10–24,000 Hz frequency range			
	Padded earcups for comfortable listening			
	<mark>PR 2021-00-0087 SWRRD RICE R & D</mark>			
47	USB 2.4GHz Wireless PPT PowerPoint Presenter Pointer Clicker Laser Remote Control	2	pc	Within 30 calendar days upon receipt of NTP
	<mark>PR 2021-04-0692 SWRRD OAP-SHA</mark>			
48	RAM, 8GB Single DDR4 2666Mhz	5	pcs	Within 60 calendar days upon receipt of NTP
49	Casing, Mid Tower Chassis	5	pcs	Within 30 calendar days upon receipt of NTP
50	Monitor; Resolution: 1920x1080p HDMI, VGA	5	pcs	Within 30 calendar days upon receipt of NTP
51	Processor, Intel Core i5-9600 (9th Gen)	5	pcs	Within 30 calendar days upon receipt of NTP
52	Motherboard, 360 series motherboard (9th Gen Compatible)	5	pcs	Within 30 calendar days upon receipt of NTP
53	Hard disk, 1TB Capacity 7200RPM 3.5 inch	8	pcs	Within 60 calendar days upon receipt of NTP
54	Power Supply, 500W 80+High Efficiency	5	pcs	Within 30 calendar days upon receipt of NTP
55	Internal SSD, 500GB	8	pcs	Within 60 calendar days upon receipt of NTP
56	Wireless Mouse & Keyboard Combo keyboard:	15	pcs	Within 30 calendar days upon receipt of NTP
	Nano receive			
	Wifi range (in metes): 10m			
	SilentTouch Technology			
	On/Off power switch			
	Mouse:			
	Silent touch Technology			
	Contoured compact shape			
	On/off power button			
57	**Printer All-in-one**	10	pcs	Within 60 calendar days upon receipt of NTP
	Functions: Print, copy, scan, wireless			
	Printed speed black: ISO: Up to 8 ppm			
	Print speed color: ISO: Up to 5 ppm			

	Number of print cartridges: 1 black bottle, set of 3 color bottles			
	Connectivity			
	Wireless capability: Yes			
	Connectivity, standard: 1Hi-speed USB 2.0			
	Paper handling			
	Paper handling input, standard: 60 sheet input tray			
	Paper handling output, standard: 25 sheet output tray			
	Borderless printing: Yes, up to 8.5 x 11 in (US letter), 210x297mm (A4)			
	Scanner specification			
	Scanner type: Flatbed			
	Scan file format: JPEG, TIFF, PDF, BMP, PNG			
	Scan resolution, optical: Up to 1200 x 1200 dpi			
	Copier specifications			
	Copy resolution (black text): Up to 600 x 300 dpi			
	Copy resolution (color text and graphics): Up to 600 x 300 dpi			
58	**Portable Scanner**	5	pcs	Within 60 calendar days upon receipt of NTP
	Scan Function			
	Scanner type: A4 sheet-fed colur scanner			
	Sensor Type: Contact Image Sensor (CIS)			
	Scanning Method: Fixed document and moving carriage			
	Light Source: RGB LED			
	Optical Resolution: 600 x 600 dpi			
	Output Resolution: 50-1,200 dpi (in 1 dpi increments)			
	Scanner Bit Depth (Colour):48-bit input, 24-bit output			
	Scanner Bit Depth (Grayscale): 16-bit input, 8-bit output			
	Scanner Bit Depth (Black&White): 16-bit input, 1-bit output			
	Min Document Size: 50.8 x 50.8mm			
	Max Document Size: 21.6 x 1,828.8mm			
	Supported Paper Weight: 35-270/ g/m2			
	Daily Scan Volume: Up to 300 sheets/day			
	Interface: USB 2.0 (Mciro-B), Wi-fi			
	Scan Speed			
	Resolution (Colour/ Monochrome): 200dpi: 4.0 sec (Battery)/ 5.5sec (USB Bus powered)			
	300dpi: 4.0sec (Battery)/5.5sec (USB Bus powered)			
	600dpi: 9.0sec (Battery)/9.0sec (USB Bus powered)			
	PR 2021-04-0696 SWRRD OAP R&D Continuing			
59	**Voice Recorder** General Features Battery Type: Dry Battery Built-In Memory: 4gb Built-In Microphone: Stereo Calendar Search: Yes Maximum Files (Total): 5000 Pc Connectivity: Yes Playback Format: Mp3/Wma/Aac-Lc/L-Pcm Recording Max. Recording Time Mp3 192 Kbps: 39 Hrs 45 Min Interface Input And Output Terminals [Pc I/F] Hi-Speed Usb [Input] Stereo Mic-In Jack [Output] Stereo Earphone Jack	3	pcs	Within 30 calendar days upon receipt of NTP
	PR 2021-04-0695 SWRRD Regular Fund			

60	**Web camera for PC** Specifications: Product Type: USB Video Camera Color: Black Material: ABS Mirrored: Yes Lens: Image Sensor: 1/2.7 2MP Image Range: 1.5-5 meters Lens: 4.0mm Connectivity: Wired: Yes Interface Cable: 2.0 USB Cable length: 1.5m FOV: 360-degrees Sensor Type: CMOS Pixels: 2 mega-pixels Video Frame rate: 30FPS Detection distance: 5 meters Video Resolution: 1920 x 1080P	10	unit	Within 30 calendar days upon receipt of NTP
	Compatibility: Suitable for: Video conferencing, video calls, HD recording, live online classes, etc. Chat software support: Yahoo, MSN, QQ, Alitalk, WeChat, Nail nail, YouTube, Facebook, Skype, WhatsApp, LINE System Support: Windows 7, Windows 8, Windows XP, Windows 10, Mac IOS, VISTA, etc.			
	PR 2021-00-0046 ALMED SEMLUR/NPAAAD/REG			
61	**All-in-one Ink Tank Printer with ADF**	1	Pack	Within 60 calendar days upon receipt of NTP
	High-quality printing			
	Print, scan, copy, fax with Automatic Document Feeder and Flatbed feeder			
	Spill-free, error-free refilling			
	High yield ink bottles			
	Borderless printing			
62	**Printer with ADF 4-in-1: Print, copy & scan and borderless photo printing**	3	Unit	Within 60 calendar days upon receipt of NTP
	Wi-Fi Direct, Ethernet: Print from mobile devices			
	Scanner type: Contact image sensor (CIS)			
	Scan Optical Resolution: 1,200 DPI x 2,400 DPI (Horizontal x Vertical)			
	Single-sided scan speed (A4 colour): 200 dpi (with ADF); , 4.5 ipm with ADF scan 200 dpi (flatbed) 29 sec. with flatbed scan			
	ADF:30 pages			
	Paper tray capacity: 100 sheets standard			
63	**Storage Backup Plus 6TB; External Hard Drive**	7	pc	Within 60 calendar days upon receipt of NTP
64	**UPS, 650 VA 390 watts UPS**	6	pc	Within 30 calendar days upon receipt of NTP
65	**Monitor, 21.4", Panel type: TN 1920x1080 resolution**	4	pc	Within 30 calendar days upon receipt of NTP
66	Portable Projector : Native Resolution: 800x480, LCD, LED 34-130 inch, Manual Control TV/HDMI/USB/AV/VGA/SD , Audio file Format: WMA,MP3, M4A, Image File: JPEG, BMP, PNG Video File : RM/RMVB, MPEG1,MPEG2, H264, MOV, MJPEG, FLVVVCI, DIVX, etc.	2	pc	Within 60 calendar days upon receipt of NTP
67	All-in-One Multifuction Printer High Quality printing, Print, scan copy, fax w/ automatic document feeder and flatbed feeder, Spill free, error free refilling, High Yield ink bottles, boardless printing	1	pc	Within 60 calendar days upon receipt of NTP

#	Description	Qty	Unit	Delivery
68	Printer 4 in 1: Print Method: On-demand inkjet (piezoelectric) Maximum Print Resolution : 5760 x 1440 dpi (with variable-sized droplet technology) Print Direction: Bi-directional printing, Undirectional printing Maximum Copy Size: A4, Letter	2	pc	Within 60 calendar days upon receipt of NTP
69	Geo-Tagging Device: 6-6.5" Full View Display, 2340 x 1080 high resolution, Android 8.1, 4gb+64gb GPS/APS/Glonass, Bluetooth, Micro Usb, Wifi direct, Wifi Hotspot, Fingerprint sensor, proximity, front cam :16m, Rear cam: 13m Battery :4000 maH	8	pc	Within 60 calendar days upon receipt of NTP
70	Wifi Router (2402Mbps+574Mbps) External Antenna x 4, 2.4 Ghz 2 x 2; 5Ghz 2 x 2, Transmit/receive: 2.4 GHz x 2; 5 GHz 2x2, processor: 1.5 GHZ tri-core processor. Operation Mode: Wireless router mode; access point mode; Media Bridge Mode Processor: 1.5 Ghz tri-core processor	4	pc	Within 30 calendar days upon receipt of NTP
71	Digital Camera Type: 1/2 3 type back-illuminated CMOS, Type: DIGIC 4+ with Isaps technology, Zoom: Optical 25x, ZoomPlus50x, FOCUSING,Type:TT,Limage Size: , 4:3 - (L) 5184 x 3888, (MI) 3648 x 2736,(M2) 2048 x 1536, (M) 2592 x 1944,(S) 640 x 480, 16:9 - (L) 5184 x 2912 (MI) 3648 x 2048, (M20 2048 x 1368, (S) 640 x 424, 1:1 - (L) 3888 x 3888, (MI) 2736 x 2736, (M1) 2736 x 2736, (M2) 1536 x 1536, (S) 480 X 480, Resize option available in playback, Hi-Speed USB dedicated connector (Micro-B compatible)	2	pc	Within 60 calendar days upon receipt of NTP
72	NAS Storage: Gigabit Ethernet, USB 3.0 5 GB/s (Max, USB 2.0 480 mb/s (Max)	3	pc	Within 30 calendar days upon receipt of NTP
73	Display Monitor: 27'' , IPS Technology, Full HD 1080 res., Display Port and VGA input	2	pc	Within 30 calendar days upon receipt of NTP
PR 2021-00-0087 LSD REGULAR				
74	Desktop Memory, 32GB, DDR4, 3600MHz	2	Unit	Within 60 calendar days upon receipt of NTP
75	Desktop Memory, 8GB, DDR3, 1600MHz	3	Unit	Within 60 calendar days upon receipt of NTP
76	Power Supply Unit, True-rated, RAVE 80 PLUS 800WATTS	3	Unit	Within 30 calendar days upon receipt of NTP
77	Power Adapter, 100 cm, 24W, Voltage Input: AC 100-240V Electric Current: Max. 2A	5	box	Within 30 calendar days upon receipt of NTP
78	USB Keyboboard Vacuum Cleaner, Power: 8W Voltage: DC 5V Power supply: Usb charging Battery capacity: 2000mAh colour:black Material:ABS	5	pc	Within 30 calendar days upon receipt of NTP
PR 2021-00-0087 LSD PD 1435				
79	Memory Ram, SODIMM, 16GB, 3200MHz, DDR4C CL22	3	pc	Within 60 calendar days upon receipt of NTP
PR 2021-00-0050 SSD REG				
80	Keyboard and mouse wireless combo, wireless range: 10m, 2.4GHz wireless connectivity compatible for tablet, laptop	2	pcs	Within 30 calendar days upon receipt of NTP
81	External Drive SSD, USB 3.0/3.1 atleast 500 GB	2	pcs	Within 60 calendar days upon receipt of NTP
PR 2021-00-0118 Planning REGULAR				
82	OTG (Micro-USB, 32gb)	20	pcs	Within 30 calendar days upon receipt of NTP
PR 2021-04-0612 Planning REGULAR				
83	**Desktop Microphone**	4	unit	Within 30 calendar days upon receipt of NTP
	Sample Rate: 48kHz			
	Bit Rate: 16-bit			
	Capsules: 3 Blue-proprietary 14mm condenser capsules			

	Polar Patterns: Cardioid, Bidirectional, Omnidirectional, Stereo			
	Frequency Response: 20 Hz-20 kHz			
	Impedance: 16 ohms			
	Power Output (RMS): 130mW			
	USB 1.1/2.0/3.0			
84	**Speaker**	4	unit	Within 30 calendar days upon receipt of NTP
	Speaker Type Full Range			
	Input and Output Terminals Stereo Mini Jack (IN), micro USB			
	Frequency Transmission Range 20 Hz-20,000 Hz (44.1 kHz sampling)			
	Battery Life Approx. 12 hours (Standard mode/lighting off)			
	Approx. 10 hours (EXTRA BASS mode/\lighting on)			
	Extra Bass sound with Live Sound mode 20 Hz-20,000 Hz (44.1 kHz sampling)			
	PR 2021-02-284 GSITD REG			
85	Motherboard (for Ryzen 9 3rd Gen), compatible with Ryzen 9 (3rd Gen) Socket type: AM4+ Chipset: x570	2	Unit	Within 30 calendar days upon receipt of NTP
86	Fiber Module	4	pc	Within 30 calendar days upon receipt of NTP
87	Monitor (4K 55) Size: at least 55 inches Resolution: 4K UDH	1	Unit	Within 30 calendar days upon receipt of NTP
88	Keyboard and Mouse Combo (Wireless Full-size) Long range wireless 2.4 GHz Full size keyboard and mouse Bluetooth receiver Plug and play with On/Off switch with CAPS lock indicator light with battery indicator light	15	Unit	Within 30 calendar days upon receipt of NTP
89	RAM Desktop (DDR4 16GB) Memory type: DDR4 for desktop Capacity: 16 GB (1 x 16GB)	1	Unit	Within 60 calendar days upon receipt of NTP
90	RAM Desktop (DDR3 1600 8GB) Memory type: DDR3 for desktop Capacity: 8 GB (1 x 8GB) Speed: 1600 MHz	4	Unit	Within 60 calendar days upon receipt of NTP
91	SSD (Internal 500GB) Internal Solid State Drive (SSD) at least 550 MB/s transfer SATA 500 GB	1	Unit	Within 60 calendar days upon receipt of NTP
92	PSU (500) Power Supply Unit (PSU) 500 w with 80% efficiency	8	Unit	Within 30 calendar days upon receipt of NTP
93	Monitor (FHD 27) Size: at least 27 inches Resolution: 1920 x 1080 FHD IPS Panel	5	Unit	Within 30 calendar days upon receipt of NTP
94	SSD (Internal M.2 NVMe 500GB) Internal Solid State Drive (SSD) at least 3 GB/s transfer M.2 NVMe 500 GB	2	Unit	Within 60 calendar days upon receipt of NTP
95	PSU (1000) Power Supply Unit (PSU) 1000 w 80 plus gold modular	1	Unit	Within 30 calendar days upon receipt of NTP
96	Casing (Desktop Full Tower) Desktop casing with tempered glass side panel Type: Full Tower USB 3.0	2	Unit	Within 30 calendar days upon receipt of NTP
97	RAM Desktop (DDR4 3600 32GB 2x16) Memory type: DDR4 for desktop Capacity: 32 GB (2 x 16GB) Speed: 3600 MHz Multi-channel	1	Unit	Within 60 calendar days upon receipt of NTP

98	HDD (Internal 4TB) Internal Hard Disk Drive (HDD) at least 5900 RPM 3.5 inch 4 TB	1	Unit	Within 60 calendar days upon receipt of NTP
PR 2021-02-284 GSITD NSST				
99	Casing (Desktop Mid Tower) Desktop Casing Type: Mid Tower USB 3.0	5	Unit	Within 30 calendar days upon receipt of NTP
PR 2021-04-0701 GSITD AFACI (TRUST FUND)				
100	Laptop (i7 Touch) Processor: at least i7 Memory: atleast 16GB Display: atleast 13.9: UHD Touch IPS Display Storage: 1TB SSD Input Keyboard: 85-key (Illumintated keyboard) USB port: Thunderbolt 4 (Type-C) USB 3.2 (Type-A) OS: Windows 10 Pro w/ Card Reader	2	pcs	Within 60 calendar days upon receipt of NTP
101	Laptop (i7) Processor: at least i7 Graphics: atleast 1660 6GB GDDR6 Memory: atleast 16GB Display: atleast 15.6" Full HD 240Hz, 3ms Storage: 1TB SSD Input Keyboard: Backlit chicklet keyboard USB port: Thunderbolt 4 (Type-C) USB 3.2 (Type-A) OS: Windows 10 Pro w/ Card Reader	2	pcs	Within 60 calendar days upon receipt of NTP
PR 2021-04-0700 GSITD AFACI (TRUST FUND)				
102	Processor (Ryzen 9 3rd Gen) Ryzen 9 3900x 12-core (3rd Gen)	2	pcs	Within 30 calendar days upon receipt of NTP
103	Motherboard (for Ryzen 9 3rd Gen) compatible with Ryzen 9 (3rd Gen) Socket type: AM4+ Chipset: x570	2	pcs	Within 30 calendar days upon receipt of NTP
104	**RAM Desktop (DDR4 3600 32GB 2x16 RGB)** Memory type: DDR4 for desktop Capacity: 32 GB (2 x 16GB) Speed: 3600 MHz Multi-channel RGB	2	pcs	Within 60 calendar days upon receipt of NTP
105	SSD (Internal M.2 NVMe 500GB) Internal Solid State Drive (SSD) at least 3 GB/s transfer M.2 NVMe 500 GB	2	pcs	Within 60 calendar days upon receipt of NTP
106	SSD (External USB3.1 500GB) External Solid State Drive (SSD) Portable USB 3.1 at least 550 MB/s transfer Weight should not exceed 140 g 500 GB	2	pcs	Within 60 calendar days upon receipt of NTP
107	Monitor (FHD 27) Size: at least 27 inches Resolution: 1920 x 1080 FHD IPS Panel	2	pcs	Within 30 calendar days upon receipt of NTP
108	Mouse Bluetooth mouse Sensor technology: Advanced optical tracking Sensor resolution: 1000	2	pcs	Within 30 calendar days upon receipt of NTP
109	Keyboard and Mouse Combo (Wireless) Long range wireless 2.4 GHz Bluetooth receiver Plug and play	2	pcs	Within 30 calendar days upon receipt of NTP

110	Speaker (Portable) Speaker Type: Full Range Sound Modes: Extra Bass, stamina Mode Bluetooth Version 5 USB Type-c Battery Life: approx 12 hrs	2	pcs	Within 30 calendar days upon receipt of NTP
111	Headphone Typre: Closed Dynamic Volume Control: Yes Bluettoth Version 5 Battery Life: approx 30hrs Battery Charge Method: USB Type-C	2	pcs	Within 30 calendar days upon receipt of NTP
112	Camera (Webcam 4K) Multiple Resolutions 4k/30 FPS 10809/30 or 60FPS 720p/30, 60 or 90 FPS Focus Type: sutofocus Lens Type: glass Built-in mic: stereo, dual omni-directional Digital Zoom: 5x USB Connectivity USB-A plus and play HDR clear image	2	pcs	Within 30 calendar days upon receipt of NTP
113	Voice Recorder built-in memory: 4GB Built-in Microphone: Stereo (S-Mic0 LCD Backlight: Yes Recording Scene Select Sync Recording Function Recording Monitor	2	pcs	Within 30 calendar days upon receipt of NTP
114	Earpod Earpod Type: Closed Dynamic Volume Control: Yes Waterproof: IPX4 Equivalent Battery Life: approx 5hrs Battery Charging Method: USB Charging w/ case Features: Extra Bass	2	pcs	Within 30 calendar days upon receipt of NTP
115	Microphone (Desktop) Sample Rate: 48kHz Bit Rate: 16-bit Capsules: 3 Blue-proprietary 14mm condenser capsules Polar Patterns: Cardioid, Bidirectional, Omnidirectional, Stereo Frequency Response: 20 Hz-20 kHz Impedance: 16 ohms Power Output (RMS): 130mW USB 3.0 with backward compatibility	2	pcs	Within 30 calendar days upon receipt of NTP
	PR 2021-04-0804 GSITD DCAF (TRUST FUND)			
116	HDD (External 2TB) External Hard Disk Drive (HDD) Portable Compatible with Windows and Mac at least 120 MB/s transfer Weight should not exceed 140 g 2 TB	15	pcs	Within 60 calendar days upon receipt of NTP
	PR 2021-04-0716 GSITD DCAF (TRUST FUND)			
117	Tablet Display: at least 10 inches (diagonal) Memory: at least 2G RAM at least 32G ROM OS: at least Android 10 Rear camera: at least 5MP front camera:at least 2MP Wifi frequency at least 2Ghz with simcard and microSD slots Bluetooth supported OTG / USB supported Battery: at least 500 mAH	6	unit	Within 60 calendar days upon receipt of NTP
	PR 2021-04-0778 GSITD DCAF (TRUST FUND)			
118	**Processor (i7 11th Gen) Intel Core i7 (11th Gen)**	1	PC	Within 30 calendar days upon receipt of NTP

119	Motherboard (for i7 11th Gen) compatible with Intel Core i7 (11th Gen) Socket type: LGA1200 Chipset: x590	1	PC	Within 30 calendar days upon receipt of NTP
120	RAM Desktop (DDR4 3600 32GB 2x16 RGB) Memory type: DDR4 for desktop Capacity: 32 GB (2 x 16GB) Speed: 3600 MHz Multi-channel RGB	1	PC	Within 60 calendar days upon receipt of NTP
121	SSD (Internal M.2 500GB) Internal Solid State Drive (SSD) M.2 500 GB	1	PC	Within 60 calendar days upon receipt of NTP
122	Computer Casing, Full-Tower size with USB 3.0	1	PC	Within 30 calendar days upon receipt of NTP
123	PSU (500) Power Supply Unit (PSU) 500 w with 80% efficiency	1	PC	Within 30 calendar days upon receipt of NTP
124	**Monitor (FHD 27) Size: at least 27 inches Resolution: 1920 x 1080 FHD IPS Panel**	1	PC	Within 30 calendar days upon receipt of NTP
125	Keyboard and Mouse Combo (Wireless Full-size) Long range wireless 2.4 GHz Full size keyboard and mouse Bluetooth receiver Plug and play with On/Off switch with CAPS lock indicator light with battery indicator light	5	PC	Within 30 calendar days upon receipt of NTP
126	Microphone (Desktop) Sample Rate: 48kHz Bit Rate: 16-bit Capsules: 3 Blue-proprietary 14mm condenser capsules Polar Patterns: Cardioid, Bidirectional, Omnidirectional, Stereo Frequency Response: 20 Hz-20 kHz Impedance: 16 ohms Power Output (RMS): 130mW USB 3.0 with backward compatibility	2	PC	Within 30 calendar days upon receipt of NTP
127	Camera (Webcam FHD w/ mic) Multiple resolution 1080p/30fps (up to 1920 x 1080 pixels) 720/30fps (up to 1280 x 720 pixels) with supported clients H. 26 Focus Type: auto focus Lens Type:glass Built-n mic: stereo, dual omni-directional	3	PC	Within 30 calendar days upon receipt of NTP
	PR 2021-04-0687 Bukidnon Regular Fund			
128	Tablets: 8 inch display, At least 3gb RAM,)OS: Android Octa Core, at 32 GB (storage) at Least 5mp(Camera)	11	unit	Within 60 calendar days upon receipt of NTP
	PR 2021-04-0752 Tanay OAP Cont.			
129	Keyboard (wired color black)	5	pcs	Within 30 calendar days upon receipt of NTP
130	Printer USB cable wire (for Epson Printer)	5	pcs	Within 30 calendar days upon receipt of NTP
131	OTG for IOS iXpand USB 3.0, 256GB	2	pcs	Within 30 calendar days upon receipt of NTP
132	Wireless n150 USB Adapter	5	pcs	Within 30 calendar days upon receipt of NTP
	PR 2021-04-0697 Budget Regular Fund			
133	Processor-Intel Core i7-9700 (9th Gen)	2	pcs	Within 30 calendar days upon receipt of NTP
134	Processor-Intel Core i7-6700 (6th Gen)	2	pcs	Within 30 calendar days upon receipt of NTP
135	Internal SSD-Capacity 500GB	5	pcs	Within 60 calendar days upon receipt of NTP
136	RAM-8GB Single DDR4	5	pcs	Within 60 calendar days upon receipt of NTP

137	Hard Disk-2TB 7200RPM 3.5"	3	pcs	Within 60 calendar days upon receipt of NTP
138	PSU-500W 80% Efficiency	2	pcs	Within 30 calendar days upon receipt of NTP
	PR 2021-04-0705 DO Regular Fund			
139	Wireless Telephone	4	unit	Within 30 calendar days upon receipt of NTP

Annex D-SECTION VII. TECHNICAL SPECIFICATIONS

Notes for Preparing the Technical Specifications

A set of precise and clear specifications is a prerequisite for Bidders to respond realistically and competitively to the requirements of the Procuring Entity without qualifying their Bids. In the context of Competitive Bidding, the specifications (*e.g.,* production/delivery schedule, manpower requirements, and after-sales service/parts, descriptions of the lots or items) must be prepared to permit the widest possible competition and, at the same time, present a clear statement of the required standards of workmanship, materials, and performance of the goods and services to be procured. Only if this is done will the objectives of transparency, equity, efficiency, fairness, and economy in procurement be realized, responsiveness of bids be ensured, and the subsequent task of bid evaluation and post-qualification facilitated. The specifications should require that all items, materials and accessories to be included or incorporated in the goods be new, unused, and of the most recent or current models, and that they include or incorporate all recent improvements in design and materials unless otherwise provided in the Contract.

Samples of specifications from previous similar procurements are useful in this respect. The use of metric units is encouraged. Depending on the complexity of the goods and the repetitiveness of the type of procurement, it may be advantageous to standardize the General Technical Specifications and incorporate them in a separate subsection. The General Technical Specifications should cover all classes of workmanship, materials, and equipment commonly involved in manufacturing similar goods. Deletions or addenda should then adapt the General Technical Specifications to the particular procurement.

Care must be taken in drafting specifications to ensure that they are not restrictive. In the specification of standards for equipment, materials, and workmanship, recognized Philippine and international standards should be used as much as possible. Where other particular standards are used, whether national standards or other standards, the specifications should state that equipment, materials, and workmanship that meet other authoritative standards, and which ensure at least a substantially equal quality than the standards mentioned, will also be acceptable. The following clause may be inserted in the Special Conditions of Contract or the Technical Specifications.

Sample Clause: Equivalency of Standards and Codes

Wherever reference is made in the Technical Specifications to specific standards and codes to be met by the goods and materials to be furnished or tested, the provisions of the latest edition or revision of the relevant standards and codes shall apply, unless otherwise expressly stated in the Contract. Where such standards and codes are national or relate to a particular country or region, other authoritative standards that ensure substantial equivalence to the standards and codes specified will be acceptable.

Reference to brand name and catalogue number should be avoided as far as possible; where unavoidable they should always be followed by the words "*or at least equivalent.*" References to brand names cannot be used when the funding source is the GOP.

Where appropriate, drawings, including site plans as required, may be furnished by the Procuring Entity with the Bidding Documents. Similarly, the Supplier may be requested to provide drawings or samples either with its Bid or for prior review by the Procuring Entity during contract execution.

Bidders are also required, as part of the technical specifications, to complete their statement of compliance demonstrating how the items comply with the specification.

Technical Specifications

Item	Specification	Statement of Compliance
		*[Bidders must state here either **"Comply"** or **"Not Comply"** against each of the individual parameters of each Specification stating the corresponding performance parameter of the equipment offered. Statements of "Comply" or "Not Comply" must be supported by evidence in a Bidders Bid and cross-referenced to that evidence. Evidence shall be in the form of manufacturer's un-amended sales literature, unconditional statements of specification and compliance issued by the manufacturer, samples, independent test data etc., as appropriate. A statement that is not supported by evidence or is subsequently found to be contradicted by the evidence presented will render the Bid under evaluation liable for rejection. A statement either in the Bidder's statement of compliance or the supporting evidence that is found to be false either during Bid evaluation, post-qualification or the execution of the Contract may be regarded as fraudulent and render the Bidder or supplier liable for prosecution subject to the applicable laws and issuances.]*

Item #	Item Description	Statement of Compliance
	PR 2021-00-0034 SCMD R & D CORN	
1	Keyboard and Mouse Combo (Wireless Full-size) Long range wireless 2.4 GHz Full size keyboard and mouse Bluetooth receiver Plug and play with On/Off switch with CAPS lock indicator light with battery indicator light	
2	USB 3.0 Hub (4-port), Ultra slim High speed USB splitter Portable extension data hub Compatible for mouse, keyboard, flash drive HDD or more	
3	Flash Drive (OTG MicroB 64GB) OTG USB 3.0 up to 150 MB/s USB-A; Micro B 64 GB	
4	External SSD, 500GB External Solid State Drive (SSD) Portable at least 550 MB/s transfer Weight should not exceed 140 g 500 GB	
5	RAM Desktop (DDR4 16GB)	
6	RAM Desktop (DDR3 8GB)	
7	External Hard Disk Drive (HDD) Portable Compatible with Windows and Mac at least 120 MB/s transfer Weight should not exceed 140 g 1 TB	

8	Internal Solid State Drive (SSD) at least 550 MB/s transfer SATA 500 GB	
9	OTG USB 3.0 up to 150 MB/s USB-A; Type C 64 GB	
	PR 2021-00-0042 SCMD MANILA BAY	
10	Compact all-in-one Printer: Print, copy, scan, wireless Print speed: Black (A4, ISO): Up to 8 ppm; Colour (A4, ISO): Up to 5 ppm; Print resolution: Black (best): Up to 1200 x 1200 rendered dpi; Colour (best): Up to 4800 x 1200 optimised dpi colour; Monthly duty cycle: Up to 1,000 pages A4; Scan File Type: Bitmap (.bmp), JPEG (.jpg), PDF (.pdf), PNG (.png), TIFF (.tif) Scanner type: Single-page document feeder; Optical scan resolution: Up to 600 dpi Connectivity: 1 Hi-Speed USB 2.0; Wireless via built-in Wi-Fi 802.11b/g/n Mobile printing, Network via built-in wireless 802.11b/g/n, Compatible operating systems: Windows 10/ 8.1/ 8/ 7 Power Requirements: Input voltage 200 to 240 VAC, 50/60 Hz;	
11	Portable Sheetfed Document Scanner (Wireless) Scanner Type: A4 sheet-fed colour scanner Sensor Type: Contact Image Sensor (CIS) Scanning Method: Fixed document and moving carriage Light Source: RGB LED Optical Resolution: 600 x 600 dpi Output Resolution: 50 - 1,200 dpi (in 1 dpi increments) Max Document Size: 216 x 1,828.8 mm Supported Paper Weight: 35 - 270 g/m2 Daily Scan Volume: Up to 300 sheets / day Scan Speed: 200dpi: 5.5sec; 300dpi: 5.5sec; 600dpi: 9.0sec Supported OS: Windows XP / Vista / 7 / 8 / 8.1 / 10 File Format: JPEG, PDF, Searchable PDF, DOCX, XLSX, PPTX	
	PR 2021-04-0691 SCMD Regular Fund	
12	**Portable Scanner**	
	Sensor Type: Contact Image Sensor (CIS)	
	Scanning Method: Fixed document and moving carriage	
	Optical Resolution :600 x 600dpi	
	Max Document Size: 216x1,828.8mm	
	Daily Scan Volume: Up to 300 sheets/day	
	Interface:USB 2.0 (Micro-B)	
	Resolution Colour/Monochrome): 200dpi: 5.5 sec 300 dpi: 5.5sec 600dpi: 9.0sec	
13	Action camera 4k @ 30 fps At least 12 mp Battery life up to 120 minutes Memory: Class 10 MicroSD and SDXC cards (or better) are acceptable, allows maximum storage up to 128 GB Has GPS, Voice control, Bluetooth, WiFi Waterproof: 60 m with housing and 10 m without	

	housing Display: 2 in; touch screen Inclusive of: Housing; adhesive mount; HDMI to micro HDMI cable; 1 year warranty		
	PR 2021-04-0690 SCMD Regular Fund		
14	**External Hard Disk Drive (HDD) Portable** **Compatible with Windows and Mac** **at least 120 MB/s transfer** **Weight should not exceed 140 g** **2 TB**		
15	Headset with microphone Noise Isolating Can answer/end call Works with common calling applications across almost all platforms Single 3.5 mm jack Cable length: at least 1.8 m		
	Headphone Features: Noise Isolating, answer/end call, high resolution		
	Input Impedance: 22 Ohms		
	Sensitivity (headphone): 122 dB +/-3 dB		
	Sensitivity (microphone): -44 dBV/Pa +/- 2.5 dB		
	Frequency response (Headset): 20 Hz to 20 kHz		
	Frequency response (Microphone): 100 Hz to 6.5 kHz		
	Cable length: 1.8m dimension		
	Works with common calling applications across almost all platforms		
16	USB 3.0 Hub (Gang-switch 4-port) With independent switch Ultra slim High speed USB splitter Portable extension data hub Compatible for mouse, keyboard, flash drive HDD or more		
	PR 2021-00-0095 WRMD RICE ESSETS		
17	External Hard drive 2TB Ultra Slim 2TB External Hard Drive Portable HDD USB 3.0 for PC Laptop and Mac Max Data Transfer: 120MB/s OS Required: Apple MacOS X 10.7 or later, Microsoft Windows 7 or later Cable Type: SuperSpeed USB cable Color: any color Includes free external drive bag/carry case		
	PR 2021-00-0104 WRMD INS VARIOUS		
18	Printer Printer Type: Print, Scan, Copy (Wireless, Duplex, Refillable) Maximum Print Resolution: 5760 x 1440 dpi (with Variable-Sized Droplet Technology) Minimum Ink Droplet Size: 3 pl Maximum Paper Size: 215.9 x 1200 mm (8.5 x 47.24") Paper Size: Legal, Indian-Legal (215 x 345 mm), 8.5 x 13", Letter, A4, 16K (195 x 270 mm), B5, A5, B6, A6, Hagaki (100 x 148 mm), 5 x 7", 4 x 6", Envelopes: #10, DL, C6 Scanner Type: Flatbed colour image scanner Flatbed (Black / Colour): 200 dpi: 11 sec / 200 dpi: 28 sec		
	PR 2021-04-0824WRMD INS VARIOUS INS CONT.		
19	Smart LED TV		
	Backlight Type : Direct LED		
	Panel Type:Vertical Alignment		
	Screen Size: 32''		

	Display Resolution: 1366*768 HD	
	Smart TV: YES	
	Operating System & Version: Android 9.0 or later	
	Bluetooth: Yes	
	Wifi Connectivity: YES	
	usb Media File Playback: Photo, Video, Music, Text (HEVC)	
	USB Ports: 2(2.0&3.0)	
	HDMI Ports: 2	
	Ethernet: 1	
	PR 2021-04-0719 OAP STO	
20	**All-in-one color printer (refillable ink tank system)**	
	Max. print resolution: 4800 (horizontal)*1 x 1200 (vertical) dpi	
	Print head/ink Type: Individual Ink Bottle Ink Bottle: GI-790 (Cyan, Magenta, Yellow, Black)	
	Printable Area: Borderless Printing: top/bottom/right/left margin: each 0mm Supported Paper Size: A4/Letter/4x6"/5x7"/8x10") Bordered Printing: top margin: 6mm, bottom margin: 6mm, left/right margin: 6mm Paper Size: A4, A5, B5, Letter, Legal, 4x6", 5x7", Envelopes (DL, COM10), Custom size (width 101.6-215.9mm, length 152.4-676mm)	
	Prininting Resolutions: PIXMA Cloud Link: from smartphone or table: available Optical Resolution: 600x1200 dpi Max. Document Size: A4/Letter	
	Scan Scanner Type: Flatbed Optical Resolution: 600x1200 dpi Max. Document Size: A4/Letter	
	Copy Max. Document Size: A4/Letter Image Quality: Fast, Standard	
	Network Protocol: SNMP, HTTP, TCP/IP (IPv4/IPv6) Direct Connection (Wirelesss LAN): Available	
21	**Multi-purpose geo-tagging device**	
	Sim: hybrid slim slot	
	Screen: FHD+IPS LCD Display	
	Size: 6.4 - 6.6 inches, 102.8 cm^2	
	Resolution: 1080x2400 pixels	
	Protection: Corning Gorilla Glass 5	
	OS: Android 10 with MIUI 12	
	Chipset: Qualcomm Snapdragon 732G	
	CPU: 2x Kryo 470 Gold @ 2.3GHz & 6x Kyro 470 Silver @ 1.8GHz	
	GPU: Adreno 618	
	Card slot: Expandable up to 256GB via microSD	
	Internal: 128GB 6GB RAM	
	with 3.5mm jack	
22	**Smart Television**	
	Backlight type: Direct LED	
	Panel type: vertical alignment	
	Screen size: 32"	
	Dsplay resolution: 1366*768 (HD)	
	Smart TV: Yes	
	Operating system and version: Android 9.0	
	Chromecast built or wireless dispplay: Chromecast	
	Bluetooth: Yes	

	Wifi connectivity: Yes	
	USB media file playback: photo, video, music, text (HEVC)	
	USB ports: 2	
	Ethernet: 1	
	PR 2021-04-0785 OAP PAEF	
23	**Printer**	
	All-in-one color printer (refillable ink tank system)	
	Max. print resolution: 4800 (horizontal)*1 x 1200 (vertical) dpi	
	Print head/ink Type: Individual Ink Bottle Ink Bottle: GI-790 (Cyan, Magenta, Yellow, Black)	
	Printable Area: Borderless Printing: top/bottom/right/left margin: each 0mm Supported Paper Size: A4/Letter/4x6"/5x7"/8x10") Bordered Printing: top margin: 6mm, bottom margin: 6mm, left/right margin: 6mm Paper Size: A4, A5, B5, Letter, Legal, 4x6", 5x7", Envelopes (DL, COM10), Custom size (width 101.6-215.9mm, length 152.4-676mm)	
	Prininting Resolutions: PIXMA Cloud Link: from smartphone or table: available Optical Resolution: 600x1200 dpi Max. Document Size: A4/Letter	
	Scan Scanner Type: Flatbed Optical Resolution: 600x1200 dpi Max. Document Size: A4/Letter	
	Copy Max. Document Size: A4/Letter Image Quality: Fast, Standard	
	Network Protocol: SNMP, HTTP, TCP/IP (IPv4/IPv6) Direct Connection (Wirelesss LAN): Available	
24	**Home broadband** -2.4 & 5 GHz dual-band wifi - 2 to 3 LAN Ports -LTE technology -Network Type: 3G and 4G -Connects up to 5 devices	
	PR 2021-04-0787 OAP STO	
25	HDMI cable	
	HDMI to HDMI	
	2.0 V with Ethernet and Audio return channel	
	2 Latch Locking connector	
	24k gold plated copper contact for corrosion resistance	
	ALMG triple shield 100%	
	RoHS soft PVC jacket	
	4k Ultra HD	
	PR 2021-04-0786 OAP PAEF	
26	**CPU case**	
	Type: ARX Mid Tower	
	Color: White	
	Side Panel Window: Acrylic	
	Front Panel USB: *USB 3.0 Gen 1 Type A; *USB 2.0 Type A	
	Motherboard Form Factor: -ATX -Micro ATX -Mini ITX	
	Full Height Expansion Slot: 7	

		Maximum Video Card Length: 380mm/14.961"	
		Dimensions: - 464mm x 205 mm x 444 mm - 18.268" x 8.071" x 17.48"	
		External 5.25" Bays: 2	
		Internal 2.5" Bays: 1	
		Internal 3.5" Bays: 2	
		Volume: - 42.233 L - 1.491 cu. Ft.	
27	**Uninterruptible power supply (UPS)**		
		Power Capacity (VA): 1000 VA	
		Frequency Range: 60 Hz	
		Freq. Range (Batt. Mode): 60 Hz ± 1 Hz	
		Transfer Time: Typical (4-8 ms)	
		Back-up Runtime: 10-15 mins	
		Voltage: 220 VAC	
		Voltage Range: 162-270 VAC	
		Power Output Connectors Details: 8 x power NEMA 5-15	
		Cable Length: 6 ft	
28	**DDR4 RAM (16gb)**		
		Type: 288-pin DIMM	
		Speed: DDR4-3400MHz	
		Size: 16gb (2 x 8 gb)	
		CAS Latency: 16	
		Voltage: 1.35V	
		Timing: 16-16-16-36	
		Color: Black	
		LED: RGB	
	PR 2021-04-0784 OAP PAEF		
29	**Geotagging device**		
		Sim: hybrid slim slot	
		Screen: FHD+IPS LCD Display	
		Size: 6.4 - 6.6 inches, 102.8 cm^2	
		Resolution: 1080x2400 pixels	
		Protection: Corning Gorilla Glass 5	
		OS: Android 10 with MIUI 12	
		Chipset: Qualcomm Snapdragon 732G	
		CPU: 2x Kryo 470 Gold @ 2.3GHz & 6x Kyro 470 Silver @ 1.8GHz	
		GPU: Adreno 618	
		Card slot: Expandable up to 256GB via microSD	
		Internal: 128GB 6GB RAM	
		with 3.5mm jack	
30	**Portable microphone with speaker**		
		Can support FM radio, TF card, USB flash disk, AUX audio play and voice recording	
		LY-042=Voice Amplifier + TF/USB card speaker + Bluetooth speaker + recorder + FM radio	
		Can amplify up to 33 feet away	
		UHF wireless transmission technology	
		With USB charge cable	
		Input: DC5V Power: 4hp 9w Working temp: -10°C~45°C Charge time: 2-3 hours MIC use time: 6 hours Audio play time: 8-10 hours	
	PR 2021-00-0013 BULACAN REG		
31	**Wireles Presenter**		
		Color: Black Laser Class: Class 2 Laser Wave Length: 640~660nm (red light)	

	Battery type: 2 AAA batteries Wireless operating distance: Approx 10m2 Wireless technology: 2.4 GHz wireless technology Supported OS: Windows Vista, Windows 7, Windows 8 Interface: USB Accessories: Carring case	
32	3.0 USB Hub and Card Reader Combo - Power status LED indicator - Multiple USB 3.0 interface Overcurrent and undercurrent protection - Supports Windows XP, Windows 7, 8 and Mac OS Linux - High speed data transfer up to 5 Gbps - Compatibility card: MS, M2, SD, TF	
33	Wireless Mouse and Keyboard Combo - 2.4 wireless technology - up to 10 meters connection - on/off switch - full size keyboard - plug and play	
34	Casing Fan with LED - Material: polyethylene - Color: Black - Length: 1m - Outer Diameter: 8mm	
35	Wire Spriral Wrap Sleeving Band Tube/ Cable Protector - Material: polyethylene - Color: Black - Length: 1m - Outer Diameter: 8mm	
36	**Mouse pad, comfort mouse pad with wrist rest gel suppoort mat mice**	
37	**USB 3.0 flash drive, 32GB**	
38	**Network Ehternet LAN kit**	
	Stripping cable: Network Cable Tester: This Network Cable Tester is for test of RJ11, RJ12, RJ45, 10/100 Base-T, TIA 568A /568B AT&T 258A, BNC, Cat 5, etc	
	This device be separated into two units: Main Unit and Remote Unit.	
	The Remote Unit allows you to test cables installed far away either on patch panel or wall plate with the Auto-Test.	
	Mode and 9 LED indicators for testing each pin.	
	Compact and Light Weight.	
	Packaged with a leather case for storage.	
	Powered by a 9V battery Network Cable Crimper: For cuts, strips and crimps for 8P8C/ RJ-45, 6P6C/RJ12, 6P4C/RJ-11, 4P4C & 4P2C in one tool Packing Accessories:	
	1. Cross screwdriver:	
	Soft rubber handle, the cutter head and magnetic treatment, used for disassembling desktop computers, printers and other equipment screw	
	2. Flat screwdriver:	
	Soft rubber handle, the cutter head and magnetic treatment for auxiliary disassembling components, such as the CPU fan or casing, etc.	
	3. Network tester (for testing cables)	
	4. Crimping pliers	
	5. Wire stripping k nife	
	6. Stripping pliers k nife	
	7. K nife	

	8. Card knife		
	9. Crystal Connectors (10pcs)		
	10. Plastic Box		
	11. Bag		
	Package Included:		
	1 x 9Pcs Network Computer Maintenance Repair Tool Kit		
	1 x User Manual		
	1 x Storage Bag		
39	**16-port Gigabit Switch**		
	Standards and Protocols: 802.3 10BASE-T Ethernet 802.3u 100BASE-TX Fast Ethernet 802.3ab 1000BASE-T Gigabit Ethernet 802.3z Gigabit Ethernet 802.3x flow control 802.1p priority 802.3az, Energy Efficient Ethernet Ports16 RJ-45 connectors for 10BASE-T/100BASE-TX LED Indicators System/PWR, Link/Activity, 100M,* Gigabit,*		
	PR 2021-00-0015 BULACAN REG		
40	**Portable Sheetfed Document Scanner**		
	Maximum Resolution: 600 dpi Color Depth: 24-bit Duplex Scanning Scan Speed: 23-46 ipm Minimum Scan Size: Letter Maximum Scan Size: Legal Media Handling: Automatic Document Feeder Sheet Capacity: 20 Sheets Daily Duty Cycle: 1000 scans Connectivity: USB 2.0		
41	Wifi All-In-One Tank Printer		
	Printer: **Minimum Printing Resolution: 1200 dpi** Ink type: Individual Ink Charge Paper Size: A4, A5, B5, LTR, LGL, 4 x 6", 5 x 7", 8 x 10", Envelopes (DL, COM10) Scanner: Scanner Type: Flatbed & ADF Scanning Method: Contact Image Sensor Optical Resolution: 2400 x 4800dpi Colour: 48 bit Additional Feature: Wireless Connectivity		
42	**LED Display for PPT Presentation**		
	Screen Size: 40-inch Connectivity: Wifi, LAN USB Port: USB 2.0 x1 TV Resolution: Full HD HDMI port: 2 OS: Android Oreo Smart TV		
43	**Wi-Fi Range Extender**		
	- Speed: 2.4GHz band (300Mbps) and %GHz (433Mbps), stable dual band wi-fi extension, compatible with any wi-fi router		
	PR 2021-00-0087 SWRRD NUE		
44	OTG 64GB on the Go USB micro		
45	OTG 64GB on the Go USB Type C		
	PR 2021-00-0087 SWRRD REGULAR		
46	**Wireless Headphones for conferences with microphone**		
	Lightweight, folding design for ultimate music mobility		
	30 mm ferrite drivers for powerful, balanced sound		
	10–24,000 Hz frequency range		

	Padded earcups for comfortable listening		
	PR 2021-00-0087 SWRRD RICE R & D		
47	USB 2.4GHz Wireless PPT PowerPoint Presenter Pointer Clicker Laser Remote Control		
	PR 2021-04-0692 SWRRD OAP-SHA		
48	RAM, 8GB Single DDR4 2666Mhz		
49	Casing, Mid Tower Chassis		
50	Monitor; Resolution: 1920x1080p HDMI, VGA		
51	Processor, Intel Core i5-9600 (9th Gen)		
52	Motherboard, 360 series motherboard (9th Gen Compatible)		
53	Hard disk, 1TB Capacity 7200RPM 3.5 inch		
54	Power Supply, 500W 80+High Efficiency		
55	Internal SSD, 500GB		
56	Wireless Mouse & Keyboard Combo keyboard:		
	Nano receive		
	Wifi range (in metes): 10m		
	SilentTouch Technology		
	On/Off power switch		
	Mouse:		
	Silent touch Technology		
	Contoured compact shape		
	On/off power button		
57	**Printer All-in-one**		
	Functions: Print, copy, scan, wireless		
	Printed speed black: ISO: Up to 8 ppm		
	Print speed color: ISO: Up to 5 ppm		
	Number of print cartridges: 1 black bottle, set of 3 color bottles		
	Connectivity		
	Wireless capability: Yes		
	Connectivity, standard: 1Hi-speed USB 2.0		
	Paper handling		
	Paper handling input, standard: 60 sheet input tray		
	Paper handling output, standard: 25 sheet output tray		
	Borderless printing: Yes, up to 8.5 x 11 in (US letter), 210x297mm (A4)		
	Scanner specification		
	Scanner type: Flatbed		
	Scan file format: JPEG, TIFF, PDF, BMP, PNG		
	Scan resolution, optical: Up to 1200 x 1200 dpi		
	Copier specifications		
	Copy resolution (black text): Up to 600 x 300 dpi		
	Copy resolution (color text and graphics): Up to 600 x 300 dpi		
58	**Portable Scanner**		
	Scan Function		
	Scanner type: A4 sheet-fed colur scanner		
	Sensor Type: Contact Image Sensor (CIS)		
	Scanning Method: Fixed document and moving carriage		
	Light Source: RGB LED		
	Optical Resolution: 600 x 600 dpi		
	Output Resolution: 50-1,200 dpi (in 1 dpi increments)		
	Scanner Bit Depth (Colour):48-bit input, 24-bit output		
	Scanner Bit Depth (Grayscale): 16-bit input, 8-bit output		
	Scanner Bit Depth (Black&White): 16-bit input, 1-bit output		
	Min Document Size: 50.8 x 50.8mm		
	Max Document Size: 21.6 x 1,828.8mm		
	Supported Paper Weight: 35-270/ g/m2		
	Daily Scan Volume: Up to 300 sheets/day		
	Interface: USB 2.0 (Mciro-B), Wi-fi		
	Scan Speed		

	Resolution (Colour/ Monochrome): 200dpi: 4.0 sec (Battery)/ 5.5sec (USB Bus powered)	
	300dpi: 4.0sec (Battery)/5.5sec (USB Bus powered) 600dpi: 9.0sec (Battery)/9.0sec (USB Bus powered)	
	PR 2021-04-0696 SWRRD OAP R&D Continuing	
59	**Voice Recorder** General Features Battery Type: Dry Battery Built-In Memory: 4gb Built-In Microphone: Stereo Calendar Search: Yes Maximum Files (Total): 5000 Pc Connectivity: Yes Playback Format: Mp3/Wma/Aac-Lc/L-Pcm Recording Max. Recording Time Mp3 192 Kbps: 39 Hrs 45 Min Interface Input And Output Terminals [Pc I/F] Hi-Speed Usb [Input] Stereo Mic-In Jack [Output] Stereo Earphone Jack	
	PR 2021-04-0695 SWRRD Regular Fund	
60	**Web camera for PC** Specifications: Product Type: USB Video Camera Color: Black Material: ABS Mirrored: Yes Lens: Image Sensor: 1/2.7 2MP Image Range: 1.5-5 meters Lens: 4.0mm Connectivity: Wired: Yes Interface Cable: 2.0 USB Cable length: 1.5m FOV: 360-degrees Sensor Type: CMOS Pixels: 2 mega-pixels Video Frame rate: 30FPS Detection distance: 5 meters Video Resolution: 1920 x 1080P	
	Compatibility: Suitable for: Video conferencing, video calls, HD recording, live online classes, etc. Chat software support: Yahoo, MSN, QQ, Alitalk, WeChat, Nail nail, YouTube, Facebook, Skype, WhatsApp, LINE System Support: Windows 7, Windows 8, Windows XP, Windows 10, Mac IOS, VISTA, etc.	
	PR 2021-00-0046 ALMED SEMLUR/NPAAAD/REG	
61	**All-in-one Ink Tank Printer with ADF**	
	High-quality printing	
	Print, scan, copy, fax with Automatic Document Feeder and Flatbed feeder	
	Spill-free, error-free refilling	
	High yield ink bottles	
	Borderless printing	
62	**Printer with ADF 4-in-1: Print, copy & scan and borderless photo printing**	
	Wi-Fi Direct, Ethernet: Print from mobile devices	
	Scanner type: Contact image sensor (CIS)	
	Scan Optical Resolution: 1,200 DPI x 2,400 DPI (Horizontal x Vertical)	

	Single-sided scan speed (A4 colour): 200 dpi (with ADF); , 4.5 ipm with ADF scan 200 dpi (flatbed) 29 sec. with flatbed scan	
	ADF:30 pages	
	Paper tray capacity: 100 sheets standard	
63	**Storage Backup Plus 6TB, External Hard Drive**	
64	**UPS, 650 VA 390 watts UPS**	
65	**Monitor, 21.4", Panel type: TN 1920x1080 resolution**	
66	Portable Projector : Native Resolution: 800x480, LCD, LED 34-130 inch, Manual Control TV/HDMI/USB/AV/VGA/SD , Audio file Format: WMA,MP3, M4A, Image File: JPEG, BMP, PNG Video File : RM/RMVB, MPEG1,MPEG2, H264, MOV, MJPEG, FLVVVCI, DIVX, etc.	
67	All-in-One Multifuction Printer High Quality printing, Print, scan copy, fax w/ automatic document feeder and flatbed feeder, Spill free, error free refilling, High Yield ink bottles, boardless printing	
68	Printer 4 in 1: Print Method: On-demand inkjet (piezoelectric) Maximum Print Resolution : 5760 x 1440 dpi (with variable-sized droplet technology) Print Direction: Bi-directional printing, Undirectional printing Maximum Copy Size: A4, Letter	
69	Geo-Tagging Device: 6-6.5" Full View Display, 2340 x 1080 high resolution, Android 8.1, 4gb+64gb GPS/APS/Glonass, Bluetooth, Micro Usb, Wifi direct, Wifi Hotspot, Fingerprint sensor, proximity, front cam :16m, Rear cam: 13m Battery :4000 maH	
70	Wifi Router (2402Mbps+574Mbps) External Antenna x 4, 2.4 Ghz 2 x 2; 5Ghz 2 x 2, Transmit/receive: 2.4 GHz x 2; 5 GHz 2x2, processor: 1.5 GHZ tri-core processor. Operation Mode: Wireless router mode; access point mode; Media Bridge Mode Processor: 1.5 Ghz tri-core processor	
71	Digital Camera Type: 1/2 3 type back-illuminated CMOS, Type: DIGIC 4+ with Isaps technology, Zoom: Optical 25x, ZoomPlus50x, FOCUSING,Type:TT,Limage Size: , 4:3 - (L) 5184 x 3888, (MI) 3648 x 2736,(M2) 2048 x 1536, (M) 2592 x 1944,(S) 640 x 480, 16:9 - (L) 5184 x 2912 (MI) 3648 x 2048, (M20 2048 x 1368, (S) 640 x 424, 1:1 - (L) 3888 x 3888, (MI) 2736 x 2736,(M1) 2736 x 2736, (M2) 1536 x 1536, (S) 480 X 480, Resize option available in playback, Hi-Speed USB dedicated connector (Micro-B compatible)	
72	NAS Storage: Gigabit Ethernet, USB 3.0 5 GB/s (Max, USB 2.0 480 mb/s (Max)	
73	Display Monitor: 27" , IPS Technology, Full HD 1080 res., Display Port and VGA input	
	PR 2021-00-0087 LSD REGULAR	
74	Desktop Memory, 32GB, DDR4, 3600MHz	
75	Desktop Memory, 8GB, DDR3, 1600MHz	
76	Power Supply Unit, True-rated, RAVE 80 PLUS 800WATTS	
77	Power Adapter, 100 cm, 24W, Voltage Input: AC 100-240V Electric Current: Max. 2A	
78	USB Keyboboard Vacuum Cleaner, Power: 8W Voltage: DC 5V	

	Power supply: Usb charging Battery capacity: 2000mAh colour:black Material:ABS		
	PR 2021-00-0087 LSD PD 1435		
79	Memory Ram, SODIMM, 16GB, 3200MHz, DDR4C CL22		
	PR 2021-00-0050 SSD REG		
80	Keyboard and mouse wireless combo, wireless range: 10m, 2.4GHz wireless connectivity compatible for tablet, laptop		
81	External Drive SSD, USB 3.0/3.1 atleast 500 GB		
	PR 2021-00-0118 Planning REGULAR		
82	OTG (Micro-USB, 32gb)		
	PR 2021-04-0612 Planning REGULAR		
83	**Desktop Microphone**		
	Sample Rate: 48kHz		
	Bit Rate: 16-bit		
	Capsules: 3 Blue-proprietary 14mm condenser capsules		
	Polar Patterns: Cardioid, Bidirectional, Omnidirectional, Stereo		
	Frequency Response: 20 Hz-20 kHz		
	Impedance: 16 ohms		
	Power Output (RMS): 130mW		
	USB 1.1/2.0/3.0		
84	**Speaker**		
	Speaker Type Full Range		
	Input and Output Terminals Stereo Mini Jack (IN), micro USB		
	Frequency Transmission Range 20 Hz-20,000 Hz (44.1 kHz sampling)		
	Battery Life Approx. 12 hours (Standard mode/lighting off)		
	Approx. 10 hours (EXTRA BASS mode/\lighting on)		
	Extra Bass sound with Live Sound mode 20 Hz-20,000 Hz (44.1 kHz sampling)		
	PR 2021-02-284 GSITD REG		
85	Motherboard (for Ryzen 9 3rd Gen), compatible with Ryzen 9 (3rd Gen) Socket type: AM4+ Chipset: x570		
86	Fiber Module		
87	Monitor (4K 55) Size: at least 55 inches Resolution: 4K UDH		
88	Keyboard and Mouse Combo (Wireless Full-size) Long range wireless 2.4 GHz Full size keyboard and mouse Bluetooth receiver Plug and play with On/Off switch with CAPS lock indicator light with battery indicator light		
89	RAM Desktop (DDR4 16GB) Memory type: DDR4 for desktop Capacity: 16 GB (1 x 16GB)		
90	RAM Desktop (DDR3 1600 8GB) Memory type: DDR3 for desktop Capacity: 8 GB (1 x 8GB) Speed: 1600 MHz		
91	SSD (Internal 500GB) Internal Solid State Drive (SSD) at least 550 MB/s transfer SATA 500 GB		

92	PSU (500) Power Supply Unit (PSU) 500 w with 80% efficiency		
93	Monitor (FHD 27) Size: at least 27 inches Resolution: 1920 x 1080 FHD IPS Panel		
94	SSD (Internal M.2 NVMe 500GB) Internal Solid State Drive (SSD) at least 3 GB/s transfer M.2 NVMe 500 GB		
95	PSU (1000) Power Supply Unit (PSU) 1000 w 80 plus gold modular		
96	Casing (Desktop Full Tower) Desktop casing with tempered glass side panel Type: Full Tower USB 3.0		
97	RAM Desktop (DDR4 3600 32GB 2x16) Memory type: DDR4 for desktop Capacity: 32 GB (2 x 16GB) Speed: 3600 MHz Multi-channel		
98	HDD (Internal 4TB) Internal Hard Disk Drive (HDD) at least 5900 RPM 3.5 inch 4 TB		
	PR 2021-02-284 GSITD NSST		
99	Casing (Desktop Mid Tower) Desktop Casing Type: Mid Tower USB 3.0		
	PR 2021-04-0701 GSITD AFACI (TRUST FUND)		
100	Laptop (i7 Touch) Processor: at least i7 Memory: atleast 16GB Display: atleast 13.9: UHD Touch IPS Display Storage: 1TB SSD Input Keyboard: 85-key (Illumintated keyboard) USB port: Thunderbolt 4 (Type-C) USB 3.2 (Type-A) OS: Windows 10 Pro w/ Card Reader		
101	Laptop (i7) Processor: at least i7 Graphics: atleast 1660 6GB GDDR6 Memory: atleast 16GB Display: atleast 15.6" Full HD 240Hz, 3ms Storage: 1TB SSD Input Keyboard: Backlit chicklet keyboard USB port: Thunderbolt 4 (Type-C) USB 3.2 (Type-A) OS: Windows 10 Pro w/ Card Reader		
	PR 2021-04-0700 GSITD AFACI (TRUST FUND)		
102	Processor (Ryzen 9 3rd Gen) Ryzen 9 3900x 12-core (3rd Gen)		
103	Motherboard (for Ryzen 9 3rd Gen) compatible with Ryzen 9 (3rd Gen) Socket type: AM4+ Chipset: x570		
104	**RAM Desktop (DDR4 3600 32GB 2x16 RGB)** Memory type: DDR4 for desktop Capacity: 32 GB (2 x 16GB)		

	Speed: 3600 MHz Multi-channel RGB	
105	SSD (Internal M.2 NVMe 500GB) Internal Solid State Drive (SSD) at least 3 GB/s transfer M.2 NVMe 500 GB	
106	SSD (External USB3.1 500GB) External Solid State Drive (SSD) Portable USB 3.1 at least 550 MB/s transfer Weight should not exceed 140 g 500 GB	
107	Monitor (FHD 27) Size: at least 27 inches Resolution: 1920 x 1080 FHD IPS Panel	
108	Mouse Bluetooth mouse Sensor technology: Advanced optical tracking Sensor resolution: 1000	
109	Keyboard and Mouse Combo (Wireless) Long range wireless 2.4 GHz Bluetooth receiver Plug and play	
110	Speaker (Portable) Speaker Type: Full Range Sound Modes: Extra Bass, stamina Mode Bluetooth Version 5 USB Type-c Battery Life: approx 12 hrs	
111	Headphone Typre: Closed Dynamic Volume Control: Yes Bluettoth Version 5 Battery Life: approx 30hrs Battery Charge Method: USB Type-C	
112	Camera (Webcam 4K) Multiple Resolutions 4k/30 FPS 10809/30 or 60FPS 720p/30, 60 or 90 FPS Focus Type: sutofocus Lens Type: glass Built-in mic: stereo, dual omni-directional Digital Zoom: 5x USB Connectivity USB-A plus and play HDR clear image	
113	Voice Recorder built-in memory: 4GB Built-in Microphone: Stereo (S-Mic0 LCD Backlight: Yes Recording Scene Select Sync Recording Function Recording Monitor	
114	Earpod Earpod Type: Closed Dynamic Volume Control: Yes Waterproof: IPX4 Equivalent Battery Life: approx 5hrs Battery Charging Method: USB Charging w/ case Features: Extra Bass	
115	Microphone (Desktop) Sample Rate: 48kHz Bit Rate: 16-bit Capsules: 3 Blue-proprietary 14mm condenser	

	capsules Polar Patterns: Cardioid, Bidirectional, Omnidirectional, Stereo Frequency Response: 20 Hz-20 kHz Impedance: 16 ohms Power Output (RMS): 130mW USB 3.0 with backward compatibility	
	PR 2021-04-0804 GSITD DCAF (TRUST FUND)	
116	HDD (External 2TB) External Hard Disk Drive (HDD) Portable Compatible with Windows and Mac at least 120 MB/s transfer Weight should not exceed 140 g 2 TB	
	PR 2021-04-0716 GSITD DCAF (TRUST FUND)	
117	Tablet Display: at least 10 inches (diagonal) Memory: at least 2G RAM at least 32G ROM OS: at least Android 10 Rear camera: at least 5MP front camera:at least 2MP Wifi frequency at least 2Ghz with simcard and microSD slots Bluetooth supported OTG / USB supported Battery: at least 500 mAH	
	PR 2021-04-0778 GSITD DCAF (TRUST FUND)	
118	**Processor (i7 11th Gen) Intel Core i7 (11th Gen)**	
119	Motherboard (for i7 11th Gen) compatible with Intel Core i7 (11th Gen) Socket type: LGA1200 Chipset: x590	
120	RAM Desktop (DDR4 3600 32GB 2x16 RGB) Memory type: DDR4 for desktop Capacity: 32 GB (2 x 16GB) Speed: 3600 MHz Multi-channel RGB	
121	SSD (Internal M.2 500GB) Internal Solid State Drive (SSD) M.2 500 GB	
122	Computer Casing, Full-Tower size with USB 3.0	
123	PSU (500) Power Supply Unit (PSU) 500 w with 80% efficiency	
124	**Monitor (FHD 27)** **Size: at least 27 inches** **Resolution: 1920 x 1080 FHD** **IPS Panel**	
125	Keyboard and Mouse Combo (Wireless Full-size) Long range wireless 2.4 GHz Full size keyboard and mouse Bluetooth receiver Plug and play with On/Off switch with CAPS lock indicator light with battery indicator light	
126	Microphone (Desktop) Sample Rate: 48kHz Bit Rate: 16-bit Capsules: 3 Blue-proprietary 14mm condenser capsules Polar Patterns: Cardioid, Bidirectional, Omnidirectional, Stereo	

	Frequency Response: 20 Hz-20 kHz Impedance: 16 ohms Power Output (RMS): 130mW USB 3.0 with backward compatibility	
127	Camera (Webcam FHD w/ mic) Multiple resolution 1080p/30fps (up to 1920 x 1080 pixels) 720/30fps (up to 1280 x 720 pixels) with supported clients H. 26 Focus Type: auto focus Lens Type: glass Built-n mic: stereo, dual omni-directional	
	PR 2021-04-0687 Bukidnon Regular Fund	
128	Tablets: 8 inch display, At least 3gb RAM,) OS: Android Octa Core, at 32 GB (storage) at Least 5mp(Camera)	
	PR 2021-04-0752 Tanay OAP Cont.	
129	Keyboard (wired color black)	
130	Printer USB cable wire (for Epson Printer)	
131	OTG for IOS iXpand USB 3.0, 256GB	
132	Wireless n150 USB Adapter	
	PR 2021-04-0697 Budget Regular Fund	
133	Processor-Intel Core i7-9700 (9th Gen)	
134	Processor-Intel Core i7-6700 (6th Gen)	
135	Internal SSD-Capacity 500GB	
136	RAM-8GB Single DDR4	
137	Hard Disk-2TB 7200RPM 3.5"	
138	PSU-500W 80% Efficiency	
	PR 2021-04-0705 DO Regular Fund	
139	Wireless Telephone	
	Compliance with Section VI. Schedule of Requirement	

Name and Signature of Authorized Representative

Company Name

Date Signed