

# **DEPARTMENT OF AGRICULTURE**

Regional Field Office No. 5  
San Agustin, Pili, Camarines Sur 4418



## **Supply and Delivery of Various ICT for use of DA RFO 5**

**28-GOODS-ICT-2023**

**ABC: ₱5,111,250.00**

**Sixth Edition**

**September 7, 2023**

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# *Glossary of Acronyms, Terms, and Abbreviations*

**ABC** – Approved Budget for the Contract.

**BAC** – Bids and Awards Committee.

**Bid** – A signed offer or proposal to undertake a contract submitted by a bidder in response to and in consonance with the requirements of the bidding documents. Also referred to as *Proposal* and *Tender*. (2016 revised IRR, Section 5[c])

**Bidder** – Refers to a contractor, manufacturer, supplier, distributor and/or consultant who submits a bid in response to the requirements of the Bidding Documents. (2016 revised IRR, Section 5[d])

**Bidding Documents** – The documents issued by the Procuring Entity as the bases for bids, furnishing all information necessary for a prospective bidder to prepare a bid for the Goods, Infrastructure Projects, and/or Consulting Services required by the Procuring Entity. (2016 revised IRR, Section 5[e])

**BIR** – Bureau of Internal Revenue.

**BSP** – Bangko Sentral ng Pilipinas.

**Consulting Services** – Refer to services for Infrastructure Projects and other types of projects or activities of the GOP requiring adequate external technical and professional expertise that are beyond the capability and/or capacity of the GOP to undertake such as, but not limited to: (i) advisory and review services; (ii) pre-investment or feasibility studies; (iii) design; (iv) construction supervision; (v) management and related services; and (vi) other technical services or special studies. (2016 revised IRR, Section 5[i])

**CDA** - Cooperative Development Authority.

**Contract** – Refers to the agreement entered into between the Procuring Entity and the Supplier or Manufacturer or Distributor or Service Provider for procurement of Goods and Services; Contractor for Procurement of Infrastructure Projects; or Consultant or Consulting Firm for Procurement of Consulting Services; as the case may be, as recorded in the Contract Form signed by the parties, including all attachments and appendices thereto and all documents incorporated by reference therein.

**CIF** – Cost Insurance and Freight.

**CIP** – Carriage and Insurance Paid.

**CPI** – Consumer Price Index.

**DDP** – Refers to the quoted price of the Goods, which means “delivered duty paid.”

**DTI** – Department of Trade and Industry.

**EXW** – Ex works.

**FCA** – “Free Carrier” shipping point.

**FOB** – “Free on Board” shipping point.

**Foreign-funded Procurement or Foreign-Assisted Project**–Refers to procurement whose funding source is from a foreign government, foreign or international financing institution as specified in the Treaty or International or Executive Agreement. (2016 revised IRR, Section 5[b]).

**Framework Agreement** – Refers to a written agreement between a procuring entity and a supplier or service provider that identifies the terms and conditions, under which specific purchases, otherwise known as “Call-Offs,” are made for the duration of the agreement. It is in the nature of an option contract between the procuring entity and the bidder(s) granting the procuring entity the option to either place an order for any of the goods or services identified in the Framework Agreement List or not buy at all, within a minimum period of one (1) year to a maximum period of three (3) years. (GPPB Resolution No. 27-2019)

**GFI** – Government Financial Institution.

**GOCC** –Government-owned and/or –controlled corporation.

**Goods** – Refer to all items, supplies, materials and general support services, except Consulting Services and Infrastructure Projects, which may be needed in the transaction of public businesses or in the pursuit of any government undertaking, project or activity, whether in the nature of equipment, furniture, stationery, materials for construction, or personal property of any kind, including non-personal or contractual services such as the repair and maintenance of equipment and furniture, as well as trucking, hauling, janitorial, security, and related or analogous services, as well as procurement of materials and supplies provided by the Procuring Entity for such services. The term “related” or “analogous services” shall include, but is not limited to, lease or purchase of office space, media advertisements, health maintenance services, and other services essential to the operation of the Procuring Entity. (2016 revised IRR, Section 5[r])

**GOP** – Government of the Philippines.

**GPPB** – Government Procurement Policy Board.

**INCOTERMS** – International Commercial Terms.

**Infrastructure Projects** – Include the construction, improvement, rehabilitation, demolition, repair, restoration or maintenance of roads and bridges, railways, airports, seaports, communication facilities, civil works components of information technology projects, irrigation, flood control and drainage, water supply, sanitation, sewerage and solid waste management systems, shore protection, energy/power and electrification facilities, national

buildings, school buildings, hospital buildings, and other related construction projects of the government. Also referred to as *civil works or works*. (2016 revised IRR, Section 5[u])

**LGUs** – Local Government Units.

**NFCC** – Net Financial Contracting Capacity.

**NGA** – National Government Agency.

**PhilGEPS** - Philippine Government Electronic Procurement System.

**Procurement Project** – refers to a specific or identified procurement covering goods, infrastructure project or consulting services. A Procurement Project shall be described, detailed, and scheduled in the Project Procurement Management Plan prepared by the agency which shall be consolidated in the procuring entity's Annual Procurement Plan. (GPPB Circular No. 06-2019 dated 17 July 2019)

**PSA** – Philippine Statistics Authority.

**SEC** – Securities and Exchange Commission.

**SLCC** – Single Largest Completed Contract.

**Supplier** – refers to a citizen, or any corporate body or commercial company duly organized and registered under the laws where it is established, habitually established in business and engaged in the manufacture or sale of the merchandise or performance of the general services covered by his bid. (Item 3.8 of GPPB Resolution No. 13-2019, dated 23 May 2019). Supplier as used in these Bidding Documents may likewise refer to a distributor, manufacturer, contractor, or consultant.

**UN** – United Nations.

## ***Section I. Invitation to Bid***



## INVITATION TO BID

### Supply and Delivery of Various ICT for use of DA RFO 5

- The *Department of Agriculture Regional Field Office No. 5 (DA RFO 5)*, through the General Appropriations Act (GAA) for CY 2023- ICT intends to apply the sum of **Five Million One Hundred Eleven Thousand Two Hundred Fifty Pesos (Php5,111,250.00)** being the total ABC to payments under the contract for **ITB No. 28-GOODS-ICT-2023**.

Bids received in excess of the ABC shall be automatically rejected at bid opening. Partial Bid is NOT allowed.

- The *Department of Agriculture Regional Field Office No. 5* now invites bids for the following:

Item No.	QTY	Description	UNIT COST	Place of Delivery	Delivery of the Goods
<b>VARIOUS ICT</b>					
<b>1</b>	1 unit	<b>Cloud Core Enterprise Router</b> CPU: 36 cores TLR4-03680 1.2 GHz RAM: 8GB Storage: NAND 1GB OS: Router OS License Level: 6 10/100/1000 Ethernet ports: 8 1G/10G SFP+ ports: 2 M.2 slot: 1 PCIE x4 Memory card slot: 1 micro SD USB ports: 1 USB type A Serial port: 1 RJ45 Supported Input Voltage: 100V - 240V Number of AC inputs: 2 Max Power Consumption 73W with CPU and PCB temperature monitor with rack installation kit	129,500.00	DA RFO 5, San Agustin, Pili, Cam. Sur	45 calendar days upon receipt of NTP
<b>2</b>	1 set	<b>Enterprise mapping UAV</b> Aircraft specs: Max wind resistance: 12m/s Max flight time: 45mins / Max hover time: 38mins Max flight distance: 32km GNSS: GPS, Galileo, BeiDou, GLONASS 4/3 inch CMOS 20MP Wide Camera 1/2 inch CMOS 12 MP Tele Camera Omnidirectional binocular vision system, with bottom infrared Occusync 3 Enterprise Video Transmission RC specs: 15km max unobstructed signal range 4 antennas, 2T4R 5.5inches HD 1,000nits 60fps screen / 10-point multitouch 64 GB ROM / approx. 3 hours operating time 3x battery with charging hub Accessories specs:	450,000.00		

		Self-balancing algorithm / Rated 800W dual motor rollers Torque: 70nm / automated headlight Sensor lighting for signal / iridescent taillight 310 Wh battery / 54.3 VDC Max / 59.6 charging voltage Max speed: 18km/hr / 30 km range			
3	2 units	<b>Presidential portable teleprompter</b> Features: strong adjustable stand, max height: 2meters 19 inch display, 300 nits screen brightness Self-reversing HD monitor, supports USB, VGA, HDMI, AV video direct input Support PPT, WORD, PDF, JPG, RTF, TXT, etc. Super thin 2mm 60/40 or 7170/30 rate beam splitter Control mode supports wireless remote controller, wireless mouse and keyboard or foot pad	90,000.00		
4	1 set	<b>RGB Sensor payload set</b> Sensor Specs: R10 Body mirrorless camera Full frame 24.2 MP APS-C CMOS sensor 3" LCD monitor 4K UHD 6K oversampling and 4K 60p black video AF modes: One-shot AF, Servo AF / Built-in Flash Supported battery: LP-E17 / Supported charger: LC-E17  Lens Specs: RF85mm f/2 Macro IS STM 78 x 90.5 mm Diameter and Length Gear stepping motor / Image Stabilization w/ lens cap, lens hood and bag	210,000.00		
5	1 set	<b>Network backup power supply</b> 5.5 KW capacity 12x 450w panel 5.5kw SNADI Hybrid Inverter (Built-in 100A MPPT SCC) 12KWHr Deep Cycle Gel Battery Railings and Brackets Wiring, Connectors, Breakers and Pipes With Site Installation on RCMC Bldg	450,000.00		
6	1 set	<b>Network expansion cards</b> DS1821+ 10Gbps SFP+ 2 port PCIE network expansion card Rack server compatible 10Gbps SFP+ 2 port PCIE network expansion card X520-DA2 chipset 10Gbps SFP+ 2 port PCIE network expansion card	90,400.00		
7	1 unit	<b>Hypervisor / Storage Server</b> CPU: 2x Xeon Bronze 3204, 6-core 6-Threads 1.9GHz RAM: 256GB DDR4 ECC HDD: 8x 4TB 3.5" NAS Grade HDD (up to 18 3.5" HDD) SSD: 2x 512GB NVME SSD	680,000.00		



		RAID Controller: Perc H330 (supports IT mode for ZFS) PSU: 750W Platinum 80+ Network Cards: i350-T4 1GbE 4-port RJ45 NIC 2x 10GbE SFP LOM iDRAC 9 up to 8 PCIE Gen 3 Slots			
8	6 units	<b>Kobo data collection equipment</b> OS: Android 12 CPU: Dimensity 9000+ Graphics: Mali-G710 Memory: LPDDR5X 16GB Storage: UFS 3.1 512GB Display: 6.78" 20.4:9 (2448 x 1080) 165Hz / 1ms AMOLED Corning Gorilla Glass Victus Delta-E < 1 Main Camera: IMX766 50 MP image sensor - 1/1.56" large sensor size, 1 µm pixel size. F1.9 aperture, 23.8mm equivalent focal length in 35mm film camera Second Rear Camera: 13 MP, Ultrawide-angle camera, 12.5mm equivalent focal length in 35mm film camera Third Rear Camera: 5 MP, Macro Front Camera: 12 MP, 27.5mm equivalent focal length in 35mm film camera Integrated WiFi 6E* (802.11a/b/g/n/ac/ax, 2x2 MIMO) Supports 2.4GHz/ 5GHz/ 6GHz WiFi Bluetooth® 5.3 (HFP + A2DP + AVRCP + HID + PAN + OPP) Wi-Fi Direct and NFC Dual slots: 5G*+5G or 4G dual-SIM / dual-standby support Sensor: In-display fingerprint sensor, face recognition, accelerometer, e-compass, gyroscope, proximity sensor, ambient-light sensor, ultrasonic sensors for Air Trigger 6 and grip press Battery: 6000 mAh, supports PD charging Box contains: Aeroactive Cooler 6, USB power adapter (65-Watt), USB-C to USB-C cable, Aero Case and AR Card	59,350.00		
9	1 unit	<b>Smart ICT Satellite Broadband Device and Annual Subscription</b> Antenna Specifications: Type: Electronic Phased Array Orientation: Motorized Self Orienting Environmental Rating: IP54 Operating Temperature -30°C to 50°C (-22°F to 122°F) Field of View 100° Average Power Usage 50-75W  Indoor Wi-Fi Specifications: Wi-Fi Technology: IEEE 802.11a/b/g/n/ac standards Chipset: Wi-Fi 5 Radio Dual Band - 3 x 3 MIMO	98,600.00		

		<p>Security: WPA2  Environmental Rating: IP54, configured for indoor use  Range Up to 185m<sup>2</sup> (2000sqft)  Operating Temperature: -30°C to 50°C (-22°F to 122°F)  with ethernet accessory</p> <p>Inclusion of 1 year subscription</p>			
<b>10</b>	1 unit	<p><b>16-port SFP+ Switch</b>  16x 10GE SFP+ Slots  1x RJ45 Console Port  1x Micro-USB port  1x Fan  Rack Mountable  100-240 V AC ~50/60 Hz  Max Power Consumption: 32.74W  Switching Capacity: 320Gbps  Packet Forwarding Rate: 238.08 Mpps  MAC Address Table: 32K  Packet Buffer Memory: 24 Mbit  Jumbo Frame: 9 KB  L2 and L2+ features:  - Link Aggregation  - static link aggregation  - 802.3ad LACP  - Up to 8 aggregation groups, containing 8 ports per group  - Spanning Tree Protocol  Zero-Touch Provisioning with app  with rack-mount kit</p>	52,000.00		
<b>11</b>	2 units	<p><b>24-Port Gigabit POE+ and 4-Port 10GE SFP+</b>  Specifications:  24x 10/100/1000 Mbps RJ45 Ports  4x 10G SFP+ Slots  1x RJ45 Console Port  1x Micro-USB port  2x Fan  Rack Mountable  24 PoE ports, up to 30W per port  802.3at/af Standard  Power Budget: 384W  100-240 V AC ~50/60 Hz  Max Power Consumption: 34.4W idle, 465.8W with 384W PD device connected  Switching Capacity: 128Gbps  Packet Forwarding Rate: 95.23 Mpps  MAC Address Table: 16K  Packet Buffer Memory: 12 Mbit  Jumbo Frame: 9 KB  L2 and L2+ features:  - Link Aggregation  - static link aggregation  - 802.3ad LACP  - Up to 8 aggregation groups, containing 8 ports per group  - Spanning Tree Protocol  Zero-Touch Provisioning with app  with rack-mount kit</p>	79,200.00		

		Accessories: Prefabricated rolled steel tower hub (10 meters) Tri-footing to be installed on RCMC Bldg and FOD Bldg.			
12	1 unit	<b>Fiber Optic Automatic Fusion Splicer Machine</b> Model: AI-9 Fusion Splicer Applicable Fibers: SM (G.652&G.657), MM ( G.651), DS(G.657), NZDS (G.655) Splice Loss: 0.025dB (SM) 、 0.01dB (MM) 0.04dB (DS/NZDS) Focus mode: 6 motors Auto focus Fiber alignment: Core/cladding alignment Manual alignment Typical splicing time: 5S Typical heating time: 15S - Fast heating function, heating time can be set , Automatic heating (Preheating), heating programs (max.10) Control technology: Real-time control and calibration of fusion ARC Splicing Mode: Normal / high precision splicing (splicing programs max 100) Splicing method: Fully automatic, step by step splicing Splicing record storage: Synchronize to the phone, the server to cloud storage unlimited Built-in battery: 7800 mAh high-capacity lithium battery, charging time≤3.5 hours, continuous splicing and heating about 240 times Includes: Toolbox, heavy duty stool, wire-stripper pliers, built-in power meter and VFL, other accessories	53,000.00		
13	3 sets	<b>Dual AIO desktop</b> Two units of: 22 inches display CPI: 3.20GHz max, 2-cores 4-threads 16GB RAM DDR3 512GB SSD Hard drive Keyboard, mouse, mousepad, camera	52,000.00		
14	5 sets	<b>Field Monitoring and Base AIO Set</b> <b>One unit Desktop AIO:</b> Specifications: CPU: Core-i3 RAM: 8GB HDD: 128GB Monitor: 20 inches with keyboard, mouse, webcam and mousepad <b>Two units Laptop:</b> Specifications: CPU: Celeron J4125 RAM: 8GB HDD: 256GB Monitor: 15.8 inches FHD with laptop cover, mouse and mousepad	56,000.00		
		<b>(CO) Sub-Total</b>			
15	10 units	<b>NAS grade HDD 16TB</b> Model: WD101EFBX	14,435.00		

		Recording Technology: CMR Interface: SATA 6 Gbps Capacity: 10TB Form Factor: 3.5 inches Internal transfer rate: 215 MBps Cache: 256 MB RPM: 7200			
16	2 unit	<b>Omada hardware controller</b> Centralized management up to 500 Omada access points, 100 Jetstream switches and 100 Omada routers and up to 15,000 clients Cloud access ready, L3 Management and Multi-site Management 2x 10/100/1000 Mbps Ethernet Ports 1x USB 3.0 port 100-240V ~50/60Hz. 0.6A	15,000.00		
17	2 units	<b>8 port 10GbE switch</b> Standards and Protocols: IEEE 802.3, 802.3u, 802.3ab, 802.3x, 802.1p, 802.3an, 802.3bz Interface: 8x 100Mbps/1Gbps/2.5Gbps/5Gbps/10Gbps Ports, Auto-Negotiation, Auto-MDI/MDIX Fan Quantity: 1 smart fan with adjustable speed External Power Supply: 100-240 VAC, 50/60 Hz, 0.8A LED Indicator: 1 Power, 1 Link and Activity per port Dimensions: (WxDxH) 11.6x7.1x1.7 inches Max Power Consumption: 31.2 W Switching Capacity: 160 Gbps Packet Forwarding Rate: 119.0 Mpps MAC Address Table: 32 K Packet Buffer Memory: 2 Mb Jumbo Frame: 10 KB 802.3X Flow Control 802.1p/DSCP QoS Transfer Method: Store and Forward with rackmount kit	25,650.00		
18	2 units	<b>8-Port 2.5Gbase-T switch</b> 8x 100/1000/2500 Mbps RJ45 ports 2x 10G SFP+ Slots 1x RJ45 Console Port 1x Micro-USB port 2x Fan 100-240 V AC ~50/60 Hz PoE Ports (RJ45) - Standard: 802.3at/af compliant - PoE+ Ports: 8 ports - PoE Power Budget: 240W Max Power Consumption: - 17.2W idle - 291.5W with 240W power devices connected Switching Capacity: 80Gbps Packet Forwarding Rate: 59.52 Mpps MAC Address Table: 16K Packet Buffer Memory: 12 Mbit Jumbo Frame: 9 KB Zero-Touch Provisioning with OMADA with rack-mount kit	27,250.00		

19	5 units	<b>AX1800 Wall Plate Wi-Fi 6 Access Point</b> Interface: Uplink: 1x 10/100/1000Mbps Ethernet Port Downlink: 3x 10/100/1000Mbps Ethernet Port 1 port supports 802.3at PoE+, max 12W Physical security lock and reset button Power: 802.3af/at PoE 2 Dual-band antennas 2.4GHz: 2x 3dBi 5 GHz: 2x 4dBi Wall plate mounting Wireless Features: Wireless Client Capacity: 100+ Wireless Standards: IEEE 802.11ax/ac/n/g/b/a Frequency: 2.4GHz and 5GHz Signal Rate: 2.4GHz: up to 574Mbps 5 GHz: up to 1201Mbps Supports Zero-touch provisioning via App	8,500.00		
20	4 units	<b>AX1800 Ceiling Mount Wi-Fi 6 Access Point</b> Interface: 1x Gigabit Ethernet (RJ45) port Power: 802.3af/at PoE, 48V Passive PoE and 12V / 1.5A DC Power Consumption: 14.9W for PoE, 13.4W for DC Internal Omni Antenna: 2.4GHz: 2x 4dBi 5 GHz: 2x 5dBi Ceiling/Wall plate mounting (kit included) Wireless Features: Wireless Standards: IEEE 802.11ax/ac/n/g/b/a Frequency: 2.4GHz and 5GHz Signal Rate: 2.4GHz: up to 574Mbps 5 GHz: up to 1201Mbps Supports Zero-touch provisioning via App	12,000.00		
21	2 units	<b>AX1800 Indoor/Outdoor WiFi 6 Access Point</b> Interface: 1x Gigabit Ethernet (RJ45) port Power: 802.3at PoE, 48V/0.5A Passive PoE Power Consumption: 14.7W Internal Omni Antenna: 2.4GHz: 2x 4dBi 5 GHz: 2x 5dBi Pole/Wall Mounting (kit included) IP67 Weatherproof Enclosure Wireless Features: Wireless Standards: IEEE 802.11ax/ac/n/g/b/a Frequency: 2.4GHz and 5GHz Signal Rate: 802.11ax: 8 Mbps to 1201 Mbps (MCS0-MCS11, NSS = 1 to 2 HE20/40/80) 802.11ac: 6.5 Mbps to 867 Mbps (MCS0-MCS9, NSS = 1 to 2 VHT20/40/80) 802.11n: 6.5 Mbps to 300 Mbps (MCS0-MCS15, VHT 20/40) 802.11g: 6, 9, 12, 18, 24, 36, 48, 54 Mbps 802.11b: 1, 2, 5.5, 11 Mbps 802.11a: 6, 9, 12, 18, 24, 36, 48, 54 Mbps	12,250.00		

		Captive Portal Authentication, ACLs, SSID to VLAN Mapping Supports Zero-touch provisioning with App			
22	2 units	<b>8-port switch with 4-port POE</b> Hardware Specs: Standards and Protocols: IEEE 802.3i, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3ad, IEEE 802.3af, IEEE 802.3at, IEEE 802.3x, IEEE 802.1d, IEEE 802.1s, IEEE 802.1w, IEEE 802.1q, IEEE 802.1p, IEEE 802.1x Interface: 8× 10/100/1000 Mbps RJ45 Ports (Ports 1–4 Support 802.3at/af PoE+) and Auto-Negotiation/Auto MDI/MDIX Network Media: 10BASE-T: UTP category 3,4,5 cable (maximum 100m) and 100BASE-TX/1000Base-T: UTP Category 5, 5E or above (maximum 100m) Power Supply: External Power Adapter (Output: 53.5 VDC/1.3A) Power Consumption: 7.9W (no power device connected); 79.2W (with 62W power devices connected) PoE Ports (RJ45): Standard: 802.3af/at compliant, 4 ports, up to 62W Performance: Bandwidth/Backplane: 16Gbps MAC Address Table: 8K Packet Buffer Memory: 4.1Mbit Jumbo Frame: 9KB Software Features: Support VLANs, DHCP Snooping, ACLs Zero-touch Provisioning with App	7,500.00		
23	2 units	<b>AX5400 Ceiling Mount WiFi 6 Access Point</b> Interface: 1x 2.5 Gigabit Ethernet (RJ45) port Power: 802.3at PoE and 12V / 1.5A DC Power Consumption: 19.8W Internal Omni Antenna: 2.4GHz: 2x 4dBi 5 GHz: 4x 5dBi Ceiling/Wall plate mounting (kit included) Wireless Features: Wireless Client Capacity: 250 Wireless Standards: IEEE 802.11ax/ac/n/g/b/a Frequency: 2.4GHz and 5GHz Signal Rate: 2.4GHz: up to 574Mbps 5 GHz: up to 4804Mbps Supports Zero-touch provisioning w/ App	13,500.00		
24	10 units	<b>Outdoor CPE Point-to-Point</b> Processor: 750MHz CPU, MIPS 74Kc Memory: 128 MB DDR2 RAM, 16 MB Flash Interface: 1x 10/100/1000 Mbps Shielded Ethernet Port (LAN/POE), 1 reset button Power Supply: Passive PoE via LAN (+4,5pins; -7,8 pins), 16-27V DC Antenna Gain: 23dBi Antenna Beamwidth: 9° (Azimuth)/7° (Elevation)	4,375.00		

		Protection: 15 KV ESD Protection; 6 KV Lightning Protection Enclosure: IP65 water and dust proof stabilized plastic Wireless Standards: IEEE 802.11a/n/ac Wireless Speeds: Up to 867 Mbps (80 MHz, Dynamic) Up to 400 Mbps (40 MHz, Dynamic) Up to 173.4 Mbps (20 MHz, Dynamic) Frequency: 5.15-5.85 GHz Transmit Power: Max. 27 dBm (Adjustable power by 1dBm) Network Configuration: WAN: Static/ Dynamic/ PPPoE LAN: Static/ Dynamic/ DHCP Forwarding: ALG/ UPnP/ Virtual Server/ Port Trigger Security: SPI Firewall/ Ping Forbidden/ DoS Protection Access Control Static Routing Bandwidth Control IP & MAC Binding Discovery and Remote Management w/ app			
25	4 units	<b>SFP+ LR Transceiver</b> Model: TL-SM5110-LR DDM, SFP-MSA, Hot Swappable Standards and Protocols: IEEE 802.3ae, TCP/IP Wave length: 1310 nm Power Supply: 3.3V Fiber Type: 9/125micrometer Single-Mode Max. Cable Length: 10km Data Rate: 10Gbps Port Type: LC Duplex	5,700.00		
26	3 units	<b>SFP Transceiver A</b> Model: TL-SM321A-2 DDM, SFP-MSA, Hot Swappable Standards and Protocols: IEEE 802.3z, TCP/IP Wave length: Tx: 1550n; Rx: 1310nm Power Supply: 3.3V Fiber Type: 9/125micrometer Single-Mode Max. Cable Length: 2km Data Rate: 1.25Gbps Port Type: LC Simplex	1,600.00		
27	3 units	<b>SFP Transceiver B</b> Model: TL-SM321B-2 DDM, SFP-MSA, Hot Swappable Standards and Protocols: IEEE 802.3z, TCP/IP Wave length: Tx: 1310n; Rx: 1550nm Power Supply: 3.3V Fiber Type: 9/125micrometer Single-Mode Max. Cable Length: 2km Data Rate: 1.25Gbps Port Type: LC Simplex	1,600.00		
28	2 units	<b>SFP+ Direct Attach Cable 3 meters</b> Model: TL-SM5220-3M Data Rate: 10Gbps Conductor: Silver Plated Copper	3,600.00		
29	4 units	<b>SFP+ Direct Attach Cable 1 meter</b>	2,700.00		

		Model: TL-SM5220-1M Data Rate: 10Gbps Conductor: Silver Plated Copper			
30	1 unit	<b>Fiber Cleaver FTTH Optic Fiber Cutter</b> Model: AUA-60S Fiber Diameter: 125micrometer Coating Diameter: 250micrometer - 900micrometer Cutting length for optical fiber: 10mm Cleaver dimensions: 63x76xx60 mm (W x D x H) Weight: 272g with cutting knife, knife adjustment wrench and anti-drop bag	1,700.00		
31	2 sets	<b>FTTH Fiber Optic Toolkit</b> 1 X optic power meter 1 X 5km visual locator 1 X FC-6s fiber cleaver 1 X 160ml bottle for isopropyl alcohol 1 X SC adaptor 5 X Battery 1 X Wire stripper 1 X FTTH crimper 1 X anti-drop bag for cleaver 1 X hand bag	5,000.00		
32	1 unit	<b>FTTH Fiber optic drop wire 2KM</b> <b>FTTH Self Supporting Butterfly Cable (G657)</b> 3 steel, dual core Single Mode 2 KM length Fiber Type: 9/125micrometer Wavelength: 1310, 1550nm Low Fiber Insertion Loss <= 0.3 Light attenuation <= 0.3dB Return Loss >= 50dB	12,000.00		
33	2 units	<b>Portable Power Station</b> •72000mah (230Wh )capacity lithium iron phosphate battery •2-USB QC output ports support 65W PD3.0 2 way fast charging protocol •AC220V AC outlet with maximum capacity of 300W • 2 outputs DC5.5 12V/10A •Support 12V input port, can use the solar panel to recharge the battery for the charging station •Integrated multi-function LED: illuminates and emits SOS signals. Model: EN300WLPD AC Output:300W (AC 220V-50Hz, Sine Wave) Battery power: 230Wh (TYP) Battery capacity: 72000mAh (Lithium Ion Phosphate Cell) Power Rate of Flashlight: 3W 12V Input: 12-24-1A-5A (Max 60W) 12V Output:12V-6A (DC 1+ DC 2) USB-C input: DC5V-3A/9V-3A/12V-3A/15V- 3A/20V-3.25A USB-C output: DC5V-3A/9V-2A/12V-3A/15V- 3A/20V-3.25A USB-1 output: DC5V-3A/9V-2A/12V-1.5A	12,600.00		



		USB 2 Output: DC5V-3A/9V-2A/12V-1.5A Total Output:5V-4A (USB 1 + USB 2) Dimensions: 268x110x185mm (about) Weight: 3092g (about)			
34	1 unit	<b>Pure sinewave Power Station</b> Function: Quick Charge Support, LED Display, Two-way Quick Charge, Fast Charging, Convenient, PD Charging, Rechargeable, Flashlight, Fast Charger, Flexible, Durable, With Led Light, Multi-function, High Quality, Storage, Fashion, Large Capacity, Type-c Power Bank, Protection, New, High Speed Specification: <ul style="list-style-type: none"> <li>• Model: EN1000S</li> <li>• Battery power: 1100Wh</li> <li>• Battery Capacity: 297600Ah/3.7V</li> <li>• Input 1: (12-24V)5A 100W (Max)</li> <li>• Input 2: (12-24V)5A 100W (Max)</li> <li>• Input 3: 16.8 12V 200W (Max)</li> <li>• PD Input: 60W</li> <li>• Total Input: 100W+100W+200W (Max)</li> <li>• Output AC: (220V/50-60Hz pure sine wave) 1000W Max</li> <li>• Output USB-1: 5V-2.4A</li> <li>• Output USB-2(3): ((5-12V) 18W max, QC3.0 Built-in</li> <li>• Output Type-C1: 5V-4A 9V-2.22A 12V-1.67A</li> <li>• Output Type-C2: (5.*20V)60W Max</li> <li>• Output DC: 12V-10A (Share with cigar lighter)</li> <li>• Output Cigar Lighter: 12V-12A</li> <li>• LED Power: 5W (low,High,SOS, Flash Mode)</li> <li>• Dimensions: 192x303x192mm</li> <li>• Weight: 11800g</li> </ul>	42,850.00		
35	15 units	<b>Multi-function Printer</b> <b>SPECIFICATIONS</b> <ul style="list-style-type: none"> <li>• Printer Type: Print, Scan, Copy</li> </ul> <b>Printing Technology:</b> <ul style="list-style-type: none"> <li>• Print Method: On-demand inkjet (Piezoelectric)</li> <li>• Printer Language: ESC/P-R, ESC/P Raster</li> <li>• Nozzle Configuration: 180 x 1 nozzles Black, 59 x 1 nozzles per Colour (Cyan, Magenta, Yellow)</li> <li>• Maximum Resolution: 4800x600 dpi</li> </ul> <b>Print Speed:</b> <ul style="list-style-type: none"> <li>• Photo Default - 10 x 15 cm / 4 x 6 " *1: Approx. 69 sec per photo (Border) / 90 sec per photo (Borderless)*2</li> <li>• Draft, A4 (Black / Colour): Up to 33.0 ppm / 15.0 ppm*2</li> <li>• ISO 24734, A4 Simplex (Black / Colour): Up to 10.0 ipm / 5.0 ipm*2</li> <li>• First Page Out Time from Ready Mode (Black / Colour): Approx. 10 sec / 16 sec*2</li> </ul>	4,230.00		
36	1 unit	<b>ICT spherical RGB sensor device Photo</b> Resolution: 360deg: 72MP (11968x5984), 18MP (5952x2976) Internal/External Stitching: Internal Stitching Number of Lenses: 2 Focal Length: 6.9mm	25,000.00		

		<p>Maximum Aperture: f/2  ISO Sensitivity: Video, 100 to 3200 in Auto Mode  Sensor Type: 1/2.3" CMOS Sensor  Display Type: Fixed Touchscreen LCD• Size: 2.29"  Waterproof Depth Rating: IPX8 1,500cm in 90minutes  Built-In Mic: Yes• Video Coding: H.264, H.265  Video Bitrate: 100Mbps• Gyroscope: 6-axis gyroscope  Audio: Stereo audio with optional wind-noise reduction, 360 audio (ambisonic)  Bluetooth: BLE 4.2  Wi-Fi: 802.11a/b/g/n/ac  Battery: Lithium-Ion Polymer, 1800 mAh  Charging Method: USB Type-C• Charging Time: 85 minutes  Run Time: 8K@30fps – 80 minutes"</p>			
37	2 units	<p><b>Technology assistant nest hub</b>  Chromecast built-in, Quick Gestures  Mic &amp; camera switch  Virtual stereo design w/ 2 tweeters and one woofer  Far-field microphones  Ultrasound sensing  Voice Match technology  Ambient EQ light sensor  2.4 GHz 802.15.4 Thread support  Display 7"</p>	7,820.00		
38	2 units	<p><b>ICT working surface tech</b></p> <ul style="list-style-type: none"> <li>• Red Green Blue light emitting diodes aura</li> <li>• Adjustable hydrau-height</li> <li>• Dimension 1.5mx770cmx750-880cm</li> <li>• Material carbon fiber alum</li> <li>• PC-AV connection easy convinient controls</li> <li>• Ergonomic ICT surface multifunction designs</li> </ul>	23,500.00		
39	15 units	<p><b>Data gathering equipment tool</b>  Model: +313g0 RAM: 2GB, 1333 MHz Storage: 16GB, Display: 6.6", IPS, 1080 x 2280 pixels, 24 bit Camera: 4032 x 3024 pixels, 1920 x 1080 pixels, 30 fps Battery: 3500 mAh, Li-Polymer</p>	2,250.00		
40	15 units	<p><b>Inkjet Printer</b>  <b>SPECIFICATIONS</b></p> <ul style="list-style-type: none"> <li>• Technology <ul style="list-style-type: none"> <li>• Printing Method: Micro Piezo™ print head</li> <li>• Nozzle Configuration: 180 Nozzles Black, 59 Nozzles per Color</li> <li>• Minimum Droplet Size: 3 pl</li> <li>• Ink Technology: Dye Ink</li> <li>• Printing Resolution: 720 x 720 DPI</li> <li>• Category: Home, Office Desktop</li> </ul> </li> <li>• Print <ul style="list-style-type: none"> <li>• Printing Speed ISO/IEC 24734: 9 pages/min Monochrome, 4.8 pages/min Colour</li> <li>• Colours: Black, Cyan, Yellow, Magenta</li> </ul> </li> <li>• Paper/Media Handling <ul style="list-style-type: none"> <li>• Number of paper trays: 1</li> </ul> </li> </ul>	7,344.00		

		<ul style="list-style-type: none"> <li>• Paper Formats A4 (21.0x29.7 cm), Letter, User defined, Legal</li> <li>• Duplex: Manual</li> <li>• Print Margin: 3 mm top, 3 mm right, 3 mm bottom, 3 mm left (Wherever margin is defined. Otherwise 3mm top, left, right, bottom.)</li> <li>• Output Tray Capacity: 30 Sheets</li> <li>• multifunction: 50 Sheets Standard</li> <li>• Media Handling: Manual duplex</li> <li>• General <ul style="list-style-type: none"> <li>• Energy Use: 0.6 Watt (sleep mode), 10 Watt (Printing), 2 Watt (Ready), 0.3 Watt (Power off)</li> <li>• Supply Voltage: AC 220 V - 240 V</li> <li>• Noise Level: 6.6 B (A) with Epson Premium Glossy Photo Paper / Photo RPM mode - 53 dB (A) with Epson Premium Glossy Photo Paper / Photo RPM mode</li> <li>• Compatible Operating Systems: Mac OS 10.5.8 or later, Windows 10, Windows 7, Windows 8, Windows 8.1, Windows Vista, Windows XP</li> <li>• Interfaces: USB</li> <li>• Power supply: 220V, 240V</li> <li>• Colour: Black</li> </ul> </li> </ul> <p><b>FEATURES</b></p> <ul style="list-style-type: none"> <li>• quality: Purpose-built, refillable ink tank</li> <li>• Peace of mind: warranty</li> <li>• Compact design: Small footprint ideal for home use</li> <li>• Value for money: Ultra-low-cost per page</li> <li>• User-friendly: Hassle-free with simple set-up</li> </ul> <p><b>DIMENSIONS</b></p> <ul style="list-style-type: none"> <li>• Product dimensions: 461 x 215 x 130 mm (Width x Depth x Height)</li> <li>• Product weight: 2.4 kg</li> </ul>			
41	1 unit	<p><b>FTTH Fiber optic drop wire 2KM</b>  FTTH Self Supporting Butterfly Cable (G657)  Single Mode, Dual Core  2 KM length  Fiber Type: 9/125micrometer  Wavelength: 1310, 1550nm  Low Fiber Insertion Loss &lt;= 0.3  Light attenuation &lt;= 0.3dB  Return Loss &gt;= 50dB</p>	9,450.00		
42	1 unit	<p><b>FTTX OTDR Five-in-one Tester</b>  FTTX Optical Time Domain Reflectometer Fiber  Breakpoint Detection  Single Mode  Event Map  OPM  VFL  OLS  dust-proof and water-proof  2,6 inch screen, save data in SOR format</p>	17,300.00		
43	4 sets	<p><b>FTTH LC/UPC Connector</b>  10 pcs/set FTTH LC fast connector  Insertion loss: 0.2dB for UPC  Cable applicable: 31. x 2.0 mm drop cable</p>	1,300.00		

		Material: plastic Single-mode or Multi-mode Fiber counts: simplex or duplex Wavelength: 1310/550nm			
		<b>(SE) Sub-Total</b>			
44	63 units	<b>Windows Antivirus</b> Windows antivirus plus Up to 3 device 2 years subscription Includes: 1x DVD installer 1x Product Key	2,750.00		
45	12 units	<b>Workspace google business standard</b> workspace from one hundred zero, business and government standard software for better life of office staff	12,000.00		
46	44 units	<b>Office Productivity Suite Family multiple device</b> annual	6,000.00		
47	2 units	<b>Virtual private server software</b> Specifications design: with physical stuff, Operating System: linux and iOS based ,ceramic Shield front Textured matte glass back and stainless steel design / 256GB storage <sup>1</sup> 8GB unified memory / 24-inch 4.5K eye display processor: bionic a16 chip, 16 core neural engine Memory: LPDDR5 16GB / Storage: UFS3.1 512 gb retina xdr display, six point seven -inch all-screen oledc, 2796-by-1290-pixel resolution at 460 ppi Rear sensor: 48 mp Main: 24 mm, f/1.78 aperture, second-generation Front sensor: 12 mp. mm film camera Navigation: GNSS support GPS (L1/L5), Glonass (L1), Galileo (E1/E5a), BeiDou(B1i/B1c/B2a), QZSS (L1/L5) and NavIC	98,000.00		
48	2 units	<b>Agisoft Metashape Standard Edition</b>	20,000.00		
		<b>(CS) Sub-Total</b>	<b>817,250.00</b>		

Bidders should have completed, within **Two (2) years** from the date of submission and receipt of bids, a contract similar to the Project. The description of an eligible bidder is contained in the Bidding Documents, particularly, in Section II (Instructions to Bidders).

- Bidding will be conducted through open competitive bidding procedures using a non-discretionary “*pass/fail*” criterion as specified in the 2016 revised Implementing Rules and Regulations (IRR) of Republic Act (RA) No. 9184.

Bidding is restricted to Filipino citizens/sole proprietorships, partnerships, or organizations with at least sixty percent (60%) interest or outstanding capital stock belonging to citizens of the Philippines, and to citizens or organizations of a country the laws or regulations of which grant similar rights or privileges to Filipino citizens, pursuant to RA No. 5183.

- Prospective Bidders may obtain further information from **DA RFO 5, BAC Secretariat Office, San Agustin, Pili, Camarines Sur** and inspect the Bidding Documents at the

address given below during ***Mondays – Fridays, 8:00 AM to 5:00 PM except for Holidays, Saturdays and Sundays.***

5. A complete set of Bidding Documents may be acquired by interested Bidders on ***September 7 – September 27, 2023 (09:00AM)*** from the given address and website(s) below and upon payment of the applicable fee for the Bidding Documents, pursuant to the latest Guidelines issued by the GPPB, in the amount of **Six Thousand Pesos (₱6,000.00)**.  
The Procuring Entity shall allow the bidder to present its proof of payment for the fees.
6. The ***DA RFO 5*** will hold a Pre-Bid Conference on ***September 15, 2023; 10:00AM*** at 3<sup>rd</sup> Flr. Training Hall, Operations Bldg., DA RFO-5, San Agustin, Pili, Camarines Sur, which shall be open to prospective bidders.
7. Bids must be duly received by the BAC Secretariat through manual submission at the office address indicated below, on or before ***September 27, 2023; 9:00AM***. Late bids shall not be accepted.
8. All Bids must be accompanied by a bid security in any of the acceptable forms and in the amount stated in **ITB** Clause 14.
9. Bid opening shall be on ***September 27, 2023; 10:00AM*** onwards at the given address below 3<sup>rd</sup> Flr. Training Hall, Operations Bldg., DA RFO-5, San Agustin, Pili, Camarines Sur. Bids will be opened in the presence of the bidders' representatives who choose to attend the activity.
10. In case of a tie Bid, the BAC will conduct the Guidelines on the Use of Non-Discretionary/Non-Discriminatory Selection criteria as Tie-Breaking Method thru DRAW LOTS in case of two or more Bidders have been post-qualified determined as the bidder having the lowest calculated and Responsive Bidder (LCRB) (GPPB Circular No. 06-2005).
11. The ***DA RFO 5*** reserves the right to reject any and all bids, declare a failure of bidding, or not award the contract at any time prior to contract award in accordance with Sections 35.6 and 41 of the 2016 revised IRR of RA No. 9184, without thereby incurring any liability to the affected bidder or bidders.
12. For further information, please refer to:

BAC Secretariat Office

**Department of Agriculture, Regional Field Office No. 5**

San Agustin, Pili, Camarines Sur 4418

Email Address: [bacrfo5@gmail.com](mailto:bacrfo5@gmail.com)

For downloading of Bidding Documents: [www.dabicol.gov.ph](http://www.dabicol.gov.ph)

***September 05, 2023***, San Agustin, Pili, Camarines Sur

***(Sgd.)***

**LORENZO L. ALVINA**

Chief, Integrated Laboratory Division  
BAC Chairperson

## ***Section II. Instructions to Bidders***

## 1. Scope of Bid

The Procuring Entity, *Department of Agriculture Regional Field Office No. 5* wishes to receive Bids for the *Supply and Delivery of Various ICT for use of DA RFO 5* with identification number *28-GOODS-ICT-2023*.

The Procurement Project (referred to herein as “Project”) is composed of *One (1) lot only*, the details of which are described in Section VII (Technical Specifications).

## 2. Funding Information

2.1. The GOP through the source of funding as indicated below **General Appropriations Act (GAA) for CY 2023- LIVES** in the amount of *Five Million One Hundred Eleven Thousand Two Hundred Fifty Pesos (Php5,111,250.00)*.

a. The source of funding is NGA, the General Appropriations Act or Special Appropriations.

## 3. Bidding Requirements

The Bidding for the Project shall be governed by all the provisions of RA No. 9184 and its 2016 revised IRR, including its Generic Procurement Manuals and associated policies, rules and regulations as the primary source thereof, while the herein clauses shall serve as the secondary source thereof.

Any amendments made to the IRR and other GPPB issuances shall be applicable only to the ongoing posting, advertisement, or **IB** by the BAC through the issuance of a supplemental or bid bulletin.

The Bidder, by the act of submitting its Bid, shall be deemed to have verified and accepted the general requirements of this Project, including other factors that may affect the cost, duration and execution or implementation of the contract, project, or work and examine all instructions, forms, terms, and project requirements in the Bidding Documents.

## 4. Corrupt, Fraudulent, Collusive, and Coercive Practices

The Procuring Entity, as well as the Bidders and Suppliers, shall observe the highest standard of ethics during the procurement and execution of the contract. They or through an agent shall not engage in corrupt, fraudulent, collusive, coercive, and obstructive practices defined under Annex “I” of the 2016 revised IRR of RA No. 9184 or other integrity violations in competing for the Project.

## 5. Eligible Bidders

5.1. Only Bids of Bidders found to be legally, technically, and financially capable will be evaluated.

5.2. Foreign ownership limited to those allowed under the rules may participate in this Project. (B)

- 5.3. Pursuant to Section 23.4.1.3 of the 2016 revised IRR of RA No.9184, the Bidder shall have an SLCC that is at least one (1) contract similar to the Project the value of which, adjusted to current prices using the PSA's CPI, must be at least **Fifty percent (50%) of the ABC in the amount of ₱2,555,625.00**
- 5.4. The Bidders shall comply with the eligibility criteria under Section 23.4.1 of the 2016 IRR of RA No. 9184.

## **6. Origin of Goods**

There is no restriction on the origin of goods other than those prohibited by a decision of the UN Security Council taken under Chapter VII of the Charter of the UN, subject to Domestic Preference requirements under **ITB** Clause 18.

## **7. Subcontracts**

The Procuring Entity has prescribed that Subcontracting is not allowed.

## **8. Pre-Bid Conference**

The Procuring Entity will hold a pre-bid conference for this Project on the specified date and time and either at its physical address at **DA RFO 5, San Agustin, Pili, Camarines Sur** and/or through videoconferencing/webcasting} as indicated in paragraph 6 of the **IB**.

## **9. Clarification and Amendment of Bidding Documents**

Prospective bidders may request for clarification on and/or interpretation of any part of the Bidding Documents. Such requests must be in writing and received by the Procuring Entity, either at its given address or through electronic mail indicated in the **IB**, at least ten (10) calendar days before the deadline set for the submission and receipt of Bids.

## **10. Documents comprising the Bid: Eligibility and Technical Components**

- 10.1. The first envelope shall contain the eligibility and technical documents of the Bid as specified in **Section VIII (Checklist of Technical and Financial Documents)**.
- 10.2. The Bidder's SLCC as indicated in **ITB** Clause 5.3 should have been completed within **TWO (2) YEARS** prior to the deadline for the submission and receipt of bids.
- 10.3. If the eligibility requirements or statements, the bids, and all other documents for submission to the BAC are in foreign language other than English, it must be accompanied by a translation in English, which shall be authenticated by the appropriate Philippine foreign service establishment, post, or the equivalent office having jurisdiction over the foreign bidder's affairs in the Philippines. Similar to the required authentication above, for Contracting Parties to the



Apostille Convention, only the translated documents shall be authenticated through an apostille pursuant to GPPB Resolution No. 13-2019 dated 23 May 2019. The English translation shall govern, for purposes of interpretation of the bid.

## **11. Documents comprising the Bid: Financial Component**

- 11.1. The second bid envelope shall contain the financial documents for the Bid as specified in **Section VIII (Checklist of Technical and Financial Documents)**.
- 11.2. If the Bidder claims preference as a Domestic Bidder or Domestic Entity, a certification issued by DTI shall be provided by the Bidder in accordance with Section 43.1.3 of the 2016 revised IRR of RA No. 9184.
- 11.3. Any bid exceeding the ABC indicated in paragraph 1 of the **IB** shall not be accepted.
- 11.4. For Foreign-funded Procurement, a ceiling may be applied to bid prices provided the conditions are met under Section 31.2 of the 2016 revised IRR of RA No. 9184.

## **12. Bid Prices**

- 12.1. Prices indicated on the Price Schedule shall be entered separately in the following manner:
  - a. For Goods offered from within the Procuring Entity's country:
    - i. The price of the Goods quoted EXW (ex-works, ex-factory, ex-warehouse, ex-showroom, or off-the-shelf, as applicable);
    - ii. The cost of all customs duties and sales and other taxes already paid or payable;
    - iii. The cost of transportation, insurance, and other costs incidental to delivery of the Goods to their final destination; and
    - iv. The price of other (incidental) services, if any, listed in e.
  - b. For Goods offered from abroad:
    - i. Unless otherwise stated in the **BDS**, the price of the Goods shall be quoted delivered duty paid (DDP) with the place of destination in the Philippines as specified in the **BDS**. In quoting the price, the Bidder shall be free to use transportation through carriers registered in any eligible country. Similarly, the Bidder may obtain insurance services from any eligible source country.
    - ii. The price of other (incidental) services, if any, as listed in **Section VII (Technical Specifications)**.

### 13. Bid and Payment Currencies

- 13.1. For Goods that the Bidder will supply from outside the Philippines, the bid prices may be quoted in the local currency or tradeable currency accepted by the BSP at the discretion of the Bidder. However, for purposes of bid evaluation, Bids denominated in foreign currencies, shall be converted to Philippine currency based on the exchange rate as published in the BSP reference rate bulletin on the day of the bid opening.
- 13.2. Payment of the contract price shall be made in:
  - a. Philippine Pesos.

### 14. Bid Security

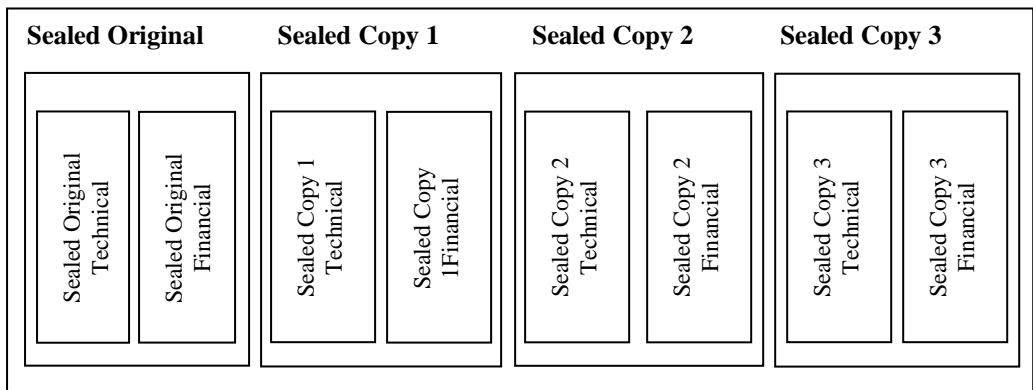
- 14.1. The Bidder shall submit a Bid Securing Declaration or any form of Bid Security in the amount indicated in the **BDS**, which shall be not less than the percentage of the ABC in accordance with the schedule in the **BDS**.
- 14.2. The Bid and bid security shall be valid until **January 25, 2023 (120 days)**. Any Bid not accompanied by an acceptable bid security shall be rejected by the Procuring Entity as non-responsive.

### 15. Sealing and Marking of Bids

**Each Bidder shall submit one (1) Original copy of the first and second component of its Bid. The Procuring entity is requesting an additional three (3) hard copies of the bid.** However, failure of the Bidders to comply with the said request shall not be a ground for disqualification.

If the Procuring Entity allows the submission of bids through online submission or any other electronic means, the Bidder shall submit an electronic copy of its Bid, which must be digitally signed. An electronic copy that cannot be opened or is corrupted shall be considered non-responsive and, thus, automatically disqualified.

#### Sealed Original, Copy 1, Copy 2& 3 in one (1) Single Envelope



All copies shall be marked Certified True Copy & signed by the bidder or its duly authorized representative.

**Additional instructions:** All copies must be marked with index/ear tabs or side-end tabs to identify the page components and shall be properly addressed to the **BAC Chairperson**.

## **16. Deadline for Submission of Bids**

16.1. The Bidders shall submit on the specified date and time and either at its physical address or through online submission as indicated in paragraph 7 of the **IB**.

## **17. Opening and Preliminary Examination of Bids**

17.1. The BAC shall open the Bids in public at the time, on the date, and at the place specified in paragraph 9 of the **IB**. The Bidders' representatives who are present shall sign a register evidencing their attendance. In case videoconferencing, webcasting or other similar technologies will be used, attendance of participants shall likewise be recorded by the BAC Secretariat.

In case the Bids cannot be opened as scheduled due to justifiable reasons, the rescheduling requirements under Section 29 of the 2016 revised IRR of RA No. 9184 shall prevail.

17.2. The preliminary examination of bids shall be governed by Section 30 of the 2016 revised IRR of RA No. 9184.

## **18. Domestic Preference**

18.1. The Procuring Entity will grant a margin of preference for the purpose of comparison of Bids in accordance with Section 43.1.2 of the 2016 revised IRR of RA No. 9184.

## **19. Detailed Evaluation and Comparison of Bids**

19.1. The Procuring BAC shall immediately conduct a detailed evaluation of all Bids rated "*passed*," using non-discretionary pass/fail criteria. The BAC shall consider the conditions in the evaluation of Bids under Section 32.2 of the 2016 revised IRR of RA No. 9184.

19.2. If the Project allows partial bids, bidders may submit a proposal on any of the lots or items, and evaluation will be undertaken on a per lot or item basis, as the case maybe. In this case, the Bid Security as required by **ITB** Clause 15 shall be submitted for each lot or item separately.

19.3. The descriptions of the lots or items shall be indicated in **Section VII (Technical Specifications)**, although the ABCs of these lots or items are indicated in the **BDS** for purposes of the NFCC computation pursuant to Section 23.4.2.6 of the

2016 revised IRR of RA No. 9184. The NFCC must be sufficient for the total of the ABCs for all the lots or items participated in by the prospective Bidder.

- 19.4. The Project shall be awarded as **One Project having several items that shall be awarded as one contract.**
- 19.5. Except for bidders submitting a committed Line of Credit from a Universal or Commercial Bank in lieu of its NFCC computation, all Bids must include the NFCC computation pursuant to Section 23.4.1.4 of the 2016 revised IRR of RA No. 9184, which must be sufficient for the total of the ABCs for all the lots or items participated in by the prospective Bidder. For bidders submitting the committed Line of Credit, it must be at least equal to ten percent (10%) of the ABCs for all the lots or items participated in by the prospective Bidder.

## **20. Post-Qualification**

- 20.2. Within a non-extendible period of five (5) calendar days from receipt by the Bidder of the notice from the BAC that it submitted the Lowest Calculated Bid, the Bidder shall submit its latest income and business tax returns filed and paid through the BIR Electronic Filing and Payment System (eFPS) and other appropriate licenses and permits required by law and stated in the **BDS**.

## **21. Signing of the Contract**

- 21.1. The documents required in Section 37.2 of the 2016 revised IRR of RA No. 9184 shall form part of the Contract. Additional Contract documents are indicated in the **BDS**.

## ***Section III. Bid Data Sheet***

# Bid Data Sheet

ITB Clause					
5.3	<p>For this purpose, contracts similar to the Project shall be:</p> <ul style="list-style-type: none"> <li>a. <b>Information and Communication Technology (ICT) related to the items being procured</b></li> <li>b. Completed within <i>Two (2) years</i> prior to the deadline for the submission and receipt of bids.</li> </ul>				
7.1	No further instruction				
12	The price of the Goods shall be quoted DDP DA RFO 5, SAN AGUSTIN, PILI, CAMARINES SUR or the applicable International Commercial Terms (INCOTERMS) for this Project.				
14.1	<p>The bid security shall be in the form of a Bid Securing Declaration, or any of the following forms and amounts:</p> <ul style="list-style-type: none"> <li>a. The amount of not less than <b>₱255,562.50</b>, if bid security is in cash, cashier's/manager's check, bank draft/guarantee or irrevocable letter of credit; or</li> <li>b. The amount of not less than <b>₱102,225.00</b>, if bid security is in Surety Bond.</li> </ul>				
19.3	<p>Partial bid is not allowed.</p> <table border="1" style="width: 100%; margin-left: auto; margin-right: auto;"> <thead> <tr> <th style="text-align: center;">Description</th> <th style="text-align: center;">ABC (Php) (inclusive of VAT)</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1 lot – Various ICT</td> <td style="text-align: center;">5,111,250.00</td> </tr> </tbody> </table>	Description	ABC (Php) (inclusive of VAT)	1 lot – Various ICT	5,111,250.00
Description	ABC (Php) (inclusive of VAT)				
1 lot – Various ICT	5,111,250.00				
20.2	<p>The bidder shall submit:</p> <ul style="list-style-type: none"> <li>a. Certificate of Availability of Stocks</li> <li>b. Certificate of Authority to Supply and Bid from the Source</li> <li>c. Picture or Brochure of the product being offered</li> <li>d. Availability of Authorized Service Center within Bicol Region</li> <li>e. Certificate of Dealership from the Principal Vendor of the brand being offered</li> <li>f. Certificate of Warranty that Supplier should replace defective equipment/items at least one (1) month after delivery</li> <li>g. BIR Registration</li> <li>h. Latest Income Tax Return</li> <li>i. Latest VAT Payment</li> <li>j. Performance Evaluation Report of Single Largest Completed Contract (SLCC) duly signed by the end-user with the approval of the Director or RTD for government contract and with the approval of the highest ranking official for private contract</li> </ul>				

	<ul style="list-style-type: none"> <li>k. Attachment of SLCC [Notice of Award, Contract or PO, Notice to Proceed and Inspection and Acceptance (COA Form)(if government), For Private: Contract/PO and Delivery Receipt with Proof of Acceptance]</li> <li>l. Other requirements peculiar to the procurement project under consideration</li> </ul>
21.2	<i>No further instruction</i>

## ***Section IV. General Conditions of Contract***



## 1. Scope of Contract

This Contract shall include all such items, although not specifically mentioned, that can be reasonably inferred as being required for its completion as if such items were expressly mentioned herein. All the provisions of RA No. 9184 and its 2016 revised IRR, including the Generic Procurement Manual, and associated issuances, constitute the primary source for the terms and conditions of the Contract, and thus, applicable in contract implementation. Herein clauses shall serve as the secondary source for the terms and conditions of the Contract.

This is without prejudice to Sections 74.1 and 74.2 of the 2016 revised IRR of RA No. 9184 allowing the GPPB to amend the IRR, which shall be applied to all procurement activities, the advertisement, posting, or invitation of which were issued after the effectivity of the said amendment.

Additional requirements for the completion of this Contract shall be provided in the **Special Conditions of Contract (SCC)**.

## 2. Advance Payment and Terms of Payment

2.1. Advance payment of the contract amount is provided under Annex “D” of the revised 2016 IRR of RA No. 9184.

2.2. The Procuring Entity is allowed to determine the terms of payment on the partial or staggered delivery of the Goods procured, provided such partial payment shall correspond to the value of the goods delivered and accepted in accordance with prevailing accounting and auditing rules and regulations. The terms of payment are indicated in the **SCC**.

## 3. Performance Security

Within ten (10) calendar days from receipt of the Notice of Award by the Bidder from the Procuring Entity but in no case later than prior to the signing of the Contract by both parties, the successful Bidder shall furnish the performance security in any of the forms prescribed in Section 39 of the 2016 revised IRR of RA No. 9184.

## 4. Inspection and Tests

The Procuring Entity or its representative shall have the right to inspect and/or to test the Goods to confirm their conformity to the Project specifications at no extra cost to the Procuring Entity in accordance with the Generic Procurement Manual. In addition to tests in the **SCC, Section IV (Technical Specifications)** shall specify what inspections and/or tests the Procuring Entity requires, and where they are to be conducted. The Procuring Entity shall notify the Supplier in writing, in a timely manner, of the identity of any representatives retained for these purposes.

All reasonable facilities and assistance for the inspection and testing of Goods, including access to drawings and production data, shall be provided by the Supplier to the authorized inspectors at no charge to the Procuring Entity.

## **5. Warranty**

- 6.1. 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 No. 9184.
- 6.2. The Procuring Entity shall promptly notify the Supplier in writing of any claims arising under this warranty. Upon receipt of such notice, the Supplier shall, repair or replace the defective Goods or parts thereof without cost to the Procuring Entity, pursuant to the Generic Procurement Manual.

## **6. Liability of the Supplier**

The Supplier's liability under this Contract shall be as provided by the laws of the Republic of the Philippines.

If the Supplier is a joint venture, all partners to the joint venture shall be jointly and severally liable to the Procuring Entity.

## ***Section V. Special Conditions of Contract***

## Special Conditions of Contract

GCC Clause	
1	<p><b>Delivery and Documents –</b></p> <p>For purposes of the Contract, “EXW,” “FOB,” “FCA,” “CIF,” “CIP,” “DDP” and other trade terms used to describe the obligations of the parties shall have the meanings assigned to them by the current edition of INCOTERMS published by the International Chamber of Commerce, Paris. The Delivery terms of this Contract shall be as follows:</p> <p>[<i>For Goods supplied from within the Philippines, state:</i>] “The delivery terms applicable to this Contract are delivered to <b>Department of Agriculture RFO 5, San Agustin, Pili, Camarines Sur</b>. Risk and title will pass from the Supplier to the Procuring Entity upon receipt and final acceptance of the Goods at their final destination.”</p> <p>Delivery of the Goods shall be made by the Supplier in accordance with the terms specified in Section VI (Schedule of Requirements).</p> <p>For purposes of this Clause the Procuring Entity’s Representative at the Project Site is <b>Ms. Cris Borja, Property Officer</b></p> <p><b>Transportation –</b></p> <p>Where the Supplier is required under Contract to deliver the Goods CIF, CIP, or DDP, transport of the Goods to the port of destination or such other named place of destination in the Philippines, as shall be specified in this Contract, shall be arranged and paid for by the Supplier, and the cost thereof shall be included in the Contract Price.</p> <p>Where the Supplier is required under this Contract to transport the Goods to a specified place of destination within the Philippines, defined as the Project Site, transport to such place of destination in the Philippines, including insurance and storage, as shall be specified in this Contract, shall be arranged by the Supplier, and related costs shall be included in the contract price.</p>
	<p>Where the Supplier is required under Contract to deliver the Goods CIF, CIP or DDP, Goods are to be transported on carriers of Philippine registry. In the event that no carrier of Philippine registry is available, Goods may be shipped by a carrier which is not of Philippine registry provided that the Supplier obtains and presents to the Procuring Entity certification to this effect from the nearest Philippine consulate to the port of dispatch. In the event that carriers of Philippine registry are available but their schedule delays the Supplier in its performance of this Contract the period from when the Goods were first ready for shipment and the actual date of shipment the period of delay will be considered force majeure.</p>

	<p>The Procuring Entity accepts no liability for the damage of Goods during transit other than those prescribed by INCOTERMS for DDP deliveries. In the case of Goods supplied from within the Philippines or supplied by domestic Suppliers risk and title will not be deemed to have passed to the Procuring Entity until their receipt and final acceptance at the final destination.</p>
	<p><b>Intellectual Property Rights –</b></p>
	<p>The Supplier shall indemnify the Procuring Entity against all third-party claims of infringement of patent, trademark, or industrial design rights arising from use of the Goods or any part thereof.</p>
2.2	<p>The terms of payment shall be as follows: Payment to effect upon completion of delivery and acceptance per lot.”</p>
4	<p>The inspections and tests that will be conducted is: <i>Inspections on every delivered items.</i></p>

## *Section VI. 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.

<i>Item No.</i>	<i>Description</i>	<i>Quantity</i>	<i>Total</i>	<i>Delivered, Weeks/ Months</i>
	<b>1 LOT - VARIOUS ICT</b>			<b>45 calendar days upon receipt of NTP</b>
<b>1</b>	<b>Cloud Core Enterprise Router</b> CPU: 36 cores TLR4-03680 1.2 GHz RAM: 8GB Storage: NAND 1GB OS: Router OS License Level: 6 10/100/1000 Ethernet ports: 8 1G/10G SFP+ ports: 2 M.2 slot: 1 PCIE x4 Memory card slot: 1 micro SD USB ports: 1 USB type A Serial port: 1 RJ45 Supported Input Voltage: 100V - 240V Number of AC inputs: 2 Max Power Consumption 73W with CPU and PCB temperature monitor with rack installation kit	1 unit	129,500.00	
<b>2</b>	<b>Enterprise mapping UAV</b> Aircraft specs: Max wind resistance: 12m/s Max flight time: 45mins / Max hover time: 38mins Max flight distance: 32km GNSS: GPS, Galileo, BeiDou, GLONASS 4/3 inch CMOS 20MP Wide Camera 1/2 inch CMOS 12 MP Tele Camera Omnidirectional binocular vision system, with bottom infrared Occusync 3 Enterprise Video Transmission RC specs: 15km max unobstructed signal range 4 antennas, 2T4R 5.5inches HD 1,000nits 60fps screen / 10-point multitouch 64 GB ROM / approx. 3 hours operating time 3x battery with charging hub Accessories specs: Self-balancing algorithm / Rated 800W dual motor rollers Torque: 70nm / automated headlight Sensor lighting for signal / iridiscent taillight 310 Wh battery / 54.3 VDC Max / 59.6 charging voltage Max speed: 18km/hr / 30 km range	1 set	450,000.00	
<b>3</b>	<b>Presidential portable teleprompter</b>	2 units	180,000.00	

	<p>Features: strong adjustable stand, max height: 2meters  19 inch display, 300 nits screen brightness  Self-reversing HD monitor, supports USB, VGA, HDMI, AV video direct input  Support PPT, WORD, PDF, JPG, RTF, TXT, etc.  Super thin 2mm 60/40 or 7170/30 rate beam splitter  Control mode supports wireless remote controller, wireless mouse and keyboard or foot pad</p>			
4	<p><b>RGB Sensor payload set</b>  Sensor Specs:  R10 Body mirrorless camera  Full frame 24.2 MP APS-C CMOS sensor  3" LCD monitor  4K UHD 6K oversampling and 4K 60p black video  AF modes: One-shot AF, Servo AF / Built-in Flash  Supported battery: LP-E17 / Supported charger: LC-E17</p> <p>Lens Specs:  RF85mm f/2 Macro IS STM  78 x 90.5 mm Diameter and Length  Gear stepping motor / Image Stabilization w/ lens cap, lens hood and bag</p>	1 set	210,000.00	
5	<p><b>Network backup power supply</b>  5.5 KW capacity  12x 450w panel  5.5kw SNADI Hybrid Inverter (Built-in 100A MPPT SCC)  12KWHr Deep Cycle Gel Battery  Railings and Brackets  Wiring, Connectors, Breakers and Pipes  With Site Installation on RCMC Bldg</p>	1 set	450,000.00	
6	<p><b>Network expansion cards</b>  DS1821+ 10Gbps SFP+ 2 port PCIE network expansion card  Rack server compatible 10Gbps SFP+ 2 port PCIE network expansion card  X520-DA2 chipset 10Gbps SFP+ 2 port PCIE network expansion card</p>	1 set	90,400.00	
7	<p><b>Hypervisor / Storage Server</b>  CPU: 2x Xeon Bronze 3204, 6-core 6-Threads 1.9GHz  RAM: 256GB DDR4 ECC  HDD: 8x 4TB 3.5" NAS Grade HDD (up to 18 3.5" HDD)  SSD: 2x 512GB NVME SSD  RAID Controller: Perc H330 (supports IT mode for ZFS)  PSU: 750W Platinum 80+  Network Cards: i350-T4 1GbE 4-port RJ45 NIC  2x 10GbE SFP LOM  iDRAC 9  up to 8 PCIE Gen 3 Slots</p>	1 unit	680,000.00	

8	<p><b>Kobo Data collection equipment</b>  OS: Android 12  CPU: Dimensity 9000+  Graphics: Mali-G710  Memory: LPDDR5X 16GB  Storage: UFS 3.1 512GB  Display: 6.78" 20.4:9 (2448 x 1080)  165Hz / 1ms AMOLED Corning Gorilla Glass Victus Delta-E &lt; 1  Main Camera: IMX766 50 MP image sensor - 1/1.56" large sensor size, 1 µm pixel size. F1.9 aperture, 23.8mm equivalent focal length in 35mm film camera  Second Rear Camera: 13 MP, Ultrawide-angle camera, 12.5mm equivalent focal length in 35mm film camera  Third Rear Camera: 5 MP, Macro  Front Camera: 12 MP, 27.5mm equivalent focal length in 35mm film camera  Integrated WiFi 6E*  (802.11a/b/g/n/ac/ax, 2x2 MIMO)  Supports 2.4GHz/ 5GHz/ 6GHz WiFi  Bluetooth® 5.3 (HFP + A2DP + AVRCP + HID + PAN + OPP)  Wi-Fi Direct and NFC  Dual slots: 5G*+5G or 4G dual-SIM / dual-standby support  Sensor: In-display fingerprint sensor, face recognition, accelerometer, e-compass, gyroscope, proximity sensor, ambient-light sensor, ultrasonic sensors for Air Trigger 6 and grip press  Battery: 6000 mAh, supports PD charging  Box contains: Aeroactive Cooler 6, USB power adapter (65-Watt), USB-C to USB-C cable, Aero Case and AR Card</p>	6 units	356,100.00	
9	<p><b>Smart ICT Satellite Broadband Device and Annual Subscription</b>  Antenna Specifications:  Type: Electronic Phased Array  Orientation: Motorized Self Orienting  Environmental Rating: IP54  Operating Temperature -30°C to 50°C (-22°F to 122°F)  Field of View 100°  Average Power Usage 50-75W</p> <p>Indoor Wi-Fi Specifications:  Wi-Fi Technology: IEEE 802.11a/b/g/n/ac standards  Chipset: Wi-Fi 5  Radio Dual Band - 3 x 3 MIMO  Security: WPA2  Environmental Rating: IP54, configured for indoor use  Range Up to 185m<sup>2</sup> (2000sqft)  Operating Temperature: -30°C to 50°C (-22°F to 122°F)  with ethernet accessory</p>	1 unit	98,600.00	



	Inclusion of 1 year subscription			
10	<b>16-port SFP+ Switch</b> 16x 10GE SFP+ Slots 1x RJ45 Console Port 1x Micro-USB port 1x Fan Rack Mountable 100-240 V AC ~50/60 Hz Max Power Consumption: 32.74W Switching Capacity: 320Gbps Packet Forwarding Rate: 238.08 Mpps MAC Address Table: 32K Packet Buffer Memory: 24 Mbit Jumbo Frame: 9 KB L2 and L2+ features: - Link Aggregation - static link aggregation - 802.3ad LACP - Up to 8 aggregation groups, containing 8 ports per group - Spanning Tree Protocol Zero-Touch Provisioning with app with rack-mount kit	1 unit	52,000.00	
11	<b>24-Port Gigabit POE+ and 4-Port 10GE SFP+</b> Specifications: 24x 10/100/1000 Mbps RJ45 Ports 4x 10G SFP+ Slots 1x RJ45 Console Port 1x Micro-USB port 2x Fan Rack Mountable 24 PoE ports, up to 30W per port 802.3at/af Standard Power Budget: 384W 100-240 V AC ~50/60 Hz Max Power Consumption: 34.4W idle, 465.8W with 384W PD device connected Switching Capacity: 128Gbps Packet Forwarding Rate: 95.23 Mpps MAC Address Table: 16K Packet Buffer Memory: 12 Mbit Jumbo Frame: 9 KB L2 and L2+ features: - Link Aggregation - static link aggregation - 802.3ad LACP - Up to 8 aggregation groups, containing 8 ports per group - Spanning Tree Protocol Zero-Touch Provisioning with app with rack-mount kit Accessories: Prefabricated rolled steel tower hub (10 meters) Tri-footing to be installed on RCMC Bldg and FOD Bldg.	2 units	158,400.00	
12	<b>Fiber Optic Automatic Fusion Splicer Machine</b> Model: AI-9 Fusion Splicer	1 unit	53,000.00	

	<p>Applicable Fibers: SM (G.652&amp;G.657), MM (G.651), DS(G.657), NZDS (G.655)</p> <p>Splice Loss: 0.025dB (SM) 、 0.01dB (MM) 0.04dB (DS/NZDS)</p> <p>Focus mode: 6 motors Auto focus</p> <p>Fiber alignment: Core/cladding alignment</p> <p>Manual alignment</p> <p>Typical splicing time: 5S</p> <p>Typical heating time: 15S - Fast heating function, heating time can be set ,</p> <p>Automatic heating (Preheating), heating programs (max.10)</p> <p>Control technology: Real-time control and calibration of fusion ARC</p> <p>Splicing Mode: Normal / high precision splicing (splicing programs max 100)</p> <p>Splicing method: Fully automatic, step by step splicing</p> <p>Splicing record storage: Synchronize to the phone, the server to cloud storage unlimited</p> <p>Built-in battery: 7800 mAh high-capacity lithium battery, charging time≤3.5 hours, continuous splicing and heating about 240 times</p> <p>Includes: Toolbox, heavy duty stool, wire-stripper pliers, built-in power meter and VFL, other accessories</p>			
13	<p><b>Dual AIO desktop</b></p> <p>Two units of:</p> <p>22 inches display</p> <p>CPI: 3.20GHz max, 2-cores 4-threads</p> <p>16GB RAM DDR3</p> <p>512GB SSD Hard drive</p> <p>Keyboard, mouse, mousepad, camera</p>	3 sets	156,000.00	
14	<p><b>Field Monitoring and Base AIO Set</b></p> <p>One unit Desktop AIO:</p> <p>Specifications:</p> <p>CPU: Core-i3</p> <p>RAM: 8GB</p> <p>HDD: 128GB</p> <p>Monitor: 20 inches</p> <p>with keyboard, mouse, webcam and mousepad</p> <p>Two units Laptop:</p> <p>Specifications:</p> <p>CPU: Celeron J4125</p> <p>RAM: 8GB</p> <p>HDD: 256GB</p> <p>Monitor: 15.8 inches FHD</p> <p>with laptop cover, mouse and mousepad</p>	5 sets	280,000.00	
	<b>(CO) Sub-Total</b>		<b>3,344,000.00</b>	
15	<p><b>NAS grade HDD 16TB</b></p> <p>Model: WD101EFBX</p> <p>Recording Technology: CMR</p> <p>Interface: SATA 6 Gbps</p> <p>Capacity: 10TB</p> <p>Form Factor: 3.5 inches</p> <p>Internal transfer rate: 215 MBps</p> <p>Cache: 256 MB</p>	10 units	144,350.00	

	RPM: 7200			
16	<b>Omada hardware controller</b> Centralized management up to 500 Omada access points, 100 Jetstream switches and 100 Omada routers and up to 15,000 clients Cloud access ready, L3 Management and Multi-site Management 2x 10/100/1000 Mbps Ethernet Ports 1x USB 3.0 port 100-240V ~50/60Hz. 0.6A	2 unit	30,000.00	
17	<b>8 port 10GbE switch</b> Standards and Protocols: IEEE 802.3, 802.3u, 802.3ab, 802.3x, 802.1p, 802.3an, 802.3bz Interface: 8x 100Mbps/1Gbps/2.5Gbps/5Gbps/10Gbps Ports, Auto-Negotiation, Auto-MDI/MDIX Fan Quantity: 1 smart fan with adjustable speed External Power Supply: 100-240 VAC, 50/60 Hz, 0.8A LED Indicator: 1 Power, 1 Link and Activity per port Dimensions: (WxDxH) 11.6x7.1x1.7 inches Max Power Consumption: 31.2 W Switching Capacity: 160 Gbps Packet Forwarding Rate: 119.0 Mpps MAC Address Table: 32 K Packet Buffer Memory: 2 Mb Jumbo Frame: 10 KB 802.3X Flow Control 802.1p/DSCP QoS Transfer Method: Store and Forward with rackmount kit	2 units	51,300.00	
18	<b>8-Port 2.5Gbase-T switch</b> 8x 100/1000/2500 Mbps RJ45 ports 2x 10G SFP+ Slots 1x RJ45 Console Port 1x Micro-USB port 2x Fan 100-240 V AC ~50/60 Hz PoE Ports (RJ45) - Standard: 802.3at/af compliant - PoE+ Ports: 8 ports - PoE Power Budget: 240W Max Power Consumption: - 17.2W idle - 291.5W with 240W power devices connected Switching Capacity: 80Gbps Packet Forwarding Rate: 59.52 Mpps MAC Address Table: 16K Packet Buffer Memory: 12 Mbit Jumbo Frame: 9 KB Zero-Touch Provisioning with OMADA with rack-mount kit	2 units	54,500.00	
19	<b>AX1800 Wall Plate Wi-Fi 6 Access Point</b> Interface:	5 units	42,500.00	

	<p>Uplink: 1x 10/100/1000Mbps Ethernet Port</p> <p>Downlink: 3x 10/100/1000Mbps Ethernet Port</p> <p>1 port supports 802.3at PoE+, max 12W</p> <p>Physical security lock and reset button</p> <p>Power: 802.3af/at PoE</p> <p>2 Dual-band antennas</p> <p>2.4GHz: 2x 3dBi</p> <p>5 GHz: 2x 4dBi</p> <p>Wall plate mounting</p> <p>Wireless Features:</p> <p>Wireless Client Capacity: 100+</p> <p>Wireless Standards: IEEE 802.11ax/ac/n/g/b/a</p> <p>Frequency: 2.4GHz and 5GHz</p> <p>Signal Rate:</p> <p>2.4GHz: up to 574Mbps</p> <p>5 GHz: up to 1201Mbps</p> <p>Supports Zero-touch provisioning via App</p>			
20	<p><b>AX1800 Ceiling Mount Wi-Fi 6 Access Point</b></p> <p>Interface: 1x Gigabit Ethernet (RJ45) port</p> <p>Power: 802.3af/at PoE, 48V Passive PoE and 12V / 1.5A DC</p> <p>Power Consumption: 14.9W for PoE, 13.4W for DC</p> <p>Internal Omni Antenna:</p> <p>2.4GHz: 2x 4dBi</p> <p>5 GHz: 2x 5dBi</p> <p>Ceiling/Wall plate mounting (kit included)</p> <p>Wireless Features:</p> <p>Wireless Standards: IEEE 802.11ax/ac/n/g/b/a</p> <p>Frequency: 2.4GHz and 5GHz</p> <p>Signal Rate:</p> <p>2.4GHz: up to 574Mbps</p> <p>5 GHz: up to 1201Mbps</p> <p>Supports Zero-touch provisioning via App</p>	4 units	48,000.00	
21	<p><b>AX1800 Indoor/Outdoor WiFi 6 Access Point</b></p> <p>Interface: 1x Gigabit Ethernet (RJ45) port</p> <p>Power: 802.3at PoE, 48V/0.5A Passive PoE</p> <p>Power Consumption: 14.7W</p> <p>Internal Omni Antenna:</p> <p>2.4GHz: 2x 4dBi</p> <p>5 GHz: 2x 5dBi</p> <p>Pole/Wall Mounting (kit included)</p> <p>IP67 Weatherproof Enclosure</p> <p>Wireless Features:</p> <p>Wireless Standards: IEEE 802.11ax/ac/n/g/b/a</p> <p>Frequency: 2.4GHz and 5GHz</p> <p>Signal Rate:</p> <p>802.11ax: 8 Mbps to 1201 Mbps (MCS0-MCS11, NSS = 1 to 2 HE20/40/80)</p> <p>802.11ac: 6.5 Mbps to 867 Mbps (MCS0-MCS9, NSS = 1 to 2 VHT20/40/80)</p>	2 units	24,500.00	

	<p>802.11n: 6.5 Mbps to 300 Mbps (MCS0-MCS15, VHT 20/40)</p> <p>802.11g: 6, 9, 12, 18, 24, 36, 48, 54 Mbps</p> <p>802.11b: 1, 2, 5.5, 11 Mbps</p> <p>802.11a: 6, 9, 12, 18, 24, 36, 48, 54 Mbps</p> <p>Captive Portal Authentication, ACLs, SSID to VLAN Mapping</p> <p>Supports Zero-touch provisioning with App</p>			
22	<p><b>8-port switch with 4-port POE</b></p> <p>Hardware Specs:</p> <p>Standards and Protocols: IEEE 802.3i, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3ad, IEEE 802.3af, IEEE 802.3at, IEEE 802.3x, IEEE 802.1d, IEEE 802.1s, IEEE 802.1w, IEEE 802.1q, IEEE 802.1p, IEEE 802.1x</p> <p>Interface: 8× 10/100/1000 Mbps RJ45 Ports (Ports 1–4 Support 802.3at/af PoE+) and Auto-Negotiation/Auto MDI/MDIX</p> <p>Network Media: 10BASE-T: UTP category 3,4,5 cable (maximum 100m) and 100BASE-TX/1000Base-T: UTP Category 5, 5E or above (maximum 100m)</p> <p>Power Supply: External Power Adapter (Output: 53.5 VDC/1.3A)</p> <p>Power Consumption: 7.9W (no power device connected); 79.2W (with 62W power devices connected)</p> <p>PoE Ports (RJ45): Standard: 802.3af/at compliant, 4 ports, up to 62W</p> <p>Performance:</p> <p>Bandwidth/Backplane: 16Gbps</p> <p>MAC Address Table: 8K</p> <p>Packet Buffer Memory: 4.1Mbit</p> <p>Jumbo Frame: 9KB</p> <p>Software Features:</p> <p>Support VLANs, DHCP Snooping, ACLs</p> <p>Zero-touch Provisioning with App</p>	2 units	15,000.00	
23	<p><b>AX5400 Ceiling Mount WiFi 6 Access Point</b></p> <p>Interface: 1x 2.5 Gigabit Ethernet (RJ45) port</p> <p>Power: 802.3at PoE and 12V / 1.5A DC</p> <p>Power Consumption: 19.8W</p> <p>Internal Omni Antenna:</p> <p>2.4GHz: 2x 4dBi</p> <p>5 GHz: 4x 5dBi</p> <p>Ceiling/Wall plate mounting (kit included)</p> <p>Wireless Features:</p> <p>Wireless Client Capacity: 250</p> <p>Wireless Standards: IEEE 802.11ax/ac/n/g/b/a</p> <p>Frequency: 2.4GHz and 5GHz</p> <p>Signal Rate:</p> <p>2.4GHz: up to 574Mbps</p> <p>5 GHz: up to 4804Mbps</p> <p>Supports Zero-touch provisioning w/ App</p>	2 units	27,000.00	

24	<p><b>Outdoor CPE Point-to-Point</b>  Processor: 750MHz CPU, MIPS 74Kc  Memory: 128 MB DDR2 RAM, 16 MB Flash  Interface: 1x 10/100/1000 Mbps Shielded Ethernet Port (LAN/POE), 1 reset button  Power Supply: Passive PoE via LAN (+4,5pins; -7,8 pins), 16-27V DC  Antenna Gain: 23dBi  Antenna Beamwidth: 9° (Azimuth)/7° (Elevation)  Protection: 15 KV ESD Protection; 6 KV Lightning Protection  Enclosure: IP65 water and dust proof stabilized plastic  Wireless Standards: IEEE 802.11a/n/ac  Wireless Speeds:  Up to 867 Mbps (80 MHz, Dynamic)  Up to 400 Mbps (40 MHz, Dynamic)  Up to 173.4 Mbps (20 MHz, Dynamic)  Frequency: 5.15-5.85 GHz  Transmit Power: Max. 27 dBm (Adjustable power by 1dBm)  Network Configuration:  WAN: Static/ Dynamic/ PPPoE  LAN: Static/ Dynamic/ DHCP  Forwarding: ALG/ UPnP/ Virtual Server/ Port Trigger  Security: SPI Firewall/ Ping Forbidden/ DoS Protection  Access Control  Static Routing  Bandwidth Control  IP &amp; MAC Binding  Discovery and Remote Management w/ app</p>	10 units	43,750.00	
25	<p><b>SFP+ LR Transceiver</b>  Model: TL-SM5110-LR  DDM, SFP-MSA, Hot Swappable  Standards and Protocols: IEEE 802.3ae, TCP/IP  Wave length: 1310 nm  Power Supply: 3.3V  Fiber Type: 9/125micrometer Single-Mode  Max. Cable Length: 10km  Data Rate: 10Gbps  Port Type: LC Duplex</p>	4 units	22,800.00	
26	<p><b>SFP Transceiver A</b>  Model: TL-SM321A-2  DDM, SFP-MSA, Hot Swappable  Standards and Protocols: IEEE 802.3z, TCP/IP  Wave length: Tx: 1550n; Rx: 1310nm  Power Supply: 3.3V  Fiber Type: 9/125micrometer Single-Mode  Max. Cable Length: 2km  Data Rate: 1.25Gbps  Port Type: LC Simplex</p>	3 units	4,800.00	
27	<p>SFP Transceiver B  Model: TL-SM321B-2</p>	3 units	4,800.00	

	DDM, SFP-MSA, Hot Swappable Standards and Protocols: IEEE 802.3z, TCP/IP Wave length: Tx: 1310nm; Rx: 1550nm Power Supply: 3.3V Fiber Type: 9/125micrometer Single- Mode Max. Cable Length: 2km Data Rate: 1.25Gbps Port Type: LC Simplex			
28	<b>SFP+ Direct Attach Cable 3 meters</b> Model: TL-SM5220-3M Data Rate: 10Gbps Conductor: Silver Plated Copper	2 units	7,200.00	
29	<b>SFP+ Direct Attach Cable 1 meter</b> Model: TL-SM5220-1M Data Rate: 10Gbps Conductor: Silver Plated Copper	4 units	10,800.00	
30	<b>Fiber Cleaver FTTH Optic Fiber Cutter</b> Model: AUA-60S Fiber Diameter: 125micrometer Coating Diameter: 250micrometer - 900micrometer Cutting length for optical fiber: 10mm Cleaver dimensions: 63x76xx60 mm (W x D x H) Weight: 272g with cutting knife, knife adjustment wrench and anti-drop bag	1 unit	1,700.00	
31	<b>FTTH Fiber Optic Toolkit</b> 1 X optic power meter 1 X 5km visual locator 1 X FC-6s fiber cleaver 1 X 160ml bottle for isopropyl alcohol 1 X SC adaptor 5 X Battery 1 X Wire stripper 1 X FTTH crimper 1 X anti-drop bag for cleaver 1 X hand bag	2 sets	10,000.00	
32	<b>FTTH Fiber optic drop wire 2KM</b> FTTH Self Supporting Butterfly Cable (G657) 3 steel, dual core Single Mode 2 KM length Fiber Type: 9/125micrometer Wavelength: 1310, 1550nm Low Fiber Insertion Loss <= 0.3 Light attenuation <= 0.3dB Return Loss >= 50dB	1 unit	12,000.00	
33	<b>Portable Power Station</b> •72000mah (230Wh )capacity lithium iron phosphate battery •2-USB QC output ports support 65W PD3.0 2 way fast charging protocol •AC220V AC outlet with maximum capacity of 300W • 2 outputs DC5.5 12V/10A	2 units	25,200.00	

	<ul style="list-style-type: none"> <li>•Support 12V input port, can use the solar panel to recharge the battery for the charging station</li> <li>•Integrated multi-function LED: illuminates and emits SOS signals.</li> </ul> <p>Model: EN300WLPD  AC Output:300W (AC 220V-50Hz, Sine Wave)  Battery power: 230Wh (TYP)  Battery capacity: 72000mAh (Lithium Ion Phosphate Cell)  Power Rate of Flashlight: 3W  12V Input: 12-24-1A-5A (Max 60W)  12V Output:12V-6A (DC 1+ DC 2)  USB-C input: DC5V-3A/9V-3A/12V-3A/15V-3A/20V-3.25A  USB-C output: DC5V-3A/9V-2A/12V-3A/15V-3A/20V-3.25A  USB-1 output: DC5V-3A/9V-2A/12V-1.5A  USB 2 Output: DC5V-3A/9V-2A/12V-1.5A  Total Output:5V-4A (USB 1 + USB 2)  Dimensions: 268x110x185mm (about)  Weight: 3092g (about)</p>			
34	<p><b>Pure sinewave Power Station</b>  Function:  Quick Charge Support, LED Display, Two-way Quick Charge, Fast Charging, Convenient, PD Charging, Rechargeable, Flashlight, Fast Charger, Flexible, Durable, With Led Light, Multi-function, High Quality, Storage, Fashion, Large Capacity, Type-c Power Bank, Protection, New, High Speed</p> <p>Specification:  <ul style="list-style-type: none"> <li>• Model: EN1000S</li> <li>• Battery power: 1100Wh</li> <li>• Battery Capacity: 297600Ah/3.7V</li> <li>• Input 1: (12-24V)5A 100W (Max)</li> <li>• Input 2: (12-24V)5A 100W (Max)</li> <li>• Input 3: 16.8 12V 200W (Max)</li> <li>• PD Input: 60W</li> <li>• Total Input: 100W+100W+200W (Max)</li> <li>• Output AC: (220V/50-60Hz pure sine wave) 1000W Max</li> <li>• Output USB-1: 5V-2.4A</li> <li>• Output USB-2(3): ((5-12V) 18W max, QC3.0 Built-in</li> <li>• Output Type-C1: 5V-4A 9V-2.22A 12V-1.67A</li> <li>• Output Type-C2: (5.*20V)60W Max</li> <li>• Output DC: 12V-10A (Share with cigar lighter)</li> <li>• Output Cigar Lighter: 12V-12A</li> <li>• LED Power: 5W (low,High,SOS, Flash Mode)</li> <li>• Dimensions: 192x303x192mm</li> <li>• Weight: 11800g</li> </ul> </p>	1 unit	42,850.00	
35	<p><b>Multi-function Printer</b>  <b>SPECIFICATIONS</b></p>	15 units	63,450.00	



	<ul style="list-style-type: none"> <li>• Printer Type: Print, Scan, Copy</li> <li><b>Printing Technology:</b></li> <li>• Print Method: On-demand inkjet (Piezoelectric)</li> <li>• Printer Language: ESC/P-R, ESC/P Raster</li> <li>• Nozzle Configuration: 180 x 1 nozzles Black, 59 x 1 nozzles per Colour (Cyan, Magenta, Yellow)</li> <li>• Maximum Resolution: 4800x600 dpi</li> <li><b>Print Speed:</b></li> <li>• Photo Default - 10 x 15 cm / 4 x 6 " *1: Approx. 69 sec per photo (Border) / 90 sec per photo (Borderless)*2</li> <li>• Draft, A4 (Black / Colour): Up to 33.0 ppm / 15.0 ppm*2</li> <li>• ISO 24734, A4 Simplex (Black / Colour): Up to 10.0 ipm / 5.0 ipm*2</li> <li>• First Page Out Time from Ready Mode (Black / Colour): Approx. 10 sec / 16 sec*2</li> </ul>			
36	<p><b>ICT spherical RGB sensor device Photo</b>  Resolution: 360deg: 72MP (11968x5984), 18MP (5952x2976)  Internal/External Stitching: Internal Stitching  Number of Lenses: 2  Focal Length: 6.9mm  Maximum Aperture: f/2  ISO Sensitivity: Video, 100 to 3200 in Auto Mode  Sensor Type: 1/2.3" CMOS Sensor  Display Type: Fixed Touchscreen LCD•  Size: 2.29"  Waterproof Depth Rating: IPX8 1,500cm in 90minutes  Built-In Mic: Yes• Video Coding: H.264, H.265  Video Bitrate: 100Mbps• Gyroscope: 6-axis gyroscope  Audio: Stereo audio with optional wind-noise reduction, 360 audio (ambisonic)  Bluetooth: BLE 4.2  Wi-Fi: 802.11a/b/g/n/ac  Battery: Lithium-Ion Polymer, 1800 mAh  Charging Method: USB Type-C• Charging Time: 85 minutes  Run Time: 8K@30fps – 80 minutes"</p>	1 unit	25,000.00	
37	<p><b>Technology assistant nest hub</b>  Chromecast built-in, Quick Gestures  Mic &amp; camera switch  Virtual stereo design w/ 2 tweeters and one woofer  Far-field microphones  Ultrasound sensing  Voice Match technology  Ambient EQ light sensor  2.4 GHz 802.15.4 Thread support  Display 7"</p>	2 units	15,640.00	
38	<b>ICT working surface tech</b>	2 units	47,000.00	

	<ul style="list-style-type: none"> <li>• Red Green Blue light emitting diodes aura</li> <li>• Adjustable hydrau-height</li> <li>• Dimension 1.5mx770cmx750-880cm</li> <li>• Material carbon fiber alum</li> <li>• PC-AV connection easy convinient controls</li> <li>• Ergonomic ICT surface multifunction designs</li> </ul>			
39	<p><b>Data gathering equipment tool</b>  Model: +313g0 RAM: 2GB, 1333 MHz  Storage: 16GB, Display: 6.6", IPS, 1080 x 2280 pixels, 24 bit Camera: 4032 x 3024 pixels, 1920 x 1080 pixels, 30 fps Battery: 3500 mAh, Li-Polymer</p>	15 units	33,750.00	
40	<p><b>Inkjet Printer</b>  <b>SPECIFICATIONS</b></p> <ul style="list-style-type: none"> <li>• Technology <ul style="list-style-type: none"> <li>• Printing Method: Micro Piezo™ print head</li> <li>• Nozzle Configuration: 180 Nozzles Black, 59 Nozzles per Color</li> <li>• Minimum Droplet Size: 3 pl</li> <li>• Ink Technology: Dye Ink</li> <li>• Printing Resolution: 720 x 720 DPI</li> <li>• Category: Home, Office Desktop</li> </ul> </li> <li>• Print <ul style="list-style-type: none"> <li>• Printing Speed ISO/IEC 24734: 9 pages/min Monochrome, 4.8 pages/min Colour</li> <li>• Colours: Black, Cyan, Yellow, Magenta</li> </ul> </li> <li>• Paper/Media Handling <ul style="list-style-type: none"> <li>• Number of paper trays: 1</li> <li>• Paper Formats A4 (21.0x29.7 cm), Letter, User defined, Legal</li> <li>• Duplex: Manual</li> <li>• Print Margin: 3 mm top, 3 mm right, 3 mm bottom, 3 mm left (Wherever margin is defined. Otherwise 3mm top, left, right, bottom.)</li> <li>• Output Tray Capacity: 30 Sheets</li> <li>• multifunction: 50 Sheets Standard</li> <li>• Media Handling: Manual duplex</li> </ul> </li> <li>• General <ul style="list-style-type: none"> <li>• Energy Use: 0.6 Watt (sleep mode), 10 Watt (Printing), 2 Watt (Ready), 0.3 Watt (Power off)</li> <li>• Supply Voltage: AC 220 V - 240 V</li> <li>• Noise Level: 6.6 B (A) with Epson Premium Glossy Photo Paper / Photo RPM mode - 53 dB (A) with Epson Premium Glossy Photo Paper / Photo RPM mode</li> <li>• Compatible Operating Systems: Mac OS 10.5.8 or later, Windows 10, Windows 7, Windows 8, Windows 8.1, Windows Vista, Windows XP</li> <li>• Interfaces: USB</li> <li>• Power supply: 220V, 240V</li> </ul> </li> </ul>	15 units	110,160.00	

	<ul style="list-style-type: none"> <li>• Colour: Black</li> </ul> <b>FEATURES</b> <ul style="list-style-type: none"> <li>• quality: Purpose-built, refillable ink tank</li> <li>• Peace of mind: warranty</li> <li>• Compact design: Small footprint ideal for home use</li> <li>• Value for money: Ultra-low-cost per page</li> <li>• User-friendly: Hassle-free with simple set-up</li> </ul> <b>DIMENSIONS</b> <ul style="list-style-type: none"> <li>• Product dimensions: 461 x 215 x 130 mm (Width x Depth x Height)</li> <li>• Product weight: 2.4 kg</li> </ul>			
41	<b>FTTH Fiber optic drop wire 2KM</b> FTTH Self Supporting Butterfly Cable (G657) Single Mode, Dual Core 2 KM length Fiber Type: 9/125micrometer Wavelength: 1310, 1550nm Low Fiber Insertion Loss <= 0.3 Light attenuation <= 0.3dB Return Loss >= 50dB	1 unit	9,450.00	
42	<b>FTTX OTDR Five-in-one Tester</b> FTTX Optical Time Domain Reflectometer Fiber Breakpoint Detection Single Mode Event Map OPM VFL OLS dust-proof and water-proof 2,6 inch screen, save data in SOR format	1 unit	17,300.00	
43	<b>FTTH LC/UPC Connector</b> 10 pcs/set FTTH LC fast connector Insertion loss: 0.2dB for UPC Cable applicable: 31. x 2.0 mm drop cable Material: plastic Single-mode or Multi-mode Fiber counts: simplex or duplex Wavelength: 1310/550nm	4 sets	5,200.00	
	<b>(SE) Sub-Total</b>		<b>950,000.00</b>	
44	Windows Antivirus Windows antivirus plus Up to 3 device 2 years subscription Includes: 1x DVD installer 1x Product Key	63 units	173,250.00	
45	Workspace google business standard workspace from one hundred zero, business and government standard software for better life of office staff	12 units	144,000.00	
46	<b>Office Productivity Suite Family multiple device annual</b>	44 units	264,000.00	
47	<b>Virtual private server software</b>	2 units	196,000.00	

	Specifications design: with physical stuff, Operating System: linux and ioS based ,ceramic Shield front Textured matte glass back and stainless steel design / 256GB storage <sup>1</sup> 8GB unified memory / 24-inch 4.5K eye display processor: bionic a16 chip, 16 core neural engine Memory: LPDDR5 16GB / Storage: UFS3.1 512 gb retina xdr display, six point seven -inch all-screen oledc, 2796-by-1290-pixel resolution at 460 ppi Rear sensor: 48 mp Main: 24 mm, f/1.78 aperture, second-generation Front sensor: 12 mp. mm film camera Navigation: GNSS support GPS (L1/L5), Glonass (L1), Galileo (E1/E5a), BeiDou(B1i/B1c/B2a), QZSS (L1/L5) and NavIC			
48	<b>Agisoft Metashape Standard Edition</b>	2 units	40,000.00	
	<b>(CS) Sub-Total</b>		<b>817,250.00</b>	

**DELIVERY SITE:**

DA RFO 5, San Agustin, Pili Camarines Sur

*I hereby commit to comply and deliver all the above requirements in accordance with above stated schedule.*

Signature over Printed Name of Authorized Representative\_\_\_\_\_

Date\_\_\_\_\_

## ***Section VII. Technical Specifications***

# Technical Specifications

ITEM No.	QTY	Specifications	Statement of Compliance
			<p><i>[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.]</i></p>
<b>1 LOT - VARIOUS ICT</b>			
1	1 unit	<b>Cloud Core Enterprise Router</b> CPU: 36 cores TLR4-03680 1.2 GHz RAM: 8GB Storage: NAND 1GB OS: Router OS License Level: 6 10/100/1000 Ethernet ports: 8 1G/10G SFP+ ports: 2 M.2 slot: 1 PCIE x4 Memory card slot: 1 micro SD	

		USB ports: 1 USB type A Serial port: 1 RJ45 Supported Input Voltage: 100V - 240V Number of AC inputs: 2 Max Power Consumption 73W with CPU and PCB temperature monitor with rack installation kit	
2	1 set	<b>Enterprise mapping UAV</b> Aircraft specs: Max wind resistance: 12m/s Max flight time: 45mins / Max hover time: 38mins Max flight distance: 32km GNSS: GPS, Galileo, BeiDou, GLONASS 4/3 inch CMOS 20MP Wide Camera 1/2 inch CMOS 12 MP Tele Camera Omnidirectional binocular vision system, with bottom infrared Occusync 3 Enterprise Video Transmission RC specs: 15km max unobstructed signal range 4 antennas, 2T4R 5.5inches HD 1,000nits 60fps screen / 10-point multitouch 64 GB ROM / approx. 3 hours operating time 3x battery with charging hub Accessories specs: Self-balancing algorithm / Rated 800W dual motor rollers Torque: 70nm / automated headlight Sensor lighting for signal / iridiscent taillight 310 Wh battery / 54.3 VDC Max / 59.6 charging voltage Max speed: 18km/hr / 30 km range	
3	2 units	<b>Presidential portable teleprompter</b> Features: strong adjustable stand, max height: 2meters 19 inch display, 300 nits screen brightness Self-reversing HD monitor, supports USB, VGA, HDMI, AV video direct input Support PPT, WORD, PDF, JPG, RTF, TXT, etc. Super thin 2mm 60/40 or 7170/30 rate beam splitter Control mode supports wireless remote controller, wireless mouse and keyboard or foot pad	
4	1 set	<b>RGB Sensor payload set</b> Sensor Specs: R10 Body mirrorless camera Full frame 24.2 MP APS-C CMOS sensor 3" LCD monitor 4K UHD 6K oversampling and 4K 60p black video AF modes: One-shot AF, Servo AF / Built-in Flash Supported battery: LP-E17 / Supported charger: LC- E17  Lens Specs:	

		RF85mm f/2 Macro IS STM 78 x 90.5 mm Diameter and Length Gear stepping motor / Image Stabilization w/ lens cap, lens hood and bag	
5	1 set	<b>Network backup power supply</b> 5.5 KW capacity 12x 450w panel 5.5kw SNADI Hybrid Inverter (Built-in 100A MPPT SCC) 12KWHr Deep Cycle Gel Battery Railings and Brackets Wiring, Connectors, Breakers and Pipes With Site Installation on RCMC Bldg	
6	1 set	<b>Network expansion cards</b> DS1821+ 10Gbps SFP+ 2 port PCIE network expansion card Rack server compatible 10Gbps SFP+ 2 port PCIE network expansion card X520-DA2 chipset 10Gbps SFP+ 2 port PCIE network expansion card	
7	1 unit	<b>Hypervisor / Storage Server</b> CPU: 2x Xeon Bronze 3204, 6-core 6-Threads 1.9GHz RAM: 256GB DDR4 ECC HDD: 8x 4TB 3.5" NAS Grade HDD (up to 18 3.5" HDD) SSD: 2x 512GB NVME SSD RAID Controller: Perc H330 (supports IT mode for ZFS) PSU: 750W Platinum 80+ Network Cards: i350-T4 1GbE 4-port RJ45 NIC 2x 10GbE SFP LOM iDRAC 9 up to 8 PCIE Gen 3 Slots	
8	6 units	<b>Kobo data collection equipment</b> OS: Android 12 CPU: Dimensity 9000+ Graphics: Mali-G710 Memory: LPDDR5X 16GB Storage: UFS 3.1 512GB Display: 6.78" 20.4:9 (2448 x 1080) 165Hz / 1ms AMOLED Corning Gorilla Glass Victus Delta-E < 1 Main Camera: IMX766 50 MP image sensor - 1/1.56" large sensor size, 1 µm pixel size. F1.9 aperture, 23.8mm equivalent focal length in 35mm film camera Second Rear Camera: 13 MP, Ultrawide-angle camera, 12.5mm equivalent focal length in 35mm film camera Third Rear Camera: 5 MP, Macro Front Camera: 12 MP, 27.5mm equivalent focal length in 35mm film camera Integrated WiFi 6E* (802.11a/b/g/n/ac/ax, 2x2 MIMO) Supports 2.4GHz/ 5GHz/ 6GHz WiFi Bluetooth® 5.3 (HFP + A2DP + AVRCP + HID + PAN + OPP)	



		<p>Wi-Fi Direct and NFC  Dual slots: 5G*+5G or 4G dual-SIM / dual-standby support  Sensor: In-display fingerprint sensor, face recognition, accelerometer, e-compass, gyroscope, proximity sensor, ambient-light sensor, ultrasonic sensors for Air Trigger 6 and grip press  Battery: 6000 mAh, supports PD charging  Box contains: Aeroactive Cooler 6, USB power adapter (65-Watt),  USB-C to USB-C cable, Aero Case and AR Card</p>	
9	1 unit	<p><b>Smart ICT Satellite Broadband Device and Annual Subscription</b>  Antenna Specifications:  Type: Electronic Phased Array  Orientation: Motorized Self Orienting  Environmental Rating: IP54  Operating Temperature -30°C to 50°C (-22°F to 122°F)  Field of View 100°  Average Power Usage 50-75W  Indoor Wi-Fi Specifications:  Wi-Fi Technology: IEEE 802.11a/b/g/n/ac standards  Chipset: Wi-Fi 5  Radio Dual Band - 3 x 3 MIMO  Security: WPA2  Environmental Rating: IP54, configured for indoor use  Range Up to 185m<sup>2</sup> (2000sqft)  Operating Temperature: -30°C to 50°C (-22°F to 122°F)  with ethernet accessory</p> <p>Inclusion of 1 year subscription</p>	
10	1 unit	<p><b>16-port SFP+ Switch</b>  16x 10GE SFP+ Slots  1x RJ45 Console Port  1x Micro-USB port  1x Fan  Rack Mountable  100-240 V AC ~50/60 Hz  Max Power Consumption: 32.74W  Switching Capacity: 320Gbps  Packet Forwarding Rate: 238.08 Mpps  MAC Address Table: 32K  Packet Buffer Memory: 24 Mbit  Jumbo Frame: 9 KB  L2 and L2+ features:  - Link Aggregation  - static link aggregation  - 802.3ad LACP  - Up to 8 aggregation groups, containing 8 ports per group  - Spanning Tree Protocol  Zero-Touch Provisioning with app</p>	

		with rack-mount kit	
11	2 units	<p><b>24-Port Gigabit POE+ and 4-Port 10GE SFP+</b></p> <p>Specifications:</p> <p>24x 10/100/1000 Mbps RJ45 Ports  4x 10G SFP+ Slots  1x RJ45 Console Port  1x Micro-USB port  2x Fan  Rack Mountable  24 PoE ports, up to 30W per port  802.3at/af Standard  Power Budget: 384W  100-240 V AC ~50/60 Hz  Max Power Consumption: 34.4W idle, 465.8W with 384W PD device connected  Switching Capacity: 128Gbps  Packet Forwarding Rate: 95.23 Mpps  MAC Address Table: 16K  Packet Buffer Memory: 12 Mbit  Jumbo Frame: 9 KB  L2 and L2+ features:</p> <ul style="list-style-type: none"> <li>- Link Aggregation</li> <li>- static link aggregation</li> <li>- 802.3ad LACP</li> <li>- Up to 8 aggregation groups, containing 8 ports per group</li> <li>- Spanning Tree Protocol</li> </ul> <p>Zero-Touch Provisioning with app  with rack-mount kit</p> <p>Accessories:  Prefabricated rolled steel tower hub (10 meters)  Tri-footing to be installed on RCMC Bldg and FOD Bldg.</p>	
12	1 unit	<p><b>Fiber Optic Automatic Fusion Splicer Machine</b></p> <p>Model: AI-9 Fusion Splicer  Applicable Fibers: SM (G.652&amp;G.657), MM (G.651), DS(G.657), NZDS (G.655)  Splice Loss: 0.025dB (SM) 、 0.01dB (MM) 0.04dB (DS/NZDS)  Focus mode: 6 motors Auto focus  Fiber alignment: Core/cladding alignment Manual alignment  Typical splicing time: 5S  Typical heating time: 15S - Fast heating function, heating time can be set , Automatic heating (Preheating), heating programs (max.10)  Control technology: Real-time control and calibration of fusion ARC  Splicing Mode: Normal / high precision splicing (splicing programs max 100)  Splicing method: Fully automatic, step by step splicing  Splicing record storage: Synchronize to the phone, the server to cloud storage unlimited</p>	

		Built-in battery: 7800 mAh high-capacity lithium battery, charging time ≤ 3.5 hours, continuous splicing and heating about 240 times Includes: Toolbox, heavy duty stool, wire-stripper pliers, built-in power meter and VFL, other accessories	
13	3 sets	<b>Dual AIO desktop</b> Two units of: 22 inches display CPI: 3.20GHz max, 2-cores 4-threads 16GB RAM DDR3 512GB SSD Hard drive Keyboard, mouse, mousepad, camera	
14	5 sets	<b>Field Monitoring and Base AIO Set</b> One unit Desktop AIO: Specifications: CPU: Core-i3 RAM: 8GB HDD: 128GB Monitor: 20 inches with keyboard, mouse, webcam and mousepad Two units Laptop: Specifications: CPU: Celeron J4125 RAM: 8GB HDD: 256GB Monitor: 15.8 inches FHD with laptop cover, mouse and mousepad	
		<b>(CO) Sub-Total</b>	
15	10 units	<b>NAS grade HDD 16TB</b> Model: WD101EFBX Recording Technology: CMR Interface: SATA 6 Gbps Capacity: 10TB Form Factor: 3.5 inches Internal transfer rate: 215 MBps Cache: 256 MB RPM: 7200	
16	2 unit	<b>Omada hardware controller</b> Centralized management up to 500 Omada access points, 100 Jetstream switches and 100 Omada routers and up to 15,000 clients Cloud access ready, L3 Management and Multi-site Management 2x 10/100/1000 Mbps Ethernet Ports 1x USB 3.0 port 100-240V ~50/60Hz. 0.6A	
17	2 units	<b>8 port 10GbE switch</b> Standards and Protocols: IEEE 802.3, 802.3u, 802.3ab, 802.3x, 802.1p, 802.3an, 802.3bz Interface: 8x 100Mbps/1Gbps/2.5Gbps/5Gbps/10Gbps Ports, Auto-Negotiation, Auto-MDI/MDIX Fan Quantity: 1 smart fan with adjustable speed	

		<p>External Power Supply: 100–240 VAC, 50/60 Hz, 0.8A  LED Indicator: 1 Power, 1 Link and Activity per port  Dimensions: (WxDxH) 11.6×7.1×1.7 inches  Max Power Consumption: 31.2 W  Switching Capacity: 160 Gbps  Packet Forwarding Rate: 119.0 Mpps  MAC Address Table: 32 K  Packet Buffer Memory: 2 Mb  Jumbo Frame: 10 KB  802.3X Flow Control  802.1p/DSCP QoS  Transfer Method: Store and Forward with rackmount kit</p>	
18	2 units	<p><b>8-Port 2.5Gbase-T switch</b>  8x 100/1000/2500 Mbps RJ45 ports  2x 10G SFP+ Slots  1x RJ45 Console Port  1x Micro-USB port  2x Fan  100-240 V AC ~50/60 Hz  PoE Ports (RJ45)  - Standard: 802.3at/af compliant  - PoE+ Ports: 8 ports  - PoE Power Budget: 240W  Max Power Consumption:  - 17.2W idle  - 291.5W with 240W power devices connected  Switching Capacity: 80Gbps  Packet Forwarding Rate: 59.52 Mpps  MAC Address Table: 16K  Packet Buffer Memory: 12 Mbit  Jumbo Frame: 9 KB  Zero-Touch Provisioning with OMADA with rack-mount kit</p>	
19	5 units	<p><b>AX1800 Wall Plate Wi-Fi 6 Access Point</b>  Interface:  Uplink: 1x 10/100/1000Mbps Ethernet Port  Downlink: 3x 10/100/1000Mbps Ethernet Port  1 port supports 802.3at PoE+, max 12W  Physical security lock and reset button  Power: 802.3af/at PoE  2 Dual-band antennas  2.4GHz: 2x 3dBi  5 GHz: 2x 4dBi  Wall plate mounting  Wireless Features:  Wireless Client Capacity: 100+  Wireless Standards: IEEE 802.11ax/ac/n/g/b/a  Frequency: 2.4GHz and 5GHz  Signal Rate:  2.4GHz: up to 574Mbps  5 GHz: up to 1201Mbps  Supports Zero-touch provisioning via App</p>	
20	4 units	<p><b>AX1800 Ceiling Mount Wi-Fi 6 Access Point</b></p>	

		<p>Interface: 1x Gigabit Ethernet (RJ45) port  Power: 802.3af/at PoE, 48V Passive PoE and 12V / 1.5A DC  Power Consumption: 14.9W for PoE, 13.4W for DC  Internal Omni Antenna:  2.4GHz: 2x 4dBi  5 GHz: 2x 5dBi  Ceiling/Wall plate mounting (kit included)  Wireless Features:  Wireless Standards: IEEE 802.11ax/ac/n/g/b/a  Frequency: 2.4GHz and 5GHz  Signal Rate:  2.4GHz: up to 574Mbps  5 GHz: up to 1201Mbps  Supports Zero-touch provisioning via App</p>	
21	2 units	<p><b>AX1800 Indoor/Outdoor WiFi 6 Access Point</b>  Interface: 1x Gigabit Ethernet (RJ45) port  Power: 802.3at PoE, 48V/0.5A Passive PoE  Power Consumption: 14.7W  Internal Omni Antenna:  2.4GHz: 2x 4dBi  5 GHz: 2x 5dBi  Pole/Wall Mounting (kit included)  IP67 Weatherproof Enclosure  Wireless Features:  Wireless Standards: IEEE 802.11ax/ac/n/g/b/a  Frequency: 2.4GHz and 5GHz  Signal Rate:  802.11ax: 8 Mbps to 1201 Mbps (MCS0-MCS11, NSS = 1 to 2 HE20/40/80)  802.11ac: 6.5 Mbps to 867 Mbps (MCS0-MCS9, NSS = 1 to 2 VHT20/40/80)  802.11n: 6.5 Mbps to 300 Mbps (MCS0-MCS15, VHT 20/40)  802.11g: 6, 9, 12, 18, 24, 36, 48, 54 Mbps  802.11b: 1, 2, 5.5, 11 Mbps  802.11a: 6, 9, 12, 18, 24, 36, 48, 54 Mbps  Captive Portal Authentication, ACLs, SSID to VLAN Mapping  Supports Zero-touch provisioning with App</p>	
22	2 units	<p><b>8-port switch with 4-port POE</b>  Hardware Specs:  Standards and Protocols: IEEE 802.3i, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3ad, IEEE 802.3af, IEEE 802.3at, IEEE 802.3x, IEEE 802.1d, IEEE 802.1s, IEEE 802.1w, IEEE 802.1q, IEEE 802.1p, IEEE 802.1x  Interface: 8x 10/100/1000 Mbps RJ45 Ports (Ports 1-4 Support 802.3at/af PoE+) and Auto-Negotiation/Auto MDI/MDIX  Network Media: 10BASE-T: UTP category 3,4,5 cable (maximum 100m) and 100BASE-TX/1000Base-T: UTP Category 5, 5E or above (maximum 100m)  Power Supply: External Power Adapter (Output: 53.5 VDC/1.3A)</p>	

		<p>Power Consumption: 7.9W (no power device connected); 79.2W (with 62W power devices connected)</p> <p>PoE Ports (RJ45): Standard: 802.3af/at compliant, 4 ports, up to 62W</p> <p>Performance:</p> <p>Bandwidth/Backplane: 16Gbps</p> <p>MAC Address Table: 8K</p> <p>Packet Buffer Memory: 4.1Mbit</p> <p>Jumbo Frame: 9KB</p> <p>Software Features:</p> <p>Support VLANs, DHCP Snooping, ACLs</p> <p>Zero-touch Provisioning with App</p>	
23	2 units	<p><b>AX5400 Ceiling Mount WiFi 6 Access Point</b></p> <p>Interface: 1x 2.5 Gigabit Ethernet (RJ45) port</p> <p>Power: 802.3at PoE and 12V / 1.5A DC</p> <p>Power Consumption: 19.8W</p> <p>Internal Omni Antenna:</p> <p>2.4GHz: 2x 4dBi</p> <p>5 GHz: 4x 5dBi</p> <p>Ceiling/Wall plate mounting (kit included)</p> <p>Wireless Features:</p> <p>Wireless Client Capacity: 250</p> <p>Wireless Standards: IEEE 802.11ax/ac/n/g/b/a</p> <p>Frequency: 2.4GHz and 5GHz</p> <p>Signal Rate:</p> <p>2.4GHz: up to 574Mbps</p> <p>5 GHz: up to 4804Mbps</p> <p>Supports Zero-touch provisioning w/ App</p>	
24	10 units	<p><b>Outdoor CPE Point-to-Point</b></p> <p>Processor: 750MHz CPU, MIPS 74Kc</p> <p>Memory: 128 MB DDR2 RAM, 16 MB Flash</p> <p>Interface: 1x 10/100/1000 Mbps Shielded Ethernet Port (LAN/POE), 1 reset button</p> <p>Power Supply: Passive PoE via LAN (+4,5pins; -7,8 pins), 16-27V DC</p> <p>Antenna Gain: 23dBi</p> <p>Antenna Beamwidth: 9° (Azimuth)/7° (Elevation)</p> <p>Protection: 15 KV ESD Protection; 6 KV Lightning Protection</p> <p>Enclosure: IP65 water and dust proof stabilized plastic</p> <p>Wireless Standards: IEEE 802.11a/n/ac</p> <p>Wireless Speeds:</p> <p>Up to 867 Mbps (80 MHz, Dynamic)</p> <p>Up to 400 Mbps (40 MHz, Dynamic)</p> <p>Up to 173.4 Mbps (20 MHz, Dynamic)</p> <p>Frequency: 5.15-5.85 GHz</p> <p>Transmit Power: Max. 27 dBm (Adjustable power by 1dBm)</p> <p>Network Configuration:</p> <p>WAN: Static/ Dynamic/ PPPoE</p> <p>LAN: Static/ Dynamic/ DHCP</p> <p>Forwarding: ALG/ UPnP/ Virtual Server/ Port Trigger</p>	

		<p>Security: SPI Firewall/ Ping Forbidden/ DoS Protection</p> <p>Access Control</p> <p>Static Routing</p> <p>Bandwidth Control</p> <p>IP &amp; MAC Binding</p> <p>Discovery and Remote Management w/ app</p>	
25	4 units	<p><b>SFP+ LR Transceiver</b></p> <p>Model: TL-SM5110-LR</p> <p>DDM, SFP-MSA, Hot Swappable</p> <p>Standards and Protocols: IEEE 802.3ae, TCP/IP</p> <p>Wave length: 1310 nm</p> <p>Power Supply: 3.3V</p> <p>Fiber Type: 9/125micrometer Single-Mode</p> <p>Max. Cable Length: 10km</p> <p>Data Rate: 10Gbps</p> <p>Port Type: LC Duplex</p>	
26	3 units	<p><b>SFP Transceiver A</b></p> <p>Model: TL-SM321A-2</p> <p>DDM, SFP-MSA, Hot Swappable</p> <p>Standards and Protocols: IEEE 802.3z, TCP/IP</p> <p>Wave length: Tx: 1550n; Rx: 1310nm</p> <p>Power Supply: 3.3V</p> <p>Fiber Type: 9/125micrometer Single-Mode</p> <p>Max. Cable Length: 2km</p> <p>Data Rate: 1.25Gbps</p> <p>Port Type: LC Simplex</p>	
27	3 units	<p><b>SFP Transceiver B</b></p> <p>Model: TL-SM321B-2</p> <p>DDM, SFP-MSA, Hot Swappable</p> <p>Standards and Protocols: IEEE 802.3z, TCP/IP</p> <p>Wave length: Tx: 1310n; Rx: 1550nm</p> <p>Power Supply: 3.3V</p> <p>Fiber Type: 9/125micrometer Single-Mode</p> <p>Max. Cable Length: 2km</p> <p>Data Rate: 1.25Gbps</p> <p>Port Type: LC Simplex</p>	
28	2 units	<p><b>SFP+ Direct Attach Cable 3 meters</b></p> <p>Model: TL-SM5220-3M</p> <p>Data Rate: 10Gbps</p> <p>Conductor: Silver Plated Copper</p>	
29	4 units	<p><b>SFP+ Direct Attach Cable 1 meter</b></p> <p>Model: TL-SM5220-1M</p> <p>Data Rate: 10Gbps</p> <p>Conductor: Silver Plated Copper</p>	
30	1 unit	<p><b>Fiber Cleaver FTTH Optic Fiber Cutter</b></p> <p>Model: AUA-60S</p> <p>Fiber Diameter: 125micrometer</p> <p>Coating Diameter: 250micrometer - 900micrometer</p> <p>Cutting length for optical fiber: 10mm</p> <p>Cleaver dimensions: 63x76xx60 mm (W x D x H)</p> <p>Weight: 272g</p> <p>with cutting knife, knife adjustment wrench and anti-drop bag</p>	
31	2 sets	<b>FTTH Fiber Optic Toolkit</b>	

		1 X optic power meter 1 X 5km visual locator 1 X FC-6s fiber cleaver 1 X 160ml bottle for isopropyl alcohol 1 X SC adaptor 5 X Battery 1 X Wire stripper 1 X FTTH crimper 1 X anti-drop bag for cleaver 1 X hand bag	
32	1 unit	<b>FTTH Fiber optic drop wire 2KM</b> FTTH Self Supporting Butterfly Cable (G657) 3 steel, dual core Single Mode 2 KM length Fiber Type: 9/125micrometer Wavelength: 1310, 1550nm Low Fiber Insertion Loss <= 0.3 Light attenuation <= 0.3dB Return Loss >= 50dB	
33	2 units	<b>Portable Power Station</b> <ul style="list-style-type: none"> <li>•72000mah (230Wh )capacity lithium iron phosphate battery</li> <li>•2-USB QC output ports support 65W PD3.0 2 way fast charging protocol</li> <li>•AC220V AC outlet with maximum capacity of 300W</li> <li>• 2 outputs DC5.5 12V/10A</li> <li>•Support 12V input port, can use the solar panel to recharge the battery for the charging station</li> <li>•Integrated multi-function LED: illuminates and emits SOS signals.</li> </ul> Model: EN300WLPD AC Output:300W (AC 220V-50Hz, Sine Wave) Battery power: 230Wh (TYP) Battery capacity: 72000mAh (Lithium Ion Phosphate Cell) Power Rate of Flashlight: 3W 12V Input: 12-24-1A-5A (Max 60W) 12V Output:12V-6A (DC 1+ DC 2) USB-C input: DC5V-3A/9V-3A/12V-3A/15V-3A/20V-3.25A USB-C output: DC5V-3A/9V-2A/12V-3A/15V-3A/20V-3.25A USB-1 output: DC5V-3A/9V-2A/12V-1.5A USB 2 Output: DC5V-3A/9V-2A/12V-1.5A Total Output:5V-4A (USB 1 + USB 2) Dimensions: 268x110x185mm (about) Weight: 3092g (about)	
34	1 unit	<b>Pure sinewave Power Station</b> Function: Quick Charge Support, LED Display, Two-way Quick Charge, Fast Charging, Convenient, PD Charging, Rechargeable, Flashlight, Fast Charger, Flexible, Durable, With Led Light, Multi-function, High Quality,	



		<p>Storage, Fashion, Large Capacity, Type-c Power Bank, Protection, New, High Speed</p> <p>Specification:</p> <ul style="list-style-type: none"> <li>• Model: EN1000S</li> <li>• Battery power: 1100Wh</li> <li>• Battery Capacity: 297600Ah/3.7V</li> <li>• Input 1: (12-24V)5A 100W (Max)</li> <li>• Input 2: (12-24V)5A 100W (Max)</li> <li>• Input 3: 16.8 12V 200W (Max)</li> <li>• PD Input: 60W</li> <li>• Total Input: 100W+100W+200W (Max)</li> <li>• Output AC: (220V/50-60Hz pure sine wave) 1000W Max</li> <li>• Output USB-1: 5V-2.4A</li> <li>• Output USB-2(3): ((5-12V) 18W max, QC3.0 Built-in</li> <li>• Output Type-C1: 5V-4A 9V-2.22A 12V-1.67A</li> <li>• Output Type-C2: (5.*20V)60W Max</li> <li>• Output DC: 12V-10A (Share with cigar lighter)</li> <li>• Output Cigar Lighter: 12V-12A</li> <li>• LED Power: 5W (low,High,SOS, Flash Mode)</li> <li>• Dimensions: 192x303x192mm</li> <li>• Weight: 11800g</li> </ul>	
35	15 units	<p><b>Multi-function Printer</b></p> <p><b>SPECIFICATIONS</b></p> <ul style="list-style-type: none"> <li>• Printer Type: Print, Scan, Copy</li> </ul> <p><b>Printing Technology:</b></p> <ul style="list-style-type: none"> <li>• Print Method: On-demand inkjet (Piezoelectric)</li> <li>• Printer Language: ESC/P-R, ESC/P Raster</li> <li>• Nozzle Configuration: 180 x 1 nozzles Black, 59 x 1 nozzles per Colour (Cyan, Magenta, Yellow)</li> <li>• Maximum Resolution: 4800x600 dpi</li> </ul> <p><b>Print Speed:</b></p> <ul style="list-style-type: none"> <li>• Photo Default - 10 x 15 cm / 4 x 6 " *1: Approx. 69 sec per photo (Border) / 90 sec per photo (Borderless)*2</li> <li>• Draft, A4 (Black / Colour): Up to 33.0 ppm / 15.0 ppm*2</li> <li>• ISO 24734, A4 Simplex (Black / Colour): Up to 10.0 ipm / 5.0 ipm*2</li> <li>• First Page Out Time from Ready Mode (Black / Colour): Approx. 10 sec / 16 sec*2</li> </ul>	
36	1 unit	<p><b>ICT spherical rgb sensor device Photo</b></p> <p>Resolution: 360deg: 72MP (11968x5984), 18MP (5952x2976)</p> <p>Internal/External Stitching: Internal Stitching</p> <p>Number of Lenses: 2</p> <p>Focal Length: 6.9mm</p> <p>Maximum Aperture: f/2</p> <p>ISO Sensitivity: Video, 100 to 3200 in Auto Mode</p> <p>Sensor Type: 1/2.3" CMOS Sensor</p> <p>Display Type: Fixed Touchscreen LCD• Size: 2.29"</p> <p>Waterproof Depth Rating: IPX8 1,500cm in 90minutes</p> <p>Built-In Mic: Yes• Video Coding: H.264, H.265</p>	

		<p>Video Bitrate: 100Mbps• Gyroscope: 6-axis gyroscope  Audio: Stereo audio with optional wind-noise reduction, 360 audio (ambisonic)  Bluetooth: BLE 4.2  Wi-Fi: 802.11a/b/g/n/ac  Battery: Lithium-Ion Polymer, 1800 mAh  Charging Method: USB Type-C• Charging Time: 85 minutes  Run Time: 8K@30fps – 80 minutes"</p>	
37	2 units	<p><b>Technology assistant nest hub</b>  Chromecast built-in, Quick Gestures  Mic &amp; camera switch  Virtual stereo design w/ 2 tweeters and one woofer  Far-field microphones  Ultrasound sensing  Voice Match technology  Ambient EQ light sensor  2.4 GHz 802.15.4 Thread support  Display 7"</p>	
38	2 units	<p><b>ICT working surface tech</b></p> <ul style="list-style-type: none"> <li>• Red Green Blue light emitting diodes aura</li> <li>• Adjustable hydrau-height</li> <li>• Dimension 1.5mx770cmx750-880cm</li> <li>• Material carbon fiber alum</li> <li>• PC-AV connection easy convinient controls</li> <li>• Ergonomic ICT surface multifunction designs</li> </ul>	
39	15 units	<p><b>Data gathering equipment tool</b>  Model: +3l3g0 RAM: 2GB, 1333 MHz Storage: 16GB,  Display: 6.6", IPS, 1080 x 2280 pixels, 24 bit Camera:  4032 x 3024 pixels, 1920 x 1080 pixels, 30 fps Battery:  3500 mAh, Li-Polymer</p>	
40	15 units	<p><b>Inkjet Printer</b>  <b>SPECIFICATIONS</b></p> <ul style="list-style-type: none"> <li>• Technology <ul style="list-style-type: none"> <li>• Printing Method: Micro Piezo™ print head</li> <li>• Nozzle Configuration: 180 Nozzles Black, 59 Nozzles per Color</li> <li>• Minimum Droplet Size: 3 pl</li> <li>• Ink Technology: Dye Ink</li> <li>• Printing Resolution: 720 x 720 DPI</li> <li>• Category: Home, Office Desktop</li> </ul> </li> <li>• Print <ul style="list-style-type: none"> <li>• Printing Speed ISO/IEC 24734: 9 pages/min Monochrome, 4.8 pages/min Colour</li> <li>• Colours: Black, Cyan, Yellow, Magenta</li> </ul> </li> <li>• Paper/Media Handling <ul style="list-style-type: none"> <li>• Number of paper trays: 1</li> <li>• Paper Formats A4 (21.0x29.7 cm), Letter, User defined, Legal</li> <li>• Duplex: Manual</li> <li>• Print Margin: 3 mm top, 3 mm right, 3 mm bottom, 3 mm left (Wherever margin is defined. Otherwise 3mm top, left, right, bottom.)</li> </ul> </li> <li>• Output Tray Capacity: 30 Sheets</li> </ul>	

		<ul style="list-style-type: none"> <li>• multifunction: 50 Sheets Standard</li> <li>• Media Handling: Manual duplex</li> <li>• General <ul style="list-style-type: none"> <li>• Energy Use: 0.6 Watt (sleep mode), 10 Watt (Printing), 2 Watt (Ready), 0.3 Watt (Power off)</li> <li>• Supply Voltage: AC 220 V - 240 V</li> <li>• Noise Level: 6.6 B (A) with Epson Premium Glossy Photo Paper / Photo RPM mode - 53 dB (A) with Epson Premium Glossy Photo Paper / Photo RPM mode</li> <li>• Compatible Operating Systems: Mac OS 10.5.8 or later, Windows 10, Windows 7, Windows 8, Windows 8.1, Windows Vista, Windows XP</li> <li>• Interfaces: USB</li> <li>• Power supply: 220V, 240V</li> <li>• Colour: Black</li> </ul> </li> </ul> <p><b>FEATURES</b></p> <ul style="list-style-type: none"> <li>• quality: Purpose-built, refillable ink tank</li> <li>• Peace of mind: warranty</li> <li>• Compact design: Small footprint ideal for home use</li> <li>• Value for money: Ultra-low-cost per page</li> <li>• User-friendly: Hassle-free with simple set-up</li> </ul> <p><b>DIMENSIONS</b></p> <ul style="list-style-type: none"> <li>• Product dimensions: 461 x 215 x 130 mm (Width x Depth x Height)</li> <li>• Product weight: 2.4 kg</li> </ul>	
41	1 unit	<p><b>FTTH Fiber optic drop wire 2KM</b>  FTTH Self Supporting Butterfly Cable (G657)  Single Mode, Dual Core  2 KM length  Fiber Type: 9/125micrometer  Wavelength: 1310, 1550nm  Low Fiber Insertion Loss &lt;= 0.3  Light attenuation &lt;= 0.3dB  Return Loss &gt;= 50dB</p>	
42	1 unit	<p><b>FTTX OTDR Five-in-one Tester</b>  FTTX Optical Time Domain Reflectometer Fiber  Breakpoint Detection  Single Mode  Event Map  OPM  VFL  OLS  dust-proof and water-proof  2,6 inch screen, save data in SOR format</p>	
43	4 sets	<p><b>FTTH LC/UPC Connector</b>  10 pcs/set FTTH LC fast connector  Insertion loss: 0.2dB for UPC  Cable applicable: 31. x 2.0 mm drop cable  Material: plastic  Single-mode or Multi-mode  Fiber counts: simplex or duplex  Wavelength: 1310/550nm</p>	
		<b>(SE) Sub-Total</b>	
44	63 units	<b>Windows Antivirus</b>	

		Windows antivirus plus Up to 3 device 2 years subscription Includes: 1x DVD installer 1x Product Key	
45	12 units	<b>Workspace google business standard</b> workspace from one hundred zero, business and government standard software for better life of office staff	
46	44 units	<b>Office Productivity Suite Family multiple device</b> annual	
47	2 units	<b>Virtual private server software</b> Specifications design: with physical stuff, Operating System: linux and iOS based ,ceramic Shield front Textured matte glass back and stainless steel design / 256GB storage <sup>1</sup> 8GB unified memory / 24-inch 4.5K eye display processor: bionic a16 chip, 16 core neural engine Memory: LPDDR5 16GB / Storage: UFS3.1 512 gb retina xdr display, six point seven -inch all-screen oledc, 2796-by-1290-pixel resolution at 460 ppi Rear sensor: 48 mp Main: 24 mm, f/1.78 aperture, second-generation Front sensor: 12 mp. mm film camera Navigation: GNSS support GPS (L1/L5), Glonass (L1), Galileo (E1/E5a), BeiDou(B1i/B1c/B2a), QZSS (L1/L5) and NavIC	
48	2 units	<b>Agisoft Metashape Standard Edition</b>	
		<ul style="list-style-type: none"> <li>a. Certificate of Availability of Stocks</li> <li>b. Certificate of Authority to Supply and Bid from the Source</li> <li>c. Picture or Brochure of the product being offered</li> <li>d. Availability of Authorized Service Center within Bicol Region</li> <li>e. Certificate of Dealership from the Principal Vendor of the brand being offered</li> <li>f. Certificate of Warranty that Supplier should replace defective equipment/items at least one (1) month after delivery</li> <li>g. BIR Registration</li> <li>h. Latest Income Tax Return</li> <li>i. Latest VAT Payment</li> <li>j. Performance Evaluation Report of Single Largest Completed Contract (SLCC) duly signed by the end-user with the approval of the Director or RTD for government contract and with the approval of the highest ranking official for private contract</li> <li>k. Attachment of SLCC [Notice of Award, Contract or PO, Notice to Proceed and Inspection and Acceptance (COA Form)(if government), For Private: Contract/PO and Delivery Receipt with Proof of Acceptance]</li> </ul>	
<b>*Bidder/s may attach the above mentioned documents but not be a ground for disqualification during the <u>bid opening</u>.</b>			

I hereby commit to comply and deliver all the above requirements in accordance with above technical specifications.

Signature over Printed Name of Authorized Representative \_\_\_\_\_

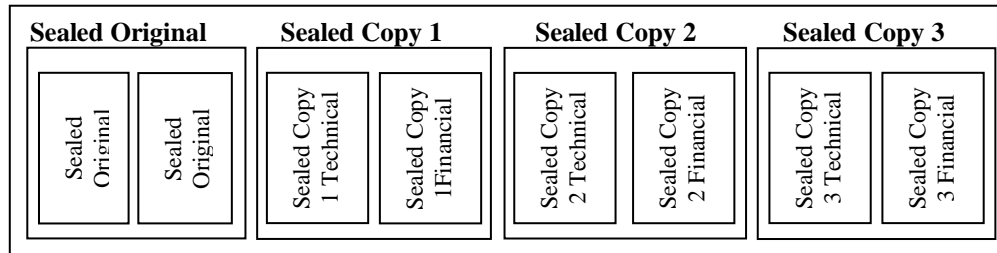
Date: \_\_\_\_\_

***Section VIII. Checklist of Technical and  
Financial Documents***

# Checklist of Technical and Financial Documents

**Each Bidder shall submit one (1) Original copy of the first and second component of its Bid. The Procuring entity is requesting an additional three (3) hard copies of the bid.**

**Sealed Original, Copy 1, Copy 2& 3 in one (1) Single Envelope**



**All copies shall be marked Certified True Copy & signed by the bidder or its duly authorized representative.**

**Additional instructions:** All copies must be marked with index/ear tabs or side-end tabs to identify the page components and shall be properly addressed to the **BAC Chairperson**.

## I. TECHNICAL COMPONENT ENVELOPE

### *Class "A" Documents*

#### Legal Documents

- (a) Valid PhilGEPS Registration Certificate (Platinum Membership) (all pages) in accordance with Section 8.5.2 of the IRR;

#### Technical Documents

- (b) Statement of the prospective bidder of all its ongoing government and private contracts, including contracts awarded but not yet started, if any, whether similar or not similar in nature and complexity to the contract to be bid; **and**
- (c) Statement of the bidder's Single Largest Completed Contract (SLCC) similar to the contract to be bid, except under conditions provided for in Sections 23.4.1.3 and 23.4.2.4 of the 2016 revised IRR of RA No. 9184, within the relevant period as provided in the Bidding Documents; **and**
- (d) Original copy of Bid Security. If in the form of a Surety Bond, submit also a certification issued by the Insurance Commission;  
**or**  
Original copy of Notarized Bid Securing Declaration; **and**
- (e) Conformity with the Technical Specifications, which may include production/delivery schedule, manpower requirements, and/or after-sales/parts, if applicable; **and**
- (f) Original duly signed Omnibus Sworn Statement (OSS); **and** if applicable, Original Notarized Secretary's Certificate in case of a corporation, partnership, or cooperative; or Original Special Power of

Attorney of all members of the joint venture giving full power and authority to its officer to sign the OSS and do acts to represent the Bidder.

**Financial Documents**

- (g) The prospective bidder's computation of Net Financial Contracting Capacity (NFCC);  
**or**  
A committed Line of Credit from a Universal or Commercial Bank in lieu of its NFCC computation.

***Class "B" Documents***

- (h) If applicable, a duly signed joint venture agreement (JVA) in case the joint venture is already in existence;  
**or**  
duly notarized statements from all the potential joint venture partners stating that they will enter into and abide by the provisions of the JVA in the instance that the bid is successful.

**Other documentary requirements under RA No. 9184 (as applicable)**

- (i) *[For foreign bidders claiming by reason of their country's extension of reciprocal rights to Filipinos]* Certification from the relevant government office of their country stating that Filipinos are allowed to participate in government procurement activities for the same item or product.
- (j) Certification from the DTI if the Bidder claims preference as a Domestic Bidder or Domestic Entity.

**II. FINANCIAL COMPONENT ENVELOPE**

- (a) Original of duly signed and accomplished Financial Bid Form; **and**
- (b) Original of duly signed and accomplished Price Schedule(s).

## ***Section IX. BIDDING FORMS***



## BID FORM

Date : \_\_\_\_\_  
Project Identification No. : \_\_\_\_\_

To: *[name and address of Procuring Entity]*

Having examined the Philippine Bidding Documents (PBDs) including the Supplemental or Bid Bulletin Numbers *[insert numbers]*, the receipt of which is hereby duly acknowledged, we, the undersigned, offer to *[supply/deliver/perform]* *[description of the Goods]* in conformity with the said PBDs for the sum of *[total Bid amount in words and figures]* or the total calculated bid price, as evaluated and corrected for computational errors, and other bid modifications in accordance with the Price Schedules attached herewith and made part of this Bid. The total bid price includes the cost of all taxes, such as, but not limited to: *[specify the applicable taxes, e.g. (i) value added tax (VAT), (ii) income tax, (iii) local taxes, and (iv) other fiscal levies and duties]*, which are itemized herein or in the Price Schedules,

If our Bid is accepted, we undertake:

- a. to deliver the goods in accordance with the delivery schedule specified in the Schedule of Requirements of the Philippine Bidding Documents (PBDs);
- b. to provide a performance security in the form, amounts, and within the times prescribed in the PBDs;
- c. to abide by the Bid Validity Period specified in the PBDs and it shall remain binding upon us at any time before the expiration of that period.

*[Insert this paragraph if Foreign-Assisted Project with the Development Partner:*

Commissions or gratuities, if any, paid or to be paid by us to agents relating to this Bid, and to contract execution if we are awarded the contract, are listed below:

Name and address of agent	Amount	Purpose of Commission or gratuity
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_____		
_____		
_____		

(if none, state "None" ) ]

Until a formal Contract is prepared and executed, this Bid, together with your written acceptance thereof and your Notice of Award, shall be binding upon us.

We understand that you are not bound to accept the Lowest Calculated Bid or any Bid you may receive.

We certify/confirm that we comply with the eligibility requirements pursuant to the PBDs.

The undersigned is authorized to submit the bid on behalf of *[name of the bidder]* as evidenced by the attached *[state the written authority]*.

We acknowledge that failure to sign each and every page of this Bid Form, including the attached Schedule of Prices, shall be a ground for the rejection of our bid.

Name: \_\_\_\_\_

Legal capacity: \_\_\_\_\_

Signature: \_\_\_\_\_

Duly authorized to sign the Bid for and behalf of: \_\_\_\_\_

Date: \_\_\_\_\_

*GPPB Resolution No. 16-2020, dated 16 September 2020*

**Price Schedule for Goods Offered from Abroad**  
*[shall be submitted with the Bid if bidder is offering goods from Abroad]*

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**For Goods Offered from Abroad**

Name of Bidder \_\_\_\_\_ Project ID No. \_\_\_\_\_ Page \_\_\_ of \_\_\_

1	2	3	4	5	6	7	8	9
Item	Description	Country of origin	Quantity	Unit price CIF port of entry (specify port) or CIP named place  (specify border point or place of destination)	Total CIF or CIP price per item  (col. 4 x 5)	Unit Price Delivered Duty Unpaid (DDU)	Unit price Delivered Duty Paid (DDP)	Total Price delivered DDP (col 4 x 8)

Name: \_\_\_\_\_

Legal Capacity: \_\_\_\_\_

Signature: \_\_\_\_\_

Duly authorized to sign the Bid for and behalf of: \_\_\_\_\_

*GPPB Resolution No. 16-2020, dated 16 September 2020*

**Price Schedule for Goods Offered from Within the Philippines**  
**[Shall be submitted with the Bid if bidder is offering goods from within the Philippines]**

**For Goods Offered from Within the Philippines**

Name of Bidder \_\_\_\_\_ Project ID No. \_\_\_\_\_ Page \_\_\_ of \_\_\_

1	2	3	4	5	6	7	8	9	10
Item No.	Description	Country of Origin	Quantity	Unit Price EXW per item	Transportation and all other costs incidental to delivery, per item	Sales and Other taxes payable if contract is awarded per item	Cost of Incidental Services, if applicable, per item	Total Price per unit (col 5+6+7+8)	Total Price delivered Final Destination (col 9) x (col 4)
	<b>1 LOT – VARIOUS ICT</b>								
1	<b>Cloud Core Enterprise Router</b> CPU: 36 cores TLR4-03680 1.2 GHz RAM: 8GB Storage: NAND 1GB OS: Router OS License Level: 6 10/100/1000 Ethernet ports: 8 1G/10G SFP+ ports: 2 M.2 slot: 1 PCIE x4 Memory card slot: 1 micro SD USB ports: 1 USB type A Serial port: 1 RJ45 Supported Input Voltage: 100V - 240V Number of AC inputs: 2 Max Power Consumption 73W with CPU and PCB temperature monitor with rack installation kit		1 unit						
2	<b>Enterprise mapping UAV</b> Aircraft specs: Max wind resistance: 12m/s Max flight time: 45mins / Max hover time: 38mins Max flight distance: 32km GNSS: GPS, Galileo, BeiDou, GLONASS 4/3 inch CMOS 20MP Wide Camera 1/2 inch CMOS 12 MP Tele Camera Omnidirectional binocular vision system, with bottom infrared Occusync 3 Enterprise Video Transmission RC specs: 15km max unobstructed signal range 4 antennas, 2T4R 5.5inches HD 1,000nits 60fps screen / 10-point multitouch 64 GB ROM / approx. 3 hours operating time 3x battery with charging hub Accessories specs: Self-balancing algorithm / Rated 800W dual motor rollers		1 set						

	<p>Torque: 70nm / automated headlight</p> <p>Sensor lighting for signal / iridescent taillight</p> <p>310 Wh battery / 54.3 VDC Max / 59.6 charging voltage</p> <p>Max speed: 18km/hr / 30 km range</p>								
3	<p><b>Presidential portable teleprompter</b></p> <p>Features: strong adjustable stand, max height: 2meters</p> <p>19 inch display, 300 nits screen brightness</p> <p>Self-reversing HD monitor, supports USB, VGA, HDMI, AV video direct input</p> <p>Support PPT, WORD, PDF, JPG, RTF, TXT, etc.</p> <p>Super thin 2mm 60/40 or 7170/30 rate beam splitter</p> <p>Control mode supports wireless remote controller, wireless mouse and keyboard or foot pad</p>		2 units						
4	<p><b>RGB Sensor payload set</b></p> <p>Sensor Specs:</p> <p>R10 Body mirrorless camera</p> <p>Full frame 24.2 MP APS-C CMOS sensor</p> <p>3" LCD monitor</p> <p>4K UHD 6K oversampling and 4K 60p black video</p> <p>AF modes: One-shot AF, Servo AF / Built-in Flash</p> <p>Supported battery: LP-E17 / Supported charger: LC-E17</p> <p>Lens Specs:</p> <p>RF85mm f/2 Macro IS STM</p> <p>78 x 90.5 mm Diameter and Length</p> <p>Gear stepping motor / Image Stabilization</p> <p>w/ lens cap, lens hood and bag</p>		1 set						
5	<p><b>Network backup power supply</b></p> <p>5.5 KW capacity</p> <p>12x 450w panel</p> <p>5.5kw SNADI Hybrid Inverter (Built-in 100A MPPT SCC)</p> <p>12KWHr Deep Cycle Gel Battery</p> <p>Railings and Brackets</p> <p>Wiring, Connectors, Breakers and Pipes</p> <p>With Site Installation on RCMC Bldg</p>		1 set						
6	<p><b>Network expansion cards</b></p> <p>DS1821+ 10Gbps SFP+ 2 port PCIE network expansion card</p> <p>Rack server compatible 10Gbps SFP+ 2 port PCIE network expansion card</p> <p>X520-DA2 chipset 10Gbps SFP+ 2 port PCIE network expansion card</p>		1 set						
7	<p><b>Hypervisor / Storage Server</b></p> <p>CPU: 2x Xeon Bronze 3204, 6-core 6-Threads 1.9GHz</p> <p>RAM: 256GB DDR4 ECC</p> <p>HDD: 8x 4TB 3.5" NAS Grade HDD (up to 18 3.5" HDD)</p> <p>SSD: 2x 512GB NVME SSD</p>		1 unit						

	<p>RAID Controller: Perc H330 (supports IT mode for ZFS)  PSU: 750W Platinum 80+  Network Cards: i350-T4 1GbE 4-port RJ45 NIC  2x 10GbE SFP LOM  iDRAC 9  up to 8 PCIe Gen 3 Slots</p>								
8	<p><b>Kobo data collection equipment</b>  OS: Android 12  CPU: Dimensity 9000+  Graphics: Mali-G710  Memory: LPDDR5X 16GB  Storage: UFS 3.1 512GB  Display: 6.78" 20.4:9 (2448 x 1080) 165Hz / 1ms AMOLED  Corning Gorilla Glass Victus  Delta-E &lt; 1  Main Camera: IMX766 50 MP image sensor - 1/1.56" large sensor size, 1 µm pixel size. F1.9 aperture, 23.8mm equivalent focal length in 35mm film camera  Second Rear Camera: 13 MP, Ultrawide-angle camera, 12.5mm equivalent focal length in 35mm film camera  Third Rear Camera: 5 MP, Macro  Front Camera: 12 MP, 27.5mm equivalent focal length in 35mm film camera  Integrated WiFi 6E* (802.11a/b/g/n/ac/ax, 2x2 MIMO)  Supports 2.4GHz/ 5GHz/ 6GHz WiFi  Bluetooth® 5.3 (HFP + A2DP + AVRCP + HID + PAN + OPP)  Wi-Fi Direct and NFC  Dual slots: 5G*+5G or 4G dual-SIM / dual-standby support  Sensor: In-display fingerprint sensor, face recognition, accelerometer, e-compass, gyroscope, proximity sensor, ambient-light sensor, ultrasonic sensors for Air Trigger 6 and grip press  Battery: 6000 mAh, supports PD charging  Box contains: Aeroactive Cooler 6, USB power adapter (65-Watt), USB-C to USB-C cable, Aero Case and AR Card</p>	6 units							
9	<p><b>Smart ICT Satellite Broadband Device and Annual Subscription</b>  Antenna Specifications:  Type: Electronic Phased Array  Orientation: Motorized Self Orienting  Environmental Rating: IP54  Operating Temperature - 30°C to 50°C (-22°F to 122°F)  Field of View 100°  Average Power Usage 50-75W   Indoor Wi-Fi Specifications:</p>	1 unit							

	<p>Wi-Fi Technology: IEEE 802.11a/b/g/n/ac standards  Chipset: Wi-Fi 5  Radio Dual Band - 3 x 3 MIMO  Security: WPA2  Environmental Rating: IP54, configured for indoor use  Range Up to 185m<sup>2</sup> (2000sqft)  Operating Temperature: -30°C to 50°C (-22°F to 122°F)  with ethernet accessory</p> <p>Inclusion of 1 year subscription</p>								
10	<p><b>16-port SFP+ Switch</b>  16x 10GE SFP+ Slots  1x RJ45 Console Port  1x Micro-USB port  1x Fan  Rack Mountable  100-240 V AC ~50/60 Hz  Max Power Consumption: 32.74W  Switching Capacity: 320Gbps  Packet Forwarding Rate: 238.08 Mpps  MAC Address Table: 32K  Packet Buffer Memory: 24 Mbit  Jumbo Frame: 9 KB  L2 and L2+ features:  - Link Aggregation  - static link aggregation  - 802.3ad LACP  - Up to 8 aggregation groups, containing 8 ports per group  - Spanning Tree Protocol  Zero-Touch Provisioning with app  with rack-mount kit</p>		1 unit						
11	<p><b>24-Port Gigabit POE+ and 4-Port 10GE SFP+</b>  Specifications:  24x 10/100/1000 Mbps RJ45 Ports  4x 10G SFP+ Slots  1x RJ45 Console Port  1x Micro-USB port  2x Fan  Rack Mountable  24 PoE ports, up to 30W per port  802.3at/af Standard  Power Budget: 384W  100-240 V AC ~50/60 Hz  Max Power Consumption: 34.4W idle, 465.8W with 384W PD device connected  Switching Capacity: 128Gbps  Packet Forwarding Rate: 95.23 Mpps  MAC Address Table: 16K  Packet Buffer Memory: 12 Mbit  Jumbo Frame: 9 KB  L2 and L2+ features:  - Link Aggregation  - static link aggregation  - 802.3ad LACP  - Up to 8 aggregation groups, containing 8 ports per group  - Spanning Tree Protocol  Zero-Touch Provisioning with app  with rack-mount kit</p>		2 units						

	<p>Accessories:  Prefabricated rolled steel tower hub (10 meters)  Tri-footing to be installed on RCMC Bldg and FOD Bldg.</p>								
12	<p><b>Fiber Optic Automatic Fusion Splicer Machine</b>  Model: AI-9 Fusion Splicer  Applicable Fibers: SM (G.652&amp;G.657), MM (G.651), DS(G.657), NZDS (G.655)  Splice Loss: 0.025dB (SM) , 0.01dB (MM) 0.04dB (DS/NZDS)  Focus mode: 6 motors Auto focus  Fiber alignment: Core/cladding alignment Manual alignment  Typical splicing time: 5S  Typical heating time: 15S - Fast heating function, heating time can be set . Automatic heating (Preheating), heating programs (max.10)  Control technology: Real-time control and calibration of fusion ARC  Splicing Mode: Normal / high precision splicing (splicing programs max 100)  Splicing method: Fully automatic, step by step splicing  Splicing record storage: Synchronize to the phone, the server to cloud storage unlimited  Built-in battery: 7800 mAh high-capacity lithium battery, charging time≤3.5 hours, continuous splicing and heating about 240 times  Includes: Toolbox, heavy duty stool, wire-stripper pliers, built-in power meter and VFL, other accessories</p>		1 unit						
13	<p><b>Dual AIO desktop</b>  Two units of:  22 inches display  CPI: 3.20GHz max, 2-cores 4-threads  16GB RAM DDR3  512GB SSD Hard drive  Keyboard, mouse, mousepad, camera</p>		3 sets						
14	<p><b>Field Monitoring and Base AIO Set</b>  One unit Desktop AIO:  Specifications:  CPU: Core-i3  RAM: 8GB  HDD: 128GB  Monitor: 20 inches with keyboard, mouse, webcam and mousepad  Two units Laptop:  Specifications:  CPU: Celeron J4125  RAM: 8GB  HDD: 256GB  Monitor: 15.8 inches FHD with laptop cover, mouse and mousepad</p>		5 sets						



	<b>(CO) Sub-Total</b>								
15	<b>NAS grade HDD 16TB</b> Model: WD101EFBX Recording Technology: CMR Interface: SATA 6 Gbps Capacity: 10TB Form Factor: 3.5 inches Internal transfer rate: 215 MBps Cache: 256 MB RPM: 7200		10 units						
16	<b>Omada hardware controller</b> Centralized management up to 500 Omada access points, 100 Jetstream switches and 100 Omada routers and up to 15,000 clients Cloud access ready, L3 Management and Multi-site Management 2x 10/100/1000 Mbps Ethernet Ports 1x USB 3.0 port 100-240V ~50/60Hz. 0.6A		2 unit						
17	<b>8 port 10GbE switch</b> Standards and Protocols: IEEE 802.3, 802.3u, 802.3ab, 802.3x, 802.1p, 802.3an, 802.3bz Interface: 8x 100Mbps/1Gbps/2.5Gbps/5Gbps/10Gbps Ports, Auto-Negotiation, Auto-MDI/MDIX Fan Quantity: 1 smart fan with adjustable speed External Power Supply: 100-240 VAC, 50/60 Hz, 0.8A LED Indicator: 1 Power, 1 Link and Activity per port Dimensions: (WxDxH) 11.6x7.1x1.7 inches Max Power Consumption: 31.2 W Switching Capacity: 160 Gbps Packet Forwarding Rate: 119.0 Mpps MAC Address Table: 32 K Packet Buffer Memory: 2 Mb Jumbo Frame: 10 KB 802.3X Flow Control 802.1p/DSCP QoS Transfer Method: Store and Forward with rackmount kit		2 units						
18	<b>8-Port 2.5Gbase-T switch</b> 8x 100/1000/2500 Mbps RJ45 ports 2x 10G SFP+ Slots 1x RJ45 Console Port 1x Micro-USB port 2x Fan 100-240 V AC ~50/60 Hz PoE Ports (RJ45) - Standard: 802.3at/af compliant - PoE+ Ports: 8 ports - PoE Power Budget: 240W Max Power Consumption: - 17.2W idle - 291.5W with 240W power devices connected Switching Capacity: 80Gbps		2 units						

	<p>Packet Forwarding Rate: 59.52 Mpps  MAC Address Table: 16K  Packet Buffer Memory: 12 Mbit  Jumbo Frame: 9 KB  Zero-Touch Provisioning with OMADA  with rack-mount kit</p>								
19	<p><b>AX1800 Wall Plate Wi-Fi 6 Access Point</b>  Interface:  Uplink: 1x 10/100/1000Mbps Ethernet Port  Downlink: 3x 10/100/1000Mbps Ethernet Port  1 port supports 802.3at PoE+, max 12W  Physical security lock and reset button  Power: 802.3af/at PoE  2 Dual-band antennas  2.4GHz: 2x 3dBi  5 GHz: 2x 4dBi  Wall plate mounting  Wireless Features:  Wireless Client Capacity: 100+  Wireless Standards: IEEE 802.11ax/ac/n/g/b/a  Frequency: 2.4GHz and 5GHz  Signal Rate:  2.4GHz: up to 574Mbps  5 GHz: up to 1201Mbps  Supports Zero-touch provisioning via App</p>		5 units						
20	<p><b>AX1800 Ceiling Mount Wi-Fi 6 Access Point</b>  Interface: 1x Gigabit Ethernet (RJ45) port  Power: 802.3af/at PoE, 48V Passive PoE and 12V / 1.5A DC  Power Consumption: 14.9W for PoE, 13.4W for DC  Internal Omni Antenna:  2.4GHz: 2x 4dBi  5 GHz: 2x 5dBi  Ceiling/Wall plate mounting (kit included)  Wireless Features:  Wireless Standards: IEEE 802.11ax/ac/n/g/b/a  Frequency: 2.4GHz and 5GHz  Signal Rate:  2.4GHz: up to 574Mbps  5 GHz: up to 1201Mbps  Supports Zero-touch provisioning via App</p>		4 units						
21	<p><b>AX1800 Indoor/Outdoor WiFi 6 Access Point</b>  Interface: 1x Gigabit Ethernet (RJ45) port  Power: 802.3at PoE, 48V/0.5A Passive PoE  Power Consumption: 14.7W  Internal Omni Antenna:  2.4GHz: 2x 4dBi  5 GHz: 2x 5dBi  Pole/Wall Mounting (kit included)  IP67 Weatherproof Enclosure  Wireless Features:  Wireless Standards: IEEE 802.11ax/ac/n/g/b/a  Frequency: 2.4GHz and 5GHz</p>		2 units						

	<p>Signal Rate:</p> <p>802.11ax: 8 Mbps to 1201 Mbps (MCS0-MCS11, NSS = 1 to 2 HE20/40/80)</p> <p>802.11ac: 6.5 Mbps to 867 Mbps (MCS0-MCS9, NSS = 1 to 2 VHT20/40/80)</p> <p>802.11n: 6.5 Mbps to 300 Mbps (MCS0-MCS15, VHT 20/40)</p> <p>802.11g: 6, 9, 12, 18, 24, 36, 48, 54 Mbps</p> <p>802.11b: 1, 2, 5.5, 11 Mbps</p> <p>802.11a: 6, 9, 12, 18, 24, 36, 48, 54 Mbps</p> <p>Captive Portal Authentication, ACLs, SSID to VLAN Mapping</p> <p>Supports Zero-touch provisioning with App</p>								
22	<p><b>8-port switch with 4-port POE</b></p> <p>Hardware Specs:</p> <p>Standards and Protocols: IEEE 802.3i, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3ad, IEEE 802.3af, IEEE 802.3at, IEEE 802.3x, IEEE 802.1d, IEEE 802.1s, IEEE 802.1w, IEEE 802.1q, IEEE 802.1p, IEEE 802.1x</p> <p>Interface: 8x 10/100/1000 Mbps RJ45 Ports (Ports 1-4 Support 802.3at/af PoE+) and Auto-Negotiation/Auto MDI/MDIX</p> <p>Network Media: 10BASE-T: UTP category 3,4,5 cable (maximum 100m) and 100BASE-TX/1000Base-T: UTP Category 5, 5E or above (maximum 100m)</p> <p>Power Supply: External Power Adapter (Output: 53.5 VDC/1.3A)</p> <p>Power Consumption: 7.9W (no power device connected); 79.2W (with 62W power devices connected)</p> <p>PoE Ports (RJ45): Standard: 802.3af/at compliant, 4 ports, up to 62W</p> <p>Performance:</p> <p>Bandwidth/Backplane: 16Gbps</p> <p>MAC Address Table: 8K</p> <p>Packet Buffer Memory: 4.1Mbit</p> <p>Jumbo Frame: 9KB</p> <p>Software Features:</p> <p>Support VLANs, DHCP Snooping, ACLs</p> <p>Zero-touch Provisioning with App</p>		2 units						
23	<p><b>AX5400 Ceiling Mount WiFi 6 Access Point</b></p> <p>Interface: 1x 2.5 Gigabit Ethernet (RJ45) port</p> <p>Power: 802.3at PoE and 12V / 1.5A DC</p> <p>Power Consumption: 19.8W</p> <p>Internal Omni Antenna:</p> <p>2.4GHz: 2x 4dBi</p> <p>5 GHz: 4x 5dBi</p> <p>Ceiling/Wall plate mounting (kit included)</p> <p>Wireless Features:</p>		2 units						

	<p>Wireless Client Capacity: 250  Wireless Standards: IEEE 802.11ax/ac/n/g/b/a  Frequency: 2.4GHz and 5GHz  Signal Rate:  2.4GHz: up to 574Mbps  5 GHz: up to 4804Mbps  Supports Zero-touch provisioning w/ App</p>								
24	<p><b>Outdoor CPE Point-to-Point</b>  Processor: 750MHz CPU, MIPS 74Kc  Memory: 128 MB DDR2 RAM, 16 MB Flash  Interface: 1x 10/100/1000 Mbps Shielded Ethernet Port (LAN/POE), 1 reset button  Power Supply: Passive PoE via LAN (+4,5pins; -7,8 pins), 16-27V DC  Antenna Gain: 23dBi  Antenna Beamwidth: 9° (Azimuth)/7° (Elevation)  Protection: 15 KV ESD Protection; 6 KV Lightning Protection  Enclosure: IP65 water and dust proof stabilized plastic  Wireless Standards: IEEE 802.11a/n/ac  Wireless Speeds:  Up to 867 Mbps (80 MHz, Dynamic)  Up to 400 Mbps (40 MHz, Dynamic)  Up to 173.4 Mbps (20 MHz, Dynamic)  Frequency: 5.15-5.85 GHz  Transmit Power: Max. 27 dBm (Adjustable power by 1dBm)  Network Configuration:  WAN: Static/ Dynamic/ PPPoE  LAN: Static/ Dynamic/ DHCP  Forwarding: ALG/ UPnP/ Virtual Server/ Port Trigger  Security: SPI Firewall/ Ping Forbidden/ DoS Protection  Access Control  Static Routing  Bandwidth Control  IP &amp; MAC Binding  Discovery and Remote Management w/ app</p>	10 units							
25	<p><b>SFP+ LR Transceiver</b>  Model: TL-SM5110-LR  DDM, SFP-MSA, Hot Swappable  Standards and Protocols: IEEE 802.3ae, TCP/IP  Wave length: 1310 nm  Power Supply: 3.3V  Fiber Type: 9/125micrometer Single-Mode  Max. Cable Length: 10km  Data Rate: 10Gbps  Port Type: LC Duplex</p>	4 units							
26	<p><b>SFP Transceiver A</b>  Model: TL-SM321A-2  DDM, SFP-MSA, Hot Swappable  Standards and Protocols: IEEE 802.3z, TCP/IP</p>	3 units							

	Wave length: Tx: 1550nm; Rx: 1310nm Power Supply: 3.3V Fiber Type: 9/125micrometer Single-Mode Max. Cable Length: 2km Data Rate: 1.25Gbps Port Type: LC Simplex								
27	<b>SFP Transceiver B</b> Model: TL-SM321B-2 DDM, SFP-MSA, Hot Swappable Standards and Protocols: IEEE 802.3z, TCP/IP Wave length: Tx: 1310nm; Rx: 1550nm Power Supply: 3.3V Fiber Type: 9/125micrometer Single-Mode Max. Cable Length: 2km Data Rate: 1.25Gbps Port Type: LC Simplex		3 units						
28	<b>SFP+ Direct Attach Cable 3 meters</b> Model: TL-SM5220-3M Data Rate: 10Gbps Conductor: Silver Plated Copper		2 units						
29	<b>SFP+ Direct Attach Cable 1 meter</b> Model: TL-SM5220-1M Data Rate: 10Gbps Conductor: Silver Plated Copper		4 units						
30	<b>Fiber Cleaver FTTH Optic Fiber Cutter</b> Model: AUA-60S Fiber Diameter: 125micrometer Coating Diameter: 250micrometer - 900micrometer Cutting length for optical fiber: 10mm Cleaver dimensions: 63x76x60 mm (W x D x H) Weight: 272g with cutting knife, knife adjustment wrench and anti-drop bag		1 unit						
31	<b>FTTH Fiber Optic Toolkit</b> 1 X optic power meter 1 X 5km visual locator 1 X FC-6s fiber cleaver 1 X 160ml bottle for isopropyl alcohol 1 X SC adaptor 5 X Battery 1 X Wire stripper 1 X FTTH crimper 1 X anti-drop bag for cleaver 1 X hand bag		2 sets						
32	<b>FTTH Fiber optic drop wire 2KM</b> FTTH Self Supporting Butterfly Cable (G657) 3 steel, dual core Single Mode 2 KM length Fiber Type: 9/125micrometer Wavelength: 1310, 1550nm Low Fiber Insertion Loss <= 0.3 Light attenuation <= 0.3dB Return Loss >= 50dB		1 unit						

33	<p><b>Portable Power Station</b></p> <ul style="list-style-type: none"> <li>•72000mah (230Wh )capacity lithium iron phosphate battery</li> <li>•2-USB QC output ports support 65W PD3.0 2 way fast charging protocol</li> <li>•AC220V AC outlet with maximum capacity of 300W</li> <li>• 2 outputs DC5.5 12V/10A</li> <li>•Support 12V input port, can use the solar panel to recharge the battery for the charging station</li> <li>•Integrated multi-function LED: illuminates and emits SOS signals.</li> </ul> <p>Model: EN300WLPD  AC Output:300W (AC 220V-50Hz, Sine Wave)  Battery power: 230Wh (TYP)  Battery capacity: 72000mAh (Lithium Ion Phosphate Cell)  Power Rate of Flashlight: 3W  12V Input: 12-24-1A-5A (Max 60W)  12V Output:12V-6A (DC 1+ DC 2)  USB-C input: DC5V-3A/9V-3A/12V-3A/15V-3A/20V-3.25A  USB-C output: DC5V-3A/9V-2A/12V-3A/15V-3A/20V-3.25A  USB-1 output: DC5V-3A/9V-2A/12V-1.5A  USB 2 Output: DC5V-3A/9V-2A/12V-1.5A  Total Output:5V-4A (USB 1 + USB 2)  Dimensions: 268x110x185mm (about)  Weight: 3092g (about)</p>		2 units						
34	<p><b>Pure sinewave Power Station</b></p> <p>Function:  Quick Charge Support, LED Display, Two-way Quick Charge, Fast Charging, Convenient, PD Charging, Rechargeable, Flashlight, Fast Charger, Flexible, Durable, With Led Light, Multi-function, High Quality, Storage, Fashion, Large Capacity, Type-c Power Bank, Protection, New, High Speed</p> <p>Specification:</p> <ul style="list-style-type: none"> <li>• Model: EN1000S</li> <li>• Battery power: 1100Wh</li> <li>• Battery Capacity: 297600Ah/3.7V</li> <li>• Input 1: (12-24V)5A 100W (Max)</li> <li>• Input 2: (12-24V)5A 100W (Max)</li> <li>• Input 3: 16.8 12V 200W (Max)</li> <li>• PD Input: 60W</li> <li>• Total Input: 100W+100W+200W (Max)</li> <li>• Output AC: (220V/50-60Hz pure sine wave) 1000W Max</li> <li>• Output USB-1: 5V-2.4A</li> <li>• Output USB-2(3): ((5-12V) 18W max, QC3.0 Built-in</li> </ul>		1 unit						

	<ul style="list-style-type: none"> <li>• Output Type-C1: 5V-4A 9V-2.22A 12V-1.67A</li> <li>• Output Type-C2: (5.*20V)60W Max</li> <li>• Output DC: 12V-10A (Share with cigar lighter)</li> <li>• Output Cigar Lighter: 12V-12A</li> <li>• LED Power: 5W (low,High,SOS, Flash Mode)</li> <li>• Dimensions: 192x303x192mm</li> <li>• Weight: 11800g</li> </ul>								
35	<p><b>Multi-function Printer</b></p> <p><b>SPECIFICATIONS</b></p> <ul style="list-style-type: none"> <li>• Printer Type: Print, Scan, Copy</li> <li><b>Printing Technology:</b></li> <li>• Print Method: On-demand inkjet (Piezoelectric)</li> <li>• Printer Language: ESC/P-R, ESC/P Raster</li> <li>• Nozzle Configuration: 180 x 1 nozzles Black, 59 x 1 nozzles per Colour (Cyan, Magenta, Yellow)</li> <li>• Maximum Resolution: 4800x600 dpi</li> <li><b>Print Speed:</b></li> <li>• Photo Default - 10 x 15 cm / 4 x 6 " *1: Approx. 69 sec per photo (Border) / 90 sec per photo (Borderless)*2</li> <li>• Draft, A4 (Black / Colour): Up to 33.0 ppm / 15.0 ppm*2</li> <li>• ISO 24734, A4 Simplex (Black / Colour): Up to 10.0 ipm / 5.0 ipm*2</li> <li>• First Page Out Time from Ready Mode (Black / Colour): Approx. 10 sec / 16 sec*2</li> </ul>		15 units						
36	<p><b>ICT spherical rgb sensor device</b></p> <p>Photo Resolution: 360deg: 72MP (11968x5984), 18MP (5952x2976)</p> <p>Internal/External Stitching: Internal Stitching</p> <p>Number of Lenses: 2</p> <p>Focal Length: 6.9mm</p> <p>Maximum Aperture: f/2</p> <p>ISO Sensitivity: Video, 100 to 3200 in Auto Mode</p> <p>Sensor Type: 1/2.3" CMOS Sensor</p> <p>Display Type: Fixed</p> <p>Touchscreen LCD• Size: 2.29"</p> <p>Waterproof Depth Rating: IPX8 1,500cm in 90minutes</p> <p>Built-In Mic: Yes• Video Coding: H.264, H.265</p> <p>Video Bitrate: 100Mbps•</p> <p>Gyroscope: 6-axis gyroscope</p> <p>Audio: Stereo audio with optional wind-noise reduction, 360 audio (ambisonic)</p> <p>Bluetooth: BLE 4.2</p> <p>Wi-Fi: 802.11a/b/g/n/ac</p> <p>Battery: Lithium-Ion Polymer, 1800 mAh</p>		1 unit						

	<p>Charging Method: USB Type-C• Charging Time: 85 minutes</p> <p>Run Time: 8K@30fps – 80 minutes"</p>								
37	<p>Technology assistant nest hub Chromecast built-in, Quick Gestures Mic &amp; camera switch Virtual stereo design w/ 2 tweeters and one woofer Far-field microphones Ultrasound sensing Voice Match technology Ambient EQ light sensor 2.4 GHz 802.15.4 Thread support</p> <p>Display 7"</p>		2 units						
38	<p><b>ICT working surface tech</b></p> <ul style="list-style-type: none"> <li>• Red Green Blue light emitting diodes aura</li> <li>• Adjustable hydrau-height</li> <li>• Dimension</li> </ul> <p>1.5mx770cmx750-880cm</p> <ul style="list-style-type: none"> <li>• Material carbon fiber alum</li> <li>• PC-AV connection easy convinient controls</li> </ul> <ul style="list-style-type: none"> <li>• Ergonomic ICT surface multifunction designs</li> </ul>		2 units						
39	<p><b>Data gathering equipment tool</b></p> <p>Model: +3l3g0 RAM: 2GB, 1333 MHz Storage: 16GB, Display: 6.6", IPS, 1080 x 2280 pixels, 24 bit Camera: 4032 x 3024 pixels, 1920 x 1080 pixels, 30 fps Battery: 3500 mAh, Li-Polymer</p>		15 units						
40	<p><b>Inkjet Printer</b></p> <p><b>SPECIFICATIONS</b></p> <ul style="list-style-type: none"> <li>• Technology <ul style="list-style-type: none"> <li>• Printing Method: Micro Piezo™ print head</li> <li>• Nozzle Configuration: 180 Nozzles Black, 59 Nozzles per Color</li> <li>• Minimum Droplet Size: 3 pl</li> <li>• Ink Technology: Dye Ink</li> <li>• Printing Resolution: 720 x 720 DPI</li> <li>• Category: Home, Office Desktop</li> </ul> </li> <li>• Print <ul style="list-style-type: none"> <li>• Printing Speed ISO/IEC 24734: 9 pages/min Monochrome, 4.8 pages/min Colour</li> <li>• Colours: Black, Cyan, Yellow, Magenta</li> </ul> </li> <li>• Paper/Media Handling</li> </ul>		15 units						



	<ul style="list-style-type: none"> <li>• Number of paper trays: 1</li> <li>• Paper Formats A4 (21.0x29.7 cm), Letter, User defined, Legal</li> <li>• Duplex: Manual</li> <li>• Print Margin: 3 mm top, 3 mm right, 3 mm bottom, 3 mm left (Wherever margin is defined. Otherwise 3mm top, left, right, bottom.)</li> <li>• Output Tray Capacity: 30 Sheets</li> <li>• multifunction: 50 Sheets Standard</li> <li>• Media Handling: Manual duplex</li> <li>• General <ul style="list-style-type: none"> <li>• Energy Use: 0.6 Watt (sleep mode), 10 Watt (Printing), 2 Watt (Ready), 0.3 Watt (Power off)</li> <li>• Supply Voltage: AC 220 V - 240 V</li> <li>• Noise Level: 6.6 B (A) with Epson Premium Glossy Photo Paper / Photo RPM mode - 53 dB (A) with Epson Premium Glossy Photo Paper / Photo RPM mode</li> <li>• Compatible Operating Systems: Mac OS 10.5.8 or later, Windows 10, Windows 7, Windows 8, Windows 8.1, Windows Vista, Windows XP</li> <li>• Interfaces: USB</li> <li>• Power supply: 220V, 240V</li> <li>• Colour: Black</li> </ul> </li> </ul> <p><b>FEATURES</b></p> <ul style="list-style-type: none"> <li>• quality: Purpose-built, refillable ink tank</li> <li>• Peace of mind: warranty</li> <li>• Compact design: Small footprint ideal for home use</li> <li>• Value for money: Ultra-low-cost per page</li> <li>• User-friendly: Hassle-free with simple set-up</li> </ul> <p><b>DIMENSIONS</b></p> <ul style="list-style-type: none"> <li>• Product dimensions: 461 x 215 x 130 mm (Width x Depth x Height)</li> </ul> <ul style="list-style-type: none"> <li>• Product weight: 2.4 kg</li> </ul>								
41	<p><b>FTTH Fiber optic drop wire 2KM</b></p> <p>FTTH Self Supporting Butterfly Cable (G657)</p> <p>Single Mode, Dual Core</p> <p>2 KM length</p> <p>Fiber Type: 9/125micrometer</p> <p>Wavelength: 1310, 1550nm</p> <p>Low Fiber Insertion Loss &lt;= 0.3</p>		1 unit						

	Light attenuation <= 0.3dB Return Loss >= 50dB								
42	<b>FTTX OTDR Five-in-one Tester</b> FTTX Optical Time Domain Reflectometer Fiber Breakpoint Detection Single Mode Event Map OPM VFL OLS dust-proof and water-proof  2,6 inch screen, save data in SOR format		1 unit						
43	<b>FTTH LC/UPC Connector</b> 10 pcs/set FTTH LC fast connector Insertion loss: 0.2dB for UPC Cable applicable: 31. x 2.0 mm drop cable Material: plastic Single-mode or Multi-mode Fiber counts: simplex or duplex  Wavelength: 1310/550nm		4 sets						
	<b>(SE) Sub-Total</b>								
44	<b>Windows Antivirus</b> Windows antivirus plus Up to 3 device 2 years subscription Includes: 1x DVD installer  1x Product Key		63 units						
45	<b>Workspace google business standard</b> workspace from one hundred zero, business and government standard software for better life of office staff		12 units						
46	<b>Office Productivity Suite Family multiple device annual</b>		44 units						
47	<b>Virtual private server software</b>		2 units						

	Specifications design: with physical stuff, Operating System: linux and iOS based ,ceramic Shield front Textured matte glass back and stainless steel design / 256GB storage <sup>1</sup> 8GB unified memory / 24-inch 4.5K eye display processor: bionic a16 chip, 16 core neural engine Memory: LPDDR5 16GB / Storage: UFS3.1 512 gb retina xdr display, six point seven -inch all-screen oledc, 2796-by-1290-pixel resolution at 460 ppi Rear sensor: 48 mp Main: 24 mm, f/1.78 aperture, second-generation Front sensor: 12 mp. mm film camera Navigation: GNSS support GPS (L1/L5), Glonass (L1), Galileo (E1/E5a), BeiDou(B1i/B1c/B2a), QZSS (L1/L5) and NavIC								
48	Agisoft Metashape Standard Edition		2 units						
	<b>(CS) Sub-Total</b>								

Name: \_\_\_\_\_

Legal Capacity: \_\_\_\_\_

Signature: \_\_\_\_\_

Duly authorized to sign the Bid for and behalf of: \_\_\_\_\_

*GPPB Resolution No. 16-2020, dated 16 September 2020*

**Bid Securing Declaration Form**  
*[shall be submitted with the Bid if bidder opts to provide this form of bid security]*

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REPUBLIC OF THE PHILIPPINES)  
CITY OF \_\_\_\_\_) S.S.

**BID SECURING DECLARATION**  
**Project Identification No.: *[Insert number]***

To: *[Insert name and address of the Procuring Entity]*

I/We, the undersigned, declare that:

1. I/We understand that, according to your conditions, bids must be supported by a Bid Security, which may be in the form of a Bid Securing Declaration.
2. I/We accept that: (a) I/we will be automatically disqualified from bidding for any procurement contract with any procuring entity for a period of two (2) years upon receipt of your Blacklisting Order; and, (b) I/we will pay the applicable fine provided under Section 6 of the Guidelines on the Use of Bid Securing Declaration, within fifteen (15) days from receipt of the written demand by the procuring entity for the commission of acts resulting to the enforcement of the bid securing declaration under Sections 23.1(b), 34.2, 40.1 and 69.1, except 69.1(f), of the IRR of RA No. 9184; without prejudice to other legal action the government may undertake.
3. I/We understand that this Bid Securing Declaration shall cease to be valid on the following circumstances:
  - a. Upon expiration of the bid validity period, or any extension thereof pursuant to your request;
  - b. I am/we are declared ineligible or post-disqualified upon receipt of your notice to such effect, and (i) I/we failed to timely file a request for reconsideration or (ii) I/we filed a waiver to avail of said right; and
  - c. I am/we are declared the bidder with the Lowest Calculated Responsive Bid, and I/we have furnished the performance security and signed the Contract.

IN WITNESS WHEREOF, I/We have hereunto set my/our hand/s this \_\_\_\_ day of *[month]* *[year]* at *[place of execution]*.

*[Insert NAME OF BIDDER OR ITS AUTHORIZED REPRESENTATIVE]*  
*[Insert signatory's legal capacity]*  
Affiant

**[Jurat]**  
*[Format shall be based on the latest Rules on Notarial Practice]*

**Contract Agreement Form for the Procurement of Goods (Revised)**  
***[Not required to be submitted with the Bid, but it shall be submitted within ten (10) days after receiving the Notice of Award]***

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**CONTRACT AGREEMENT**

THIS AGREEMENT made the \_\_\_\_\_ day of \_\_\_\_\_ 20\_\_\_\_ between [name of PROCURING ENTITY] of the Philippines (hereinafter called “the Entity”) of the one part and [name of Supplier] of [city and country of Supplier] (hereinafter called “the Supplier”) of the other part;

WHEREAS, the Entity invited Bids for certain goods and ancillary services, particularly [brief description of goods and services] and has accepted a Bid by the Supplier for the supply of those goods and services in the sum of [*contract price in words and figures in specified currency*] (hereinafter called “the Contract Price”).

NOW THIS AGREEMENT WITNESSETH AS FOLLOWS:

1. In this Agreement words and expressions shall have the same meanings as are respectively assigned to them in the Conditions of Contract referred to.
2. The following documents as required by the 2016 revised Implementing Rules and Regulations of Republic Act No. 9184 shall be deemed to form and be read and construed as integral part of this Agreement, *viz.*:
  - i. Philippine Bidding Documents (PBDs);
    - i. Schedule of Requirements;
    - ii. Technical Specifications;
    - iii. General and Special Conditions of Contract; and
    - iv. Supplemental or Bid Bulletins, if any
  - ii. Winning bidder’s bid, including the Eligibility requirements, Technical and Financial Proposals, and all other documents or statements submitted;  
  
Bid form, including all the documents/statements contained in the Bidder’s bidding envelopes, as annexes, and all other documents submitted (*e.g.*, Bidder’s response to request for clarifications on the bid), including corrections to the bid, if any, resulting from the Procuring Entity’s bid evaluation;
  - iii. Performance Security;
  - iv. Notice of Award of Contract; and the Bidder’s conforme thereto; and
  - v. Other contract documents that may be required by existing laws and/or the Procuring Entity concerned in the PBDs. **Winning bidder agrees that additional contract documents or information prescribed by the GPPB that are subsequently required for submission after the contract execution, such as the Notice to Proceed, Variation Orders, and Warranty Security, shall likewise form part of the Contract.**
3. In consideration for the sum of [*total contract price in words and figures*] or such other sums as may be ascertained, [*Named of the bidder*] agrees to [*state the object of the contract*] in accordance with his/her/its Bid.

4. The *[Name of the procuring entity]* agrees to pay the above-mentioned sum in accordance with the terms of the Bidding.

IN WITNESS whereof the parties hereto have caused this Agreement to be executed in accordance with the laws of the Republic of the Philippines on the day and year first above written.

*[Insert Name and Signature]*

*[Insert Name and Signature]*

*[Insert Signatory's Legal Capacity]*

*[Insert Signatory's Legal Capacity]*

for:

for:

*[Insert Procuring Entity]*

*[Insert Name of Supplier]*

**Acknowledgment**

*[Format shall be based on the latest Rules on Notarial Practice]*

**Omnibus Sworn Statement (Revised)**  
*[shall be submitted with the Bid]*

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REPUBLIC OF THE PHILIPPINES )  
CITY/MUNICIPALITY OF \_\_\_\_\_ ) S.S.

**AFFIDAVIT**

I, [Name of Affiant], of legal age, [Civil Status], [Nationality], and residing at [Address of Affiant], after having been duly sworn in accordance with law, do hereby depose and state that:

1. *[Select one, delete the other:]*

*[If a sole proprietorship:]* I am the sole proprietor or authorized representative of [Name of Bidder] with office address at [address of Bidder];

*[If a partnership, corporation, cooperative, or joint venture:]* I am the duly authorized and designated representative of [Name of Bidder] with office address at [address of Bidder];

2. *[Select one, delete the other:]*

*[If a sole proprietorship:]* As the owner and sole proprietor, or authorized representative of [Name of Bidder], I have full power and authority to do, execute and perform any and all acts necessary to participate, submit the bid, and to sign and execute the ensuing contract for [Name of the Project] of the [Name of the Procuring Entity], as shown in the attached duly notarized Special Power of Attorney;

*[If a partnership, corporation, cooperative, or joint venture:]* I am granted full power and authority to do, execute and perform any and all acts necessary to participate, submit the bid, and to sign and execute the ensuing contract for [Name of the Project] of the [Name of the Procuring Entity], as shown in the attached [state title of attached document showing proof of authorization (e.g., duly notarized Secretary's Certificate, Board/Partnership Resolution, or Special Power of Attorney, whichever is applicable)];

3. [Name of Bidder] is not "blacklisted" or barred from bidding by the Government of the Philippines or any of its agencies, offices, corporations, or Local Government Units, foreign government/foreign or international financing institution whose blacklisting rules have been recognized by the Government Procurement Policy Board, **by itself or by relation, membership, association, affiliation, or controlling interest with another blacklisted person or entity as defined and provided for in the Uniform Guidelines on Blacklisting;**

4. Each of the documents submitted in satisfaction of the bidding requirements is an authentic copy of the original, complete, and all statements and information provided therein are true and correct;

5. [Name of Bidder] is authorizing the Head of the Procuring Entity or its duly authorized representative(s) to verify all the documents submitted;

6. *[Select one, delete the rest:]*

*[If a sole proprietorship:]* The owner or sole proprietor is not related to the Head of the Procuring Entity, members of the Bids and Awards Committee (BAC), the Technical

Working Group, and the BAC Secretariat, the head of the Project Management Office or the end-user unit, and the project consultants by consanguinity or affinity up to the third civil degree;

*[If a partnership or cooperative:]* None of the officers and members of *[Name of Bidder]* is related to the Head of the Procuring Entity, members of the Bids and Awards Committee (BAC), the Technical Working Group, and the BAC Secretariat, the head of the Project Management Office or the end-user unit, and the project consultants by consanguinity or affinity up to the third civil degree;

*[If a corporation or joint venture:]* None of the officers, directors, and controlling stockholders of *[Name of Bidder]* is related to the Head of the Procuring Entity, members of the Bids and Awards Committee (BAC), the Technical Working Group, and the BAC Secretariat, the head of the Project Management Office or the end-user unit, and the project consultants by consanguinity or affinity up to the third civil degree;

7. *[Name of Bidder]* complies with existing labor laws and standards; and
8. *[Name of Bidder]* is aware of and has undertaken the responsibilities as a Bidder in compliance with the Philippine Bidding Documents, which includes:
  - a. Carefully examining all of the Bidding Documents;
  - b. Acknowledging all conditions, local or otherwise, affecting the implementation of the Contract;
  - c. Making an estimate of the facilities available and needed for the contract to be bid, if any; and
  - d. Inquiring or securing Supplemental/Bid Bulletin(s) issued for the *[Name of the Project]*.
9. *[Name of Bidder]* did not give or pay directly or indirectly, any commission, amount, fee, or any form of consideration, pecuniary or otherwise, to any person or official, personnel or representative of the government in relation to any procurement project or activity.
10. **In case advance payment was made or given, failure to perform or deliver any of the obligations and undertakings in the contract shall be sufficient grounds to constitute criminal liability for Swindling (Estafa) or the commission of fraud with unfaithfulness or abuse of confidence through misappropriating or converting any payment received by a person or entity under an obligation involving the duty to deliver certain goods or services, to the prejudice of the public and the government of the Philippines pursuant to Article 315 of Act No. 3815 s. 1930, as amended, or the Revised Penal Code.**

**IN WITNESS WHEREOF**, I have hereunto set my hand this \_\_\_ day of \_\_\_, 20\_\_ at \_\_\_\_\_, Philippines.

*[Insert NAME OF BIDDER OR ITS AUTHORIZED REPRESENTATIVE]*

*[Insert signatory's legal capacity]*

Affiant

**[Jurat]**

*[Format shall be based on the latest Rules on Notarial Practice]*

GPPB Resolution No. 16-2020, dated 16 September 2020



**Performance Securing Declaration (Revised)**

***[if used as an alternative performance security but it is not required to be submitted with the Bid, as it shall be submitted within ten (10) days after receiving the Notice of Award]***

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REPUBLIC OF THE PHILIPPINES)  
CITY OF \_\_\_\_\_ ) S.S.

**PERFORMANCE SECURING DECLARATION**

Invitation to Bid: [Insert Reference Number indicated in the Bidding Documents]

To: [Insert name and address of the Procuring Entity]

I/We, the undersigned, declare that:

1. I/We understand that, according to your conditions, to guarantee the faithful performance by the supplier/distributor/manufacturer/contractor/consultant of its obligations under the Contract, I/we shall submit a Performance Securing Declaration within a maximum period of ten (10) calendar days from the receipt of the Notice of Award prior to the signing of the Contract.
2. I/We accept that: I/we will be automatically disqualified from bidding for any procurement contract with any procuring entity for a period of one (1) year for the first offense, or two (2) years **for the second offense**, upon receipt of your Blacklisting Order if I/We have violated my/our obligations under the Contract;
3. I/We understand that this Performance Securing Declaration shall cease to be valid upon:
  - a. issuance by the Procuring Entity of the Certificate of Final Acceptance, subject to the following conditions:
    - i. Procuring Entity has no claims filed against the contract awardee;
    - ii. It has no claims for labor and materials filed against the contractor; and
    - iii. Other terms of the contract; or
  - b. replacement by the winning bidder of the submitted PSD with a performance security in any of the prescribed forms under Section 39.2 of the 2016 revised IRR of RA No. 9184 as required by the end-user.

**IN WITNESS WHEREOF**, I/We have hereunto set my/our hand/s this \_\_\_\_ day of [month] [year] at [place of execution].

*[Insert NAME OF BIDDER OR ITS  
AUTHORIZED REPRESENTATIVE]  
[Insert signatory's legal capacity]  
Affiant*

**[Jurat]**

*[Format shall be based on the latest Rules on Notarial Practice]*

*GPPB Resolution No. 16-2020, dated 16 September 2020*

