

**ANNUAL PROCUREMENT PLAN FOR FY 2023**

**APP-2023-NCSE-016**

Code	Procurement Program/Activity/Project	PMO/ End-User	Is this an Early Procurement Activity? (Yes/No)	Mode of Procurement	Schedule for Each Procurement Activity				Source of Fund	Estimated Budget (PhP)			Remarks (Brief Description of Program/Activity/ Project)
					Advertisement/ Posting of IB/REI	Submission/ Opening of Bids	Notice of Award	Contract Signing		Total	MOOE	CO	
5029905001	16 Lease of Venue and Accommodation (August 29 - September 1, 2023) for Model Store Beta Version Launch and End User Training & Stakeholder's Meeting Estimated number of pax: 170 1 lot	CSD	NO	NP-53.10 Lease of Real Property and Venue	3rd Quarter of 2023				GOP	2,000,000.00	2,000,000.00	0.00	GIA (ALaM)
5029905003	16 Vehicle Rental for ASTI-ALaM IEC Activities Activities Multiple trips within NCR & Luzon (August 29 - September 1, 2023) for Model Store Beta Version Launch and End User Training & Stakeholder's Meeting Estimated number of pax: 170 1 lot	CSD	NO	NP-53.9 Small Value Procurement	3rd Quarter of 2023				GOP	397,056.00	397,056.00	0.00	GIA (ALaM)
5029907001	16 Software Application for Creative Professionals (12mos for 7 users) 1 lot	CSD	NO	NP-53.9 Small Value Procurement	3rd Quarter of 2023				GOP	400,000.00	400,000.00	0.00	GIA (ALaM)
5020399000	16 LAN-HDMI Extender/Adapter 3 sets	KMD	NO	NP-53.9 Small Value Procurement	3rd Quarter of 2023				GOP	1,290.00	1,290.00	0.00	GAA
5020399000	16 USB C to USB C Cable 2 rolls	KMD	NO	NP-53.9 Small Value Procurement	3rd Quarter of 2023				GOP	760.00	760.00	0.00	GAA
5021308001	16 Supply, delivery, and installation of DOST-ASTI Water Pump and Water Tank 1 lot	FAD	NO	Competitive Bidding	3rd-4th Quarter of 2023				GOP	4,000,000.00	4,000,000.00	0.00	GAA (2022 Continuing)
5020101000	16 Roundtrip Airline tickets for Official Travel from MNL-CEB-MNL for the Exploratory meetings and Laboratory Tour: University of San Carlos; Local Government Unit Mandaue City, and University of San Jose-Recoletos Passenger/s: 1 pax Date: August 9-11, 2023 1 lot	CSD	NO	NP. 53.14 Direct Retail Purchase of Petroleum Fuel, Oil and Lubricant Products, Airline Tickets, and Online Subscriptions	3rd Quarter of 2023				GOP	10,694.44	10,694.44	0.00	GIA (ALaM)
5020101000	16 Roundtrip Airline tickets for Official Travel from MNL-CEB-MNL for the Exploratory meetings and Laboratory Tour: University of San Carlos; Local Government Unit Mandaue City, and University of San Jose-Recoletos Passenger/s: 1 pax Date: August 9-11, 2023 1 lot	CSD	NO	NP. 53.14 Direct Retail Purchase of Petroleum Fuel, Oil and Lubricant Products, Airline Tickets, and Online Subscriptions	3rd Quarter of 2023				GOP	10,694.44	10,694.44	0.00	GIA (ALaM)
5020702002	16 Single board computer 8GB RAM Note: Component to be integrated to the prototype  (used a microcomputer for the prototype) Specification: * 8GB RAM * 64-bit quad-core processor * 1.5GHz with built-in metal heatsink * USB 3 ports * Dual-band 2.4GHz 1 unit	CSD	NO	NP-53.9 Small Value Procurement	3rd Quarter of 2023				GOP	23,200.00	23,200.00	0.00	GAA (Gulai)
5020702002	16 Analog TDS Sensor Meter for microcontroller Note: Component to be integrated to the prototype  (used as a water quality sensor for the prototype) Specification: *Input Voltage: 3.3V - 5V *Output Voltage: 0 ~ 2.3V *Working Current: 3 ~ 6mA *TDS Measurement Range: 0 ~ 1000ppm *TDS Measurement Accuracy: ± 10% F.S. (25) *Waterproof probe 3 units	CSD	NO	NP-53.9 Small Value Procurement	3rd Quarter of 2023				GOP	3,600.00	3,600.00	0.00	GAA (Gulai)

5020321003	16	360° View Surveillance Camera Note: Tool to used for prototyping (used as a surveillance camera for the prototype) Specification: *Input Power: 5V - 2A *Lens Angle: 110° * Resolution: 1296p *Storage: MicroSD card (up to 32 GB supported) *Wireless Connection: Wi-Fi IEEE 802.11a/b/g/n/ac *GHz/5 GHz, Bluetooth 4.2 *Features: *Can monitor through smart phone *with Night Vision *real-time two-way voice calling *Can record surveillance video 1 unit	CSD	NO	NP-53.9 Small Value Procurement	3rd Quarter of 2023	GOP	4,050.00	4,050.00	0.00	GAA (Gulai)
5020399000	16	1 Meter Bowden PTFE Tubing for 3D printer Note:a consumable item to be used in prototyping (used as a filament tube for 3D printing) Specification: * Length: 1 meter * Include: Connector Fittings PTFE Tube Connector 4 pcs	CSD	NO	NP-53.9 Small Value Procurement	3rd Quarter of 2023	GOP	1,700.00	1,700.00	0.00	GAA (Gulai)
5020102000	16	Airline Ticket for Official Travel from Manila, Philippines to Kuala Lumpur, Malaysia and vice versa *Fly-in details: Manila, Philippines to Kuala Lumpur, Malaysia - August 19, 2023 @12:05PM- 16:05 PM *Fly-out details: Kuala Lumpur, Malaysia to Manila, Philippines - August 26, 2023 @2:00AM - 06:05AM *Airfare @ Php22,568.00 *Standard allowable carry-on or checked-in bags 1 lot	OD	NO	NP. 53.14 Direct Retail Purchase of Petroleum Fuel, Oil and Lubricant Products, Airline Tickets, and Online Subscriptions	3rd Quarter of 2023	GOP	22,568.00	22,568.00	0.00	GAA
5020102000	16	Airline Ticket for Official Travel from Kuala Lumpur, Malaysia to Colombo, Sri Lanka and vice versa *Fly-in details: Kuala Lumpur, Malaysia to Colombo, Sri Lanka - August 19, 2023 @20:55PM - 21:55PM *Fly-out details: Colombo, Sri Lanka to Kuala Lumpur, Malaysia - August 25, 2023 @10:40AM - 16:55 PM *Airfare @ Php 15,115.52 *Standard allowable carry-on or checked-in bags 1 lot	OD	NO	NP. 53.14 Direct Retail Purchase of Petroleum Fuel, Oil and Lubricant Products, Airline Tickets, and Online Subscriptions	3rd Quarter of 2023	GOP	15,115.52	15,115.52	0.00	GAA
5020101000	16	Roundtrip Airfare Ticket from Manila to Cagayan De Oro (CDO) to Manila for the conduct of HANDA PILIPINAS Expo Mindanao: Enhancing Resilience and Sustainability for Mindanao - Travel Dates: September 13-17, 2023 - Airfare @ 10,000 each - inclusive of additional baggage for marketing collaterals, service fees and taxes (banners/materials) 2 lots	OD	NO	NP. 53.14 Direct Retail Purchase of Petroleum Fuel, Oil and Lubricant Products, Airline Tickets, and Online Subscriptions	3rd Quarter of 2023	GOP	20,000.00	20,000.00	0.00	GAA
5021501001	16	IP Related Fees - Trademark Filing Fee - Figurative Mark - Php 1,200.00 per class - with 900 Publication and Opposition Fee - 1% Legal Research Fund 3 lots	OD	NO		3rd Quarter of 2023	GOP	4,545.00	4,545.00	0.00	GAA (TLO)
5021501001	16	IP Related Fees - Trademark Filing Fee - Wordmark - Php 1,200.00 per class - with 900 Publication and Opposition Fee - 1% Legal Research Fund 3 lots	OD	NO		3rd Quarter of 2023	GOP	4,545.00	4,545.00	0.00	GAA (TLO)
5021501001	16	IP Related Fees - Trademark Filing Fee - Combined Mark - Php 1,200.00 per class - with 900 Publication and Opposition Fee - 1% Legal Research Fund 3 lots	OD	NO		3rd Quarter of 2023	GOP	4,545.00	4,545.00	0.00	GAA (TLO)
5021501001	16	IP Related Fees - Manuals for Copyright - Copyright Filing Fee (Php 200.00) - Document Stamp fee (Php 35.00 x 2) 4 lots	OD	NO		3rd Quarter of 2023	GOP	1,080.00	1,080.00	0.00	GAA (TLO)
5021501001	16	IP Related Fees - Outputs for Copyrights - Copyright Filing Fee (Php 200.00) - Document Stamp fee (Php 35.00 x 2) 6 lots	OD	NO		3rd Quarter of 2023	GOP	1,620.00	1,620.00	0.00	GAA (TLO)

5021501001	16	IP Related Fees - Trademark Filing Fee - Figurative Mark - Php 1,200.00 per class - with 900 Publication and Opposition Fee - 1% Legal Research Fund 4 lots	OD	NO		3rd Quarter of 2023	GOP	5,757.00	5,757.00	0.00	GAA (TLO)
5021501001	16	IP Related Fees - Trademark Filing Fee - Wordmark - Php 1,200.00 per class - with 900 Publication and Opposition Fee - 1% Legal Research Fund 4 lots	OD	NO		3rd Quarter of 2023	GOP	5,757.00	5,757.00	0.00	GAA (TLO)
5021501001	16	IP Related Fees - Trademark Filing Fee - Combined Mark - Php 1,200.00 per class - with 900 Publication and Opposition Fee - 1% Legal Research Fund 4 lots	OD	NO		3rd Quarter of 2023	GOP	5,757.00	5,757.00	0.00	GAA (TLO)
5021501001	16	IP Related Fees - Trademark Filing Fee - Publication for Opposition Fee (Php 900.00) - Fixed Legal Rsearch Fund Fee (Php 10.00) 1 lot	OD	NO		3rd Quarter of 2023	GOP	910.00	910.00	0.00	GAA (TLO)
5020101000	16	Roundtrip Airfare Ticket from Manila to Dipolog to Manila for the conduct of Zamboanga Peninsula Regional Science, Technology, and Innovation Week (ZamPen RSTW 2023), inclusive of additional baggages for marketing collaterals, service fees and taxes Travel Dates: September 6-7, 2023 1 lot	OD	NO	NP-53.14 Direct Retail Purchase of Petroleum Fuel, Oil and Lubricant Products, Airline Tickets, and Online Subscriptions	3rd Quarter of 2023	GOP	6,610.00	6,610.00	0.00	GAA (TLO)
5020101000	16	Roundtrip Airfare Ticket from Manila to Dipolog to Manila for the conduct of Zamboanga Peninsula Regional Science, Technology, and Innovation Week (ZamPen RSTW 2023), inclusive of additional baggages for marketing collaterals, service fees and taxes Travel Dates: September 5-9, 2023 1 lot	OD	NO	NP-53.14 Direct Retail Purchase of Petroleum Fuel, Oil and Lubricant Products, Airline Tickets, and Online Subscriptions	3rd Quarter of 2023	GOP	10,000.00	10,000.00	0.00	GAA (TLO)
5021103002	16	CONSULTANCY SERVICE - Research report on Freedom-To-Operate/Technology Due Diligence/Technology Matching, inclusive of a written report with advice and recommendations. *All items inclusive of administrative fees, taxes and other services, and government charges. Inclusive of conclusive report of all outputs, and presentation to the DOST-ASTI management 3 lots	OD	NO	NP-53.7 Highly Technical Consultants	3rd Quarter of 2023	GOP	150,000.00	150,000.00	0.00	GAA (TLO)
5020101000	16	Roundtrip Airfare Ticket from Manila to Cagayan De Oro (CDO) to Manila for the conduct of HANDA PILIPINAS Expo Mindanao: Enhancing Resilience and Sustainability for Mindanao, inclusive of additional baggages for marketing collaterals, service fees and taxes - Travel Dates: September 13-17, 2023 2 lots	OD	NO	NP-53.14 Direct Retail Purchase of Petroleum Fuel, Oil and Lubricant Products, Airline Tickets, and Online Subscriptions	3rd Quarter of 2023	GOP	20,000.00	20,000.00	0.00	GIA (IMPACT)
5021103002	16	CONSULTANCY SERVICE OF PRELIMINARY COMMERCIALIZATION/TECHNOLOGY TRANSFER AND MARKET STRATEGY FOR THREE (3) TECHNOLOGIES - Patent IP Filing inclusive of Prior Art search, Patent Report Drafting, and Patent/UM Prosecution until granted (issuance of certificate) -IP Valuation written report inclusive of results with advice and recommendations *All items inclusive of administrative fees, taxes and other services, and government charges. Inclusive of advice and recommendations per report, per technology, and presentation to the DOST-ASTI management. 1 lot	OD	NO	NP-53.7 Highly Technical Consultants	3rd Quarter of 2023	GOP	750,000.00	750,000.00	0.00	GIA (IMPACT)
5021103002	16	CONSULTANCY SERVICE FOR IP MANAGEMENT AND INNOVATION STRATEGY FOR TECHNOLOGY TRANSFER/COMMERCIALIZATION - IP Audit Analysis with Technology Readiness Level (TRL) Report generation of the initial IP inventory output from the agency (77 technologies). Inclusive of advice and recommendations and conclusion. Inclusive of 1-day presentation on methodology and tools used. Inclusive of Admin Fees plus taxes and other charges. 1 lot	OD	NO	NP-53.7 Highly Technical Consultants	3rd Quarter of 2023	GOP	180,000.00	180,000.00	0.00	GIA (IMPACT)

5021103002	16	CONSULTANCY SERVICE FOR INTERNAL POLICY DRAFTING, AND OTHER RELEVANT POLICY IMPLEMENTATION SERVICES FOR MANAGEMENT OF IP ASSETS AND TECHNOLOGY TRANSFER - Review of Technology Licensing, End-user license and other similar Technology Transfer Agreements (MOA, Letter of Interest, etc) and its current relevant processes and conversion of the reviewed agreements into a public document for purposes of negotiation and technology transfer (e.g. commercialization) - Consultancy on IP Management and Technology Transfer initiatives (Contract Reviews, Management Meetings, Negotiations, and other relevant requirements for government funded projects such as FOB preparatory activities, etc.) - A written internal policy for the agency on IP Management and Technology Transfer Initiatives - Renewable Contract - Inclusive of Admin Fees plus taxes and other charges. -Inclusive of recommendations/advice and conclusive report -Inclusive of presentation to the DOST-ASTI management for final review and signing 1 lot	OD	NO	NP-53.7 Highly Technical Consultants	3rd Quarter of 2023	GOP	199,996.00	199,996.00	0.00	GIA (IMPACT)
5020101000	16	Roundtrip Airfare Ticket from Manila to Dipolog to Manila for the conduct of Zamboanga Peninsula Regional Science, Technology, and Innovation Week (ZamPen RSTW 2023), inclusive of additional baggages for marketing collaterals, service fees and taxes Travel Dates: September 5-9, 2023 1 lot	OD	NO	NP. 53.14 Direct Retail Purchase of Petroleum Fuel, Oil and Lubricant Products, Airline Tickets, and Online Subscriptions	3rd Quarter of 2023	GOP	10,000.00	10,000.00	0.00	GAA (Corp Comm)
5020101000	16	Roundtrip Airfare Ticket from Manila to Cagayan De Oro (CDO) to Manila for the conduct of HANDA PILIPINAS Expo Mindanao: Enhancing Resilience and Sustainability for Mindanao, inclusive of additional baggages for marketing collaterals, service fees and taxes - Travel Dates: September 13-17, 2023 1 lot	OD	NO	NP. 53.14 Direct Retail Purchase of Petroleum Fuel, Oil and Lubricant Products, Airline Tickets, and Online Subscriptions	3rd Quarter of 2023	GOP	10,000.00	10,000.00	0.00	GAA (Corp Comm)
5029902000	16	Printing - DOST-ASTI Flyer A5 spread, 1-color, 2-side print 4000 pcs	OD	NO	NP-53.9 Small Value Procurement	3rd Quarter of 2023	GOP	6,500.00	6,500.00	0.00	GAA (Corp Comm)
	16	Printing - DOST-ASTI Waterproof Vinyl Sticker Full color 1000 pcs	OD	NO	NP-53.9 Small Value Procurement	3rd Quarter of 2023	GOP	1,000.00	1,000.00	0.00	GAA (Corp Comm)
5029905003	16	Vehicle Rental - Transportation Service of Exhibit Staff for the 2023 RSTW Los Baños, September 2023 Two (2) Trips - Quezon City to Los Baños, Los Baños to Quezon City 1 lot	OD	NO	NP-53.9 Small Value Procurement	3rd Quarter of 2023	GOP	15,000.00	15,000.00	0.00	GAA (Corp Comm)
	16	Network Gateway / Controller – WAN 2.5GbE RJ45 / 10G SFP+, Lan 8 x GbE RJ45 / 1 x 10GbE SFP+, PoE 2 units	OD	NO	NP-53.9 Small Value Procurement	3rd Quarter of 2023	GOP	90,680.00	90,680.00	0.00	GAA (Corp Comm)
	16	Network Switch - Aggregation / Distribution – 8 x 10GbE SFP+ 2 units	OD	NO	NP-53.9 Small Value Procurement	3rd Quarter of 2023	GOP	45,340.00	45,340.00	0.00	GAA (Corp Comm)
	16	Network Switch – Managed – 16 x GbE RJ45 PoE+, 8 x GbE RJ45 PoE++, 2 x 10GbE SFP+ 2 units	OD	NO	NP-53.9 Small Value Procurement	3rd Quarter of 2023	GOP	99,900.00	99,900.00	0.00	GAA (Corp Comm)
	16	Access Point – Dual-Band, Mesh, WiFi 6 3 units	OD	NO	NP-53.9 Small Value Procurement	3rd Quarter of 2023	GOP	46,020.00	46,020.00	0.00	GAA (Corp Comm)
	16	Network Security Camera – 2688 x 1512 30fps, PoE 5 units	OD	NO	NP-53.9 Small Value Procurement	3rd Quarter of 2023	GOP	91,350.00	91,350.00	0.00	GAA (Corp Comm)
	16	Network Video Recorder – 1 x GbE RJ45, 1 x 10GbE SFP+, 4 HDD Bays 1 unit	OD	NO	NP-53.9 Small Value Procurement	3rd Quarter of 2023	GOP	29,200.00	29,200.00	0.00	GAA (Corp Comm)
	16	Network Video Recorder Storage Drive – 7200 RPM, 10TB 2 units	OD	NO	NP-53.9 Small Value Procurement	3rd Quarter of 2023	GOP	50,680.00	50,680.00	0.00	GAA (Corp Comm)
	16	Network HDMI Hub – 4K 30fps, PoE 2 units	OD	NO	NP-53.9 Small Value Procurement	3rd Quarter of 2023	GOP	39,600.00	39,600.00	0.00	GAA (Corp Comm)
	16	Network IP Phone – Desktop 7-inch Touchscreen Display, 802.11 a/b/g/n/ac, 2 x GbE RJ45, PoE+ 4 units	OD	NO	NP-53.9 Small Value Procurement	3rd Quarter of 2023	GOP	85,880.00	85,880.00	0.00	GAA (Corp Comm)
	16	Network Rackmount Patch Panel – 24 Port (Blank) 4 units	OD	NO	NP-53.9 Small Value Procurement	3rd Quarter of 2023	GOP	22,960.00	22,960.00	0.00	GAA (Corp Comm)
	16	Network Rackmount Console 1 unit	OD	NO	NP-53.9 Small Value Procurement	3rd Quarter of 2023	GOP	36,670.00	36,670.00	0.00	GAA (Corp Comm)

16	Network Attached Storage (NAS) – Rackmount 1U, 4-Bay, Diskless, 601/516 MB/s R/W 1 unit	OD	NO	NP-53.9 Small Value Procurement	3rd Quarter of 2023	GOP	49,990.00	49,990.00	0.00	GAA (Corp Comm)
16	Uninterruptible Power Supply (UPS) – Rackmount 2U, 750 VA 3 units	OD	NO	NP-53.9 Small Value Procurement	3rd Quarter of 2023	GOP	142,260.00	142,260.00	0.00	GAA (Corp Comm)
16	Server Rack Equipment Shipping Case – 10U ABS 2 units	OD	NO	NP-53.9 Small Value Procurement	3rd Quarter of 2023	GOP	96,480.00	96,480.00	0.00	GAA (Corp Comm)
16	Server Cabinet Case Rack Mount Drawer – 4U 2 units	OD	NO	NP-53.9 Small Value Procurement	3rd Quarter of 2023	GOP	11,560.00	11,560.00	0.00	GAA (Corp Comm)

	5020702001	16	<p>Data Control and Processing Platform</p> <ul style="list-style-type: none"> <li>-1 Lot includes 4 Sets of the following:</li> <li>*One (1) Unit Processor</li> <li>*One (1) Unit Motherboard</li> <li>*One (1) Unit Computer RAM</li> <li>*One (1) Unit SSD Storage</li> <li>*One (1) Unit Graphics Card</li> <li>*One (1) Unit PCIE Riser</li> <li>*One (1) Unit PSU</li> <li>*One (1) Unit Case Fans</li> <li>*One (1) Unit Computer Chassis</li> </ul> <p>Processor</p> <ul style="list-style-type: none"> <li>*12 Cores, 20 Threads, 3.60GHz – 4.90GHz Frequency</li> <li>*Bus Speed 8 GT/s</li> <li>*TDP 65-180 W</li> <li>*Max Memory Size (dependent on memory type) 128 GB</li> <li>*Memory: 2 Channel, DDR5-4800 / DDR4-3200, 76.8GB/s Bandwidth</li> </ul> <p>Motherboard</p> <ul style="list-style-type: none"> <li>*LGA1700 Socket, B660 Chipset, ITX Form Factor</li> <li>*Voltage Regulator 9 Phase (8+1, 60A SPS MOSFETs for Vcore)</li> <li>*Video Ports: (1) HDMI (v2.1); (1) DisplayPort (v1.4)</li> <li>*USB Ports: (1) USB 3.2 Gen 2x2 Type-C (20 Gbps); (1) USB 3.2 Gen 2 Type-C (10 Gbps); (3) USB 3.2 Gen 2 (10 Gbps); (3) USB 2.0 (480 Mbps)</li> <li>*Network Jacks: (1) 2.5 GbE</li> <li>*Audio Jacks: (5) Analog + SPDIF</li> <li>*PCIe x16 (1) v5.0 (x16)</li> <li>*DIMM Slots (2) DDR5 6200+(OC), 64GB Capacity</li> <li>*M.2 Sockets (2) PCIe 4.0 x4 (64 Gbps) / PCIe (up to 80mm)</li> <li>*SATA Ports (4) SATA3 6 Gbps (Supports RAID 0/1/5/10)</li> <li>*USB Headers (1) USB v3.2 Gen 2, Type-C (10 Gbps), (1) USB v3.2 Gen 2, Type-C (10 Gbps), (1) USB v2.0 (480 Mbps)</li> <li>*Fan/Pump Headers(3) 4-Pin (CPU, CPU_OPT, AIO Pump)</li> <li>*RGB Headers(2) aRGB (3-pin), (1) AURA RGB (4-pin)</li> <li>*Diagnostics Panel Q-LEDs (Boot, VGA, DRAM, CPU)</li> <li>*Wi-Fi / Bluetooth Intel AX201 Wi-Fi 6 (2x2 ax, MU-MIMO, 2.4/5/6 GHz, 160 MHz, BT 5.2)</li> </ul> <p>Computer RAM</p> <ul style="list-style-type: none"> <li>*2 x 8GB DDR4 RAM</li> <li>*Color: Black</li> <li>*First Word Latency: 8.889ns</li> <li>*CAS Latency: 16</li> <li>*Voltage: 1.35V</li> <li>*Timing: 16-19-19-39</li> <li>*With Heatspreader</li> </ul> <p>SSD Storage</p> <ul style="list-style-type: none"> <li>*Storage: 500GB SSD</li> <li>*Cache: 512MB</li> <li>*Form Factor: M.2</li> </ul> <p>Graphics Card</p> <ul style="list-style-type: none"> <li>*(or better, but must be compatible with the rest of the components)</li> <li>*Video Memory:8GB GDDR6, 256-bit Bus</li> <li>*Engine ClockBoost: 1695 MHz</li> <li>*Memory Clock14 Gbps</li> <li>*PCI Express4.0 16x</li> <li>*Display Outputs3 x DisplayPort 1.4a (up to 7680x4320@60Hz)</li> <li>*HDMI 2.1* (up to 7680x4320@60Hz)</li> <li>*Ultra High Speed HDMI Cable is required to support 8K/60FPS or 4K/120FPS</li> <li>*HDCP Support2,3</li> <li>*Multi Display CapabilityQuad Display</li> <li>*Recommended Power Supply650W</li> <li>*Power Consumption200W</li> <li>*Power Input8-pin</li> <li>*DirectX12 Ultimate</li> <li>*OpenGL4.6</li> </ul> <p>PCIE Riser</p> <ul style="list-style-type: none"> <li>*HD Audio + Mic</li> <li>*Size (L x W x H): 10.5 cm x 13.1 cm x 2 cm</li> <li>*Type: Riser Cable</li> <li>*Length: 20cm</li> <li>*PCI-E: Gen 4.0"</li> </ul> <p>PSU</p> <ul style="list-style-type: none"> <li>*Type: ATX</li> <li>*Efficiency Rating: 80+ Gold</li> <li>*Wattage: 850 W</li> <li>*Color: Black</li> <li>*EPS 8-Pin Connectors: 1</li> <li>*PCIe 6+2-Pin Connectors: 6</li> <li>*SATA Connectors: 8</li> <li>*Molex 4-Pin Connectors: 3</li> <li>*(or better, but must be compatible with the rest of the components)</li> </ul> <p>Case Fans</p> <ul style="list-style-type: none"> <li>*Size 120x120x25 mm</li> <li>*Mounting hole spacing 105x105 mm</li> <li>*Connector &amp; pin-configuration 4-pin PWM</li> <li>*Cable length 20cm + 30cm NA-EC1 extension cable</li> <li>*Bearing SSO2</li> <li>*Blade geometry A-Series with Flow Acceleration Channels</li> <li>*Frame technology AAO (Advanced Acoustic Optimisation)</li> <li>*Material Sterrox® LCP</li> <li>*Rotational speed (+/- 10%) 1200 RPM</li> <li>*Rotational speed with L.N.A. (+/- 10%) 900 RPM</li> </ul>	RDD	NO	NP-53.9 Small Value Procurement	3rd - 4th Quarter of 2023	GOP	560,000.00	560,000.00	0.00	GIA (VIROS)
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		<ul style="list-style-type: none"> <li>*Power rating 12V, 0.05A(max), 0,6 W(max)</li> <li>*Voltage PWM signal 5 V</li> <li>*MTTF &gt; 150.000 h</li> <li>CPU Case</li> <li>*MicroATX Mini Tower</li> <li>*Color: Black</li> <li>*Mesh Side Panel</li> <li>*Front Panel USB: USB 3.2 Gen 2 Type-C/USB 3.2 Gen 1 Type-A</li> <li>*Motherboard Form Factor: Micro ATX/ Mini ITX</li> <li>*Maximum Video Card Length: 338 mm / 13.307"****</li> <li>*Dimensions: 350 mm x 205 mm x 460 mm</li> <li>*(all components must fit and must be compatible)</li> <li>PURPOSE: Central Data Processing and Control Platform for STEER Unit Prototypes</li> </ul>											
5020399000	16	<ul style="list-style-type: none"> <li>1 lot</li> <li>Wi Fi Microcontroller Module</li> <li>ESP 32 MCU development kit with provision for external wifi antenna (IPEX port)</li> <li>*Type: Transceiver; 802.11 b/g/n (Wi-Fi, WiFi, WLAN), Bluetooth Smart Ready 4.x Dual Mode</li> <li>*Frequency: 2.4GHz*</li> <li>*ESP32-WROVER-IE Chip or equivalent</li> <li>PURPOSE: Mounting for din rail supported modules</li> </ul>	RDD	NO	NP-53.9 Small Value Procurement		3rd - 4th Quarter of 2023		GOP	3,180.00	3,180.00	0.00	GIA (VIROS)
5020399000	16	<ul style="list-style-type: none"> <li>Circuit Breaker</li> <li>*Miniature Circuit AC Breaker 16 Amperes 2 POLES Din Rail Type</li> <li>* 2P 6A</li> <li>PURPOSE: Mounting for din rail supported modules</li> </ul>	RDD	NO	NP-53.9 Small Value Procurement		3rd - 4th Quarter of 2023		GOP	1,200.00	1,200.00	0.00	GIA (VIROS)
5020399000	16	<ul style="list-style-type: none"> <li>Din Railing</li> <li>*Aluminum or Steel</li> <li>*12cm</li> <li>*1mmTHK x 35mmW</li> <li>PURPOSE: Mounting for din rail supported modules</li> </ul>	RDD	NO	NP-53.9 Small Value Procurement		3rd - 4th Quarter of 2023		GOP	100.00	100.00	0.00	GIA (VIROS)
5020321013	16	<ul style="list-style-type: none"> <li>2 in 1 Rework Station Hot Air and Soldering Iron</li> <li>*Power consumption: 720W</li> <li>*Temperature range: 100-480°C</li> <li>*Heater material: Ferro-alloys</li> <li>*Heater resistance: 74Ω</li> <li>*Type: Brushless Fan</li> <li>*Air flow: 120L/min</li> <li>*Soldering Iron Temperature range: 200-480°C</li> <li>*Soldering Iron Type: Blue Handle</li> <li>*Soldering Iron heater power: 60W</li> <li>*Gross weight: 3.3KG/pcs</li> <li>PURPOSE: Tools for project prototype research, development, testing and deployment</li> </ul>	RDD	NO	NP-53.9 Small Value Procurement		3rd - 4th Quarter of 2023		GOP	7,536.37	7,536.37	0.00	GIA (VIROS); Modified amount
5020321013	16	<ul style="list-style-type: none"> <li>Automatic Wire Stripper/Crimper</li> <li>*3 in 1 multi-funcion stripping, cutting and crimping</li> <li>*Stripping wires range:10/AWG-24AWG (0.2-6mm^2)</li> <li>*Durable and comfortable handle</li> <li>*Cutting function: copper and aluminum wires</li> <li>*Crimping functions: Crimp the insulated terminals: 0.5-6mm^2 (10-22 AWG) , *Crimp the non-insulated terminals: 0.5-6mm^2 (4-22 AWG) , Crimp the ignition terminals: 7-8mm^2</li> <li>PURPOSE: Tools for project prototype research, development, testing and deployment</li> </ul>	RDD	NO	NP-53.9 Small Value Procurement		3rd - 4th Quarter of 2023		GOP	1,644.30	1,644.30	0.00	GIA (VIROS); Modified amount
5020321013	16	<ul style="list-style-type: none"> <li>Pliers Set</li> <li>- 1 set contains:</li> <li>*8" Combination pliers</li> <li>*6" Long nose pliers</li> <li>*6" Diagonal cutting pliers</li> <li>*Cr-V, black finish and polish</li> <li>*TPR two color handle</li> <li>PURPOSE: Tools for project prototype research, development, testing and deployment</li> </ul>	RDD	NO	NP-53.9 Small Value Procurement		3rd - 4th Quarter of 2023		GOP	1,782.34	1,782.34	0.00	GIA (VIROS); Modified amount

5020321013	16	Digital Multimeter Tester *LCD Display 1999 counts *DC Voltage: 200mV to /600V *AC Voltage: 200V/600V *DC Current: 200uA to 10A *inclusive of: -2pcs battery -1pc negative probe -1pc positive probe -user manual PURPOSE: Tools for project prototype research, development, testing and deployment 2 sets	RDD	NO	NP-53.9 Small Value Procurement	3rd Quarter of 2023	GOP	1,096.20	1,096.20	0.00	GIA (VIROS); Modified description, unit of measure, amount
5020321013	16	Intelligent Laser Measure Rangefinder *100m Effective Range *Automatic Horizontal & Vertical Measurement *Electronic Level, Real Time Angle *2" Large Easy Read LCD Screen *Switchable Units *Distance, Area, Volume measurement PURPOSE: Tools for project prototype research, development, testing and deployment 1 unit	RDD	NO	NP-53.9 Small Value Procurement	3rd Quarter of 2023	GOP	2,192.40	2,192.40	0.00	GIA (VIROS); Modified amount
5020321002	16	PVC Jumbo Tool Box *Material: PVC *One-hand operation latch allows opening when other hand is occupied *Innovative design with robust structure and large volume *Extra-wide soft grip handle for easy lifting *Removable tray allows enough space for larger tools to be stored underneath *Organizers on top lid for small parts organization PURPOSE: Tools for project prototype research, development, testing and deployment 3 pcs	RDD	NO	NP-53.9 Small Value Procurement	3rd Quarter of 2023	GOP	5,481.00	5,481.00	0.00	GIA (VIROS); Modified amount
5020321002	16	Hand Tool Set With Case - contains 120 pcs hand tools per set: *1 pc 8 oz. Claw hammer. *1 pc of 7 "combination pliers *1 pc 6" long nose pliers *1 pc SL5.5 * 100 screwdriver *1 pc PH1 * 100 screwdriver *1pc T-set pencil (test voltage: 100-500V AC) *1 pc adjustable wrench 8" *1 pc 3M Steel Tape Measure 1 Piece *Hacksaw Frame *9 pcs Hex Wrench 1.5-2-2.5-3-4-5-6-8-10MM *20 pcs Screwdriver - Size: SL3 SL4 SL5 SL6 PH0 PH1 PH2 PH3 PZ0 PZ1 PZ2 PZ3 T10 T15 T20 T30 H3 H4 H5 H6 *1 pc Snap Blade Knife *1 pc 4mm Precision Screwdriver Handle *10 pcs precision screwdriver bits: SL1.5, SL2, SL3, PH000, PH00, PH0, T6, T8, H1.5, H2.5 *1 pcs of semi-circular steel file 3 * 140mm *1 pcs of 8 "scissors *7 pcs Feed sleeve 5mm, 6mm, 7mm, 8mm, 9mm, 10mm, 11mm Material: CR-V *1pc 1/4 "Magnetic Stem 100mm - Size: SL3 SL4 SL5 SL6 PH0 PH1 PH2 PH3 PZ0 PZ1 *10 pcs 4 * 30 Screws *10 pcs 5 * 50 Screws *10 pcs 4.2 * 19 Self Tapping Screw *10 pcs 4.2 * 38 Self Tapping Screw *10 pcs Hex Self Drilling Screw 5.5 * 32 *10 pcs Hex Self Drilling Screw 5.5 * 50 PURPOSE: Tools for project prototype research, development, testing and deployment 1 set	RDD	NO	NP-53.9 Small Value Procurement	3rd Quarter of 2023	GOP	4,202.10	4,202.10	0.00	GIA (VIROS); Modified amount
5029901000	16	Tarpaulins for the Joint Stakeholders' Meeting Purpose: Conduct of Joint Stakeholders' Meeting No. of items: 1 Arrangement: Vertical Sizes: 2 ft x 5 ft 1 lot	SSED	NO	NP-53.9 Small Value Procurement	2nd Quarter of 2023	GOP	2,000.00	2,000.00	0.00	GAA (INNOVATE)
5029901000	16	Printing of banner and backdrop for the Training of NTC IT personnel - One (1) pc.vertical retractable roll-up banner - 2x5 ft - One (1) pc. horizontal backdrop - 4x8 ft - design to be provided by DOST-ASTI 1 lot	SSED	NO	NP-53.9 Small Value Procurement	2nd Quarter of 2023	GOP	2,076.00	2,076.00	0.00	GIA (NetMesh R3); Modified description
5029901000	16	Printing of banner and backdrop for the Project Closeout - One (1) pc.vertical retractable roll-up banner - 2x5 ft - One (1) pc. horizontal backdrop - 4x8 ft - design to be provided by DOST-ASTI 1 lot	SSED	NO	NP-53.9 Small Value Procurement	3rd Quarter of 2023	GOP	2,076.00	2,076.00	0.00	GIA (NetMesh R8); Modified description



5029905001	16	Lease rental with catering Services for the conduct of NetMesh Project Closeout - Location: within NCR - No. of day/s: 1 day - Estimated number of pax: 50 pax - Tentative schedule: September 2023 Purpose: for the conduct of the official closing of the project *Actual no. of attendees and event schedule will be provided by the end user* 1 lot	SSED	NO	NP-53.10 Lease of Real Property	3rd Quarter of 2023	GOP	87,300.00	87,300.00	0.00	GIA (NetMesh R8); Modified description
5021199000	16	EPDC ISO 17025 Renewal Accreditation - For compliance to ISO/IEC17025:2017 - For Annual Electrical Field Testing and Assessment Services - Duration: 1 year - One-time payment (onset) - Note: general requirement for the competence of testing and calibration laboratories BSP Exchange Rate, May 31, 2023 (\$1 = Php 56.260) \$19,115.99 x Php 56.260 x 5.851164% = Php 1,138,392.85 Estimated cost inclusive of foreign taxes is Php 1,700,000.00 1 lot	SSED	NO	Competitive Bidding	3rd Quarter of 2023	GOP	1,700,000.00	1,700,000.00	0.00	GAA (EPDC); Modified mode of procurement
5021305014	16	Preventive Maintenance and Verification of Handheld XRF Analyzer Method: Consumer (for RoHS analysis) Note: For the continuous maintenance of Parametric Laboratory of EPDC. 1 lot	SSED	NO	NP-53.9 Small Value Procurement	3rd - 4th Quarter of 2023	GOP	33,000.00	33,000.00	0.00	GAA (EPDC)
5020301001	16	Clicker/Wireless Presenter Built-in slideshow buttons 50-foot effective range with 2.4 GHz wireless technology Red laser pointer with LED indicator Plug-and-play, no software required Storable receiver and carrying case Battery-power indicator On/Off switch Note: For Sales Department Slide Presentations 2 pcs	SSED	NO	NP-53.9 Small Value Procurement	3rd - 4th Quarter of 2023	GOP	5,400.00	5,400.00	0.00	GAA (EPDC)
5020321002	16	Vacuum Sealer with compartment Power: 220V - 50Hz / 200watts Max Sealing Width: 30cm Sealing Thickness 3mm Note:Laboratory use for packaging client's PCBs to extract air or moist that may damage the board 2 set	SSED	NO	NP-53.9 Small Value Procurement	3rd - 4th Quarter of 2023	GOP	16,900.00	16,900.00	0.00	GAA (EPDC)
5020102000	16	Roundtrip Airfare Ticket from Manila to Yogyakarta, Indonesia with connecting flight to Changi International Airport, Singapore to Manila for the 8th Geoinformation Science Symposium 2023 Travel Dates: 26-31 August 2023 1 lot	SSED	NO	NP. 53.14 Direct Retail Purchase of Petroleum Fuel, Oil and Lubricant Products, Airline Tickets, and Online Subscriptions	3rd Quarter of 2023	GOP	27,595.30	27,595.30	0.00	GAA (SAGAP)
5020399000	16	Mini Development Board with Bluetooth/wifi function -USB Port: Micro USB On-The-Go (OTG) port -Memory Capacity: 512MB -Power: Port: Micro USB power port Voltage: 5V DC Current: 2.5A -Frequency: 1GHz, Single-core CPU Note: For Technical Supplies 4 units	SSED	NO	NP-53.9 Small Value Procurement	3rd Quarter of 2023	GOP	6,500.00	6,500.00	0.00	GAA (SAGAP)
5020399000	16	Micro USB to USB Female OTG Cable -Cable Rating: Hi-Speed USB 2.0 up to 480 Mbps data transfer rate -Durable PVC construction, and tinned copper to ensure signal performance -Cable length: 4 inch/10cm Note: For Technical Supplies 4 units	SSED	NO	NP-53.9 Small Value Procurement	3rd Quarter of 2023	GOP	650.00	650.00	0.00	GAA (SAGAP)
50299010-00	16	Tarpaulin Printing for Site - 8x8, Full color 4 pcs	SSED	NO	NP-53.9 Small Value Procurement	3rd Quarter of 2023	GOP	10,000.00	10,000.00	0.00	GAA (REIINN); Modified amount
50299020-00	16	Printing of REIINN IEC Flyers Size : A4 size (3 folds) Stock : Matte finish 100 lbs. Process : Offset printing process: computer-to-plate with proofing stage (maximum of 2 revisions) No. of Pages : 2 pages back to back Colors : Full Colors both sides 150 pcs	SSED	NO	NP-53.9 Small Value Procurement	3rd - 4th Quarter of 2023	GOP	7,000.00	7,000.00	0.00	GAA (REIINN); Modified amount
5020702001	16	Single Board Computer 4GB Type: Demo Board Model: Raspberry Pi 4 B Instruction Set: ARMv8-A (64/32-bit) SoC: Broadcom BCM2711 FPU: VFPv4 + NEON Note: Component for testing and simulation activities 4 units	SSED	NO	NP-53.9 Small Value Procurement	2nd Quarter of 2023	GOP	30,000.00	30,000.00	0.00	GAA (REIINN); Modified amount

5020702002	16	Outdoor Radio - PoE Converter Size: 4.4x3.7x2.2cm/1.7x1.5x0.9in - Length: Antennas - 40cm/15.7in; Ethernet Cable - 100cm/39.4in; Power Adapter Cable - 130cm/51.2in - Standard: IEEE 802.11 ax/ac/a/n/g/b - Frequency Band/Speed: 2.4GHz(574Mbps)+5GHz(1201Mbps) - Part of Lokalte Prototype 4 units	SSED	NO	NP-53.9 Small Value Procurement	3rd Quarter of 2023	GOP	49,500.00	49,500.00	0.00	GAA (REIINN); Modified description, amount
5020702001	16	Embedded Systems - Touch Screen Display for Single Board Computer - 5 inch LCD - Touch Screen Display - 480x320 resolution Note: prototyping supplies for RCast 4 units	SSED	NO	NP-53.9 Small Value Procurement	2nd Quarter of 2023	GOP	4,400.00	4,400.00	0.00	GAA (REIINN)
5020201002	16	Packed Meals for REIINN GAA Workshops/IECs - Tentative schedule: October-November 2023 - Est. No of pax: max of 50 pax/site - No. of Locations: 2 venues - No. of days: 1 day per venue - inclusive of AM Snacks, Lunch and PM snacks, with drinks 2 lots	SSED	NO	NP-53.9 Small Value Procurement	4th Quarter of 2023	GOP	55,000.00	55,000.00	0.00	GAA (REIINN PH 2)
5020702002	16	USB WiFi Dongle 1. Interface - USB 2.0 2. Weight - 0.07 ounces / 2.1 grams (Without packaging) 3. Dimensions ( W x D x H ) - 0.73x0.59x0.26in.(18.6x15x7.1mm) 4. Antenna - Internal antenna *Part of the RuralCasting Prototype 2 pcs	SSED	NO	NP-53.9 Small Value Procurement	3rd Quarter of 2023	GOP	1,300.00	1,300.00	0.00	GIA (REIINN-NCR)
5020201002	16	Packed Meals for REIINN NCR Workshops/IECs - Tentative schedule: September- October 2023 - Est. No of pax: max of 50 pax/site - No. of Locations: 3 venues - No of days: 1 day per site - inclusive of AM Snacks, Lunch and PM snacks, with drinks 3 lots	SSED	NO	NP-53.9 Small Value Procurement	3rd - 4th Quarter of 2023	GOP	82,500.00	82,500.00	0.00	GIA (REIINN-NCR)
5020399000	16	Arm Sleeves Fabric: Polyester 10 pcs	SSED	NO	NP-53.9 Small Value Procurement	3rd Quarter of 2023	GOP	7,000.00	7,000.00	0.00	GAA (arQ v2); Modified amount
5021321013	16	Workshop Consumable - Circular Saw Blade Maximum Rotation: 7,000 RPM With 24 Carbide Teeth 1 set	SSED	NO	NP-53.9 Small Value Procurement	3rd Quarter of 2023	GOP	3,500.00	3,500.00	0.00	GAA (arQ v2)
5021321013	16	Workshop Consumable - Reciprocating Saw Blade Compatible with Models RRS1200, RRS1801M, R18RS-0, R18RS7-0 and competitor units 1 Set	SSED	NO	NP-53.9 Small Value Procurement	3rd Quarter of 2023	GOP	5,500.00	5,500.00	0.00	GAA (arQ v2)
5020399000	16	Rain Coat Rainguard Ps-501 PVC Rain Jacket & Pants 10 sets	SSED	NO	NP-53.9 Small Value Procurement	3rd - 4th Quarter of 2023	GOP	14,800.00	14,800.00	0.00	GAA (arQ v2)
5020399000	16	Cable Assembly - 3 in 1 Male USB C to Male USB C, Lightning, USB Micro Colour: Black & Space Grey Dimension: 1.5M 3 pcs	SSED	NO	NP-53.9 Small Value Procurement	3rd Quarter of 2023	GOP	3,600.00	3,600.00	0.00	GAA (arQ v2)
5020702002	16	Development Kit - Lead-Acid Battery Charger Power Management Evaluation Board Type: Battery Management Demonstration Board Battery Chemistry: Lead-Acid *will be part of prototype 1 pc	SSED	NO	NP-53.9 Small Value Procurement	3rd Quarter of 2023	GOP	11,000.00	11,000.00	0.00	GAA (arQ v2)
5020702002	16	Development Kit - LiFePO4 Battery Charger Power Management Evaluation Board Type: Battery Management Demonstration Board Battery Chemistry: LiFePO4 *will be part of prototype 1 pc	SSED	NO	NP-53.9 Small Value Procurement	3rd Quarter of 2023	GOP	11,000.00	11,000.00	0.00	GAA (arQ v2)
5020702002	16	Enclosure - Cylindrical Watertight Housing Acrylic watertight cylindrical housing with modular end caps *will be part of prototype 1 set	SSED	NO	NP-53.9 Small Value Procurement	3rd Quarter of 2023	GOP	22,000.00	22,000.00	0.00	GAA (arQ v2)
5020702002	16	Cable - Neutrally Bouyant Tether Outdoor and neutrally bouyant waterproof 4-core twisted pair Cat5 cable *will be part of prototype 20 meters	SSED	NO	NP-53.9 Small Value Procurement	3rd Quarter of 2023	GOP	16,000.00	16,000.00	0.00	GAA (arQ v2)
5020399000	16	Workshop Consumables - CNC Router Bit Flute Length (I2): 16, 20, 25mm Overall Length (I1): 50, 75mm 5 pcs	SSED	NO	NP-53.9 Small Value Procurement	3rd Quarter of 2023	GOP	5,500.00	5,500.00	0.00	GAA (SADT MASID)

5020399000	16	Workshop Consumables - CNC Router Bit Flute Length (I2): 12 - 25mm Overall Length (I1): 38 - 75mm 5 pcs	SSED	NO	NP-53.9 Small Value Procurement	3rd Quarter of 2023	GOP	6,500.00	6,500.00	0.00	GAA (SADT MASID)
5020399000	16	Workshop Consumables - CNC Router Bit Flute Length (I2): 8, 12mm Overall Length (I1): 50mm 5 pcs	SSED	NO	NP-53.9 Small Value Procurement	3rd Quarter of 2023	GOP	8,500.00	8,500.00	0.00	GAA (SADT MASID)
5021199000	16	Design and Development of Web Platform - Purpose: Visualize the outputs of sugarcane plantation mapping and sugarcane yield estimation on a web platform - Supplier must have prior experience with systems using satellite data - First draft: 60 working days upon release of Notice to Proceed - Source code will be transferred to end-user upon project completion 1 lot	SSED	NO	Competitive Bidding	4th Quarter of 2023	GOP	1,200,000.00	1,200,000.00	0.00	GIA (SRA WAP)
<b>TOTAL</b>								<b>13,269,432.41</b>	<b>13,269,432.41</b>	<b>0.00</b>	

Prepared and Consolidated By:

 Digitally signed by  
Ramos Katherine  
Babaran  
**KATHERINE B. RAMOS**  
Head, Bids and Awards Committee (BAC) Secretariat

 Digitally signed by Victorino  
Victoria Vivian Vicente

Recommending Approval:

**PHILIP A. MARTINEZ**  
BAC Member

**HAROLD BRYAN S. PALER**  
BAC Member

 Digitally signed by  
Meryl Regine Algodon  
**MERYL REGINE L. ALGODON, Ph.D.**  
BAC Member

**NARCISA JUVILYN C. CASTAÑEDA**  
BAC Member

**On leave**

**JEFFREY A. ABOROT**  
BAC Vice Chairperson

**BAYANI BENJAMIN R. LARA**  
BAC Chairperson

Approved by:

**FRANZ A. DE LEON, Ph.D.**  
Director, DOST-ASTI