

Annual Procurement Plan for 2021
APP-2021-NCSE-016

Code	Procurement Program/Activity/Project	PMO/ End-User	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	
50205020-01	16 Prepaid Load Cards: Php100 denomination -Required LTE Frequency Bands: B1 (2100) B3 (1800 +) B5 (850) -Required LTE Frequency Bands: B3 (1800 +) B7 (2600) B41 (TD 2500) 20 cards	RDD	Shopping		3rd - 4th Quarter of 2021			GOP	2,000.00	2,000.00	0.00	REIINN (GIA)
50203210-03	16 Prepaid Pocket wifi LTE: - Required LTE Frequency band: B3 (1800 +) B7 (2600) B41 (TD 2500) 1 unit	RDD	Shopping		3rd - 4th Quarter of 2021			GOP	1,500.00	1,500.00	0.00	REIINN (GIA)
50203210-03	16 Prepaid Pocket wifi LTE: Required LTE Frequency Bands: B1 (2100) B3 (1800 +) B5 (850) 1 unit	RDD	Shopping		3rd - 4th Quarter of 2021			GOP	1,500.00	1,500.00	0.00	REIINN (GIA)
50299050-03	16 Vehicle Rental for REIINN Project Deployment Activities -Target schedule of implementation: August 2021-April2022 -Tentative Location: *Region III- Bulacan, Zambales, Tarlac, Aurora, Bataan *Region IV-A : Rizal, Batangas -Approximate cost: Php8,000/day/location -Types of vehicle: 4x4 closed type, 4x4 pickup -No of trips: not to exceed 15 days per trip -Specific locations/destinations/ final no of trips shall be provided by end-user 1 lot	RDD	NP-53.9 Small Value Procurement		3rd - 4th Quarter of 2021			GOP	400,000.00	400,000.00	0.00	REIINN (GIA)
50299050-03	16 Truck Rental for REIINN Project Deployment Activities -Target schedule of implementation: October 2021-March 2022 *Region III- Bulacan, Zambales, Tarlac, Aurora, Bataan *tentative no of days : not to exceed 3 days *Region IV-A : Rizal, Batangas *tentative no of days : 2 days -Types of vehicle: 4W- closed van; 20ft cargo truck - Approximate cost: Php20,000- 25,000/day/location -Specific locations/destinations/final no of trips shall be provided by end-user 1 lot	RDD	NP-53.9 Small Value Procurement		4th Quarter of 2021			GOP	100,000.00	100,000.00	0.00	REIINN (GIA)
5020399000	16 Weatherproof Enclosure w/ Transparent Lid - 200 x 120 x 75 mm - for R&D Prototyping - set-top box enclosure 1 4 pcs	RDD	NP-53.9 Small Value Procurement		3rd - 4th Quarter of 2021			GOP	2,698.00	2,698.00	0.00	REIINN (GIA)
5020399000	16 Weatherproof Enclosure w/ Transparent Lid - 160 x 160 x 90 mm -for R&D Prototyping - set-top box enclosure 2 4 pcs	RDD	NP-53.9 Small Value Procurement		3rd - 4th Quarter of 2021			GOP	2,698.00	2,698.00	0.00	REIINN (GIA)
5020399000	16 Cable Gland - M12 -for R&D Prototyping - set-top box accessories 1 16 pcs	RDD	NP-53.9 Small Value Procurement		3rd - 4th Quarter of 2021			GOP	600.00	600.00	0.00	REIINN (GIA)

5021199000	16	PCB Fabrication and Assembly of LTE Band 71 DL Band-Pass Filter Board version 1, version 2 and full turnkey I. GENERAL: Supply, fabrication and assembly of PCB and testing components II. TECHNICAL SPECIFICATIONS: For each PCB: No. of unique parts: 2 No. of components: 3 No. of SMT pads: 13 No. of Through Hole pins: 0 *BOM and final details shall be provided by end-user II. PACKAGE INCLUSION: - PCB fabrication services - supply of ceramic SMD/SMT filters, SMA connectors, etc. 1 lot	RDD	NP-53.9 Small Value Procurement	3rd - 4th Quarter of 2021	GOP	500,000.00	500,000.00	0.00	REIINN (GIA)
5020399000	16	Tripod Base Speaker Stand, 6ft - Adjustable height and tripod legs - Height can reach up to approx. 6ft - Weight: 2.5 kg; Size: 10 x 10 x 98 cm 2 units	RDD	NP-53.9 Small Value Procurement	3rd - 4th Quarter of 2021	GOP	1,446.00	1,446.00	0.00	REIINN (GIA)
5020399000	16	18650 Battery - Note: Component to be used for development and/or prototyping. 100 pieces	RDD	NP-53.9 Small Value Procurement	3rd Quarter of 2021	GOP	35,000.00	35,000.00	0.00	AUS (GAA)
5020399000	16	18650 Battery Holder - Note: Component to be used for development and/or prototyping. 2 pack	RDD	NP-53.9 Small Value Procurement	3rd Quarter of 2021	GOP	300.00	300.00	0.00	AUS (GAA)
5020399000	16	18650 Battery Case - 3S7P - Note: Component to be used for development and/or prototyping. 1 piece	RDD	NP-53.9 Small Value Procurement	3rd Quarter of 2021	GOP	1,000.00	1,000.00	0.00	AUS (GAA)
5020399000	16	18650 Battery Case - 63pc - Note: Component to be used for development and/or prototyping. 1 piece	RDD	NP-53.9 Small Value Procurement	3rd Quarter of 2021	GOP	1,750.00	1,750.00	0.00	AUS (GAA)
5020399000	16	Grommet - 16mm - Note: Component to be used for development and/or prototyping. 4 pack	RDD	NP-53.9 Small Value Procurement	3rd Quarter of 2021	GOP	2,000.00	2,000.00	0.00	AUS (GAA)
5020399000	16	GPU Development Board - Note: Component to be used for development and/or prototyping. 1 piece	RDD	NP-53.9 Small Value Procurement	3rd Quarter of 2021	GOP	11,500.00	11,500.00	0.00	AUS (GAA)
50604050-03	16	CCTV cameras with installation 1 lot	KMD	NP-53.9 Small Value Procurement	3rd Quarter of 2021	GOP	66,000.00	0.00	66,000.00	(GAA)
50604050-03	16	Uninterruptible Power Supply for CCTV System 3 units	KMD	NP-53.9 Small Value Procurement	3rd Quarter of 2021	GOP	121,366.00	0.00	121,366.00	(GAA)
50604050-03	16	Server - Edge Cache Server - Delivery: 30 days upon receipt of NTP 1 lot	RDD	Competitive Bidding	2nd Quarter of 2021	GOP	395,000.00	0.00	395,000.00	REIINN (GIA); Modified amount
50207020-02	16	Photovoltaic Capture, Conversion, and Storage System -Rate Voltage: 12V Max. PV Charging Current: 10 A & 30A -for R&D-needed in the LTE Base Station Prototype 2 unit	RDD	NP-53.9 Small Value Procurement	3rd - 4th Quarter 2021	GOP	71,452.50	71,452.50	0.00	REIINN (GIA)
50207020-02	16	634.5 MHZ CAVITY BAND PASS FILTER (1dB) -Center Frequency: 634.5 MHz -BW: 35MHz -Passband: 617-652 MHz -IL in BW: 1 dB max - for LTE base station prototype 3 units	RDD	NP-53.9 Small Value Procurement	3rd - 4th Quarter 2021	GOP	219,000.00	219,000.00	0.00	REIINN (GIA)
50207020-02	16	680.5 MHZ CAVITY BAND PASS FILTER Center Frequency: 680.5 Mhz BW: 35MHz Passband: 663-698 Mhz IL in BW: 2.0 dB max - for LTE base station prototype 2 units	RDD	NP-53.9 Small Value Procurement	3rd - 4th Quarter 2021	GOP	96,750.00	96,750.00	0.00	REIINN (GIA)
5020399000	16	BLANK SIM CARDS - 100pcs/lot Writable Programmable Blank SIM 1 set	RDD	NP-53.9 Small Value Procurement	3rd - 4th Quarter 2021	GOP	9,295.00	9,295.00	0.00	REIINN (GIA)
50207020-02	16	Single Board Computer w/ Integrated Keyboard -- USB 2.0 and USB 3.0 ports - micro HDMI port x 2 -for Prototyping of set-top box type 1 set	RDD	NP-53.9 Small Value Procurement	3rd - 4th Quarter 2021	GOP	8,990.00	8,990.00	0.00	REIINN (GIA)
50207020-02	16	634.5 MHz Cavity BAND PASS FILTER (IL=0.9dB) Center Frequency: 634.5 MHz BW: 35MHz Passband: 617-652 MHz IL in BW: 0.9 dB max -- for LTE base station prototype 2 units	RDD	NP-53.9 Small Value Procurement	3rd - 4th Quarter 2021	GOP	120,000.00	120,000.00	0.00	REIINN (GIA)

50207020-02	16	634.5 MHz CAVITY BAND PASS FILTER (1dB) Center Frequency: 634.5 MHz BW: 35MHz Passband: 617-652 MHz IL in BW: 1dB max - for LTE base station prototype 1 unit	RDD	NP-53.9 Small Value Procurement	3rd - 4th Quarter 2021	GOP	73,125.00	73,125.00	0.00	REIINN (GIA)
50207020-02	16	634.5 MHz Low Power Cavity BAND PASS FILTER Center Frequency: 634.5 MHz BW: Fc +/-17.5MHz (617-652 MHz) IL in BW: 2dB max Return Loss in BW: 20dB min -for R&D- Important Component for the LTE Base Station Prototype, used for filtering of LTE Signals 2 units	RDD	NP-53.9 Small Value Procurement	3rd - 4th Quarter 2021	GOP	67,500.00	67,500.00	0.00	REIINN (GIA)
50207020-02	16	680.5 MHz Low Power Cavity BAND PASS FILTER Center Frequency: 680.5 MHz BW: Fc +/-17.5MHz (663-698 MHz) IL in BW: 2dB max Return Loss in BW: 20dB min -for R&D- Important Component for the LTE Base Station Prototype, used for filtering of LTE Signals 2 units	RDD	NP-53.9 Small Value Procurement	3rd - 4th Quarter 2021	GOP	67,500.00	67,500.00	0.00	REIINN (GIA)
5021199000	16	Fabrication and Installation of Base Tower -including transportation to and from the site - Delivery/ Installation: 1st quarter of 2022 or upon the advise of DOST-ASTI 1 lot	RDD	Competitive Bidding	3rd - 4th Quarter 2021	GOP	1,200,000.00	1,200,000.00	0.00	REIINN (GIA)
5021503000	16	GSIS Insurance for deployed equipment -location and list of equipment to be provided by end-user - tentative : 1 year (January 2022-Dec. 2022) 1 lot	RDD	NP-53.5 Agency-to-Agency	3rd - 4th Quarter 2021	GOP	200,000.00	200,000.00	0.00	REIINN (GIA)
5021199000	16	Diesel fuel - to power up generator which shall be used as a backup grid power at the chosen deployment sites	RDD	Shopping	3rd - 4th Quarter 2021	GOP	10,000.00	10,000.00	0.00	REIINN (GIA)
5021199000	16	Preliminary Engineering Design, Survey and Professional Consultations -include tower design preparations, soil boring test, structural and design analysis and engineering consultations - sample Base tower design shall be provided by end-user for supplier's reference - include payment/processing of government permits (e.g. NTC, DILG/LGU etc.) for 2 sites - Submission of design: 45 Days upon the issuance of NTP - Execution: October- December 2021 (preliminary testing/design preparation and permit processing); Jan-March 2022 (actual deployment) 1 lot	RDD	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	329,000.00	329,000.00	0.00	REIINN (GIA)
5021199000	16	Supply, Delivery and Construction of Base Tower Perimeter Fence and Equipment storage Area - construction period: Jan. 2022 or upon the advise of DOST-ASTI - Supplier must provide temporary shelter of construction - No. of Sites: tentative 2 sites materials and manpower 1 lot	RDD	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	393,000.00	393,000.00	0.00	REIINN (GIA)
50604050-03	16	Video Monitoring and Surveillance System - Purpose: For remote monitoring and recording of video images at the chosen sites for security purposes. - Delivery: 30 days upon issuance of NTP 1 lot	RDD	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	150,000.00	0.00	150,000.00	REIINN (GIA)
50604050-14	16	Connectorized RF Power Connectorized Amplifier for LTE Band 71 -Frequency Range: 600-2500MHz -Amplifier Class: Class AB -Gain: 50dB typical - Delivery: 30 days upon issuance of NTP 2 units	RDD	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	365,000.00	0.00	365,000.00	REIINN (GIA)
50604050-14	16	LTE Band 71 Duplexer -Power Rating: 200W CW max. (1500W Peak Max) -Impedance: 50 Ohms nominal - Delivery: 30 days upon issuance of NTP 2 units	RDD	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	225,000.00	0.00	225,000.00	REIINN (GIA)
5029902000	16	Printing and Delivery of IEC Materials - AS size, back-to-back, matte finish, fullcolor - text & design to be provided by end-user - Delivery: 30 days upon issuance of NTP 3300 pcs	RDD	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	39,600.00	39,600.00	0.00	REIINN (GIA)
50604050-03	16	Development Workstations 24 Units	CSD	Competitive Bidding	4th Quarter of 2021	GOP	2,100,000.00	0.00	2,100,000.00	ALaM (GIA)
50604070-01	16	Office Furniture and Fixtures (24 Tables and 24 chairs) 1 lot	CSD	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	400,000.00	0.00	400,000.00	ALaM (GIA)
50299070-01	16	One (1) year subscription to issue Tracking and agile project management tool 1 lot	CSD	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	231,000.00	231,000.00	0.00	ALaM (GIA)
50299070-01	16	One (1) year subscription to web-based test case management software 1 lot	CSD	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	434,000.00	434,000.00	0.00	ALaM (GIA)
50203210-03	16	Laptop Stand with cooling fan 16 pcs	CSD	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	27,200.00	27,200.00	0.00	ALaM (GIA)
50203010-01	16	Wireless Laptop Mouse 16 pcs	CSD	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	20,800.00	20,800.00	0.00	ALaM (GIA)

50203010-01	16	Wireless Laptop Chiclet Keyboard 16 pcs	CSD	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	48,000.00	48,000.00	0.00	ALaM (GIA)
50203210-03	16	Headphone 7pcs	CSD	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	56,000.00	56,000.00	0.00	ALaM (GIA)
50203220-02	16	Technical Book (Hardcopy) Full Stack Python Security: Cryptography, TLS, and attack resistance Author: Dennis Byrne ISBN: 978-1617298820 1pc	CSD	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	6,480.00	6,480.00	0.00	ALaM (GIA)
50203220-02	16	Technical Book (Hardcopy) Software Telemetry: Reliable logging and monitoring Author: Jamie Riedesel ISBN: 978-1617298141 1 pc	CSD	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	6,480.00	6,480.00	0.00	ALaM (GIA)
50203220-02	16	Technical Book (Hardcopy) Advanced Python Programming: Build high performance, concurrent, and multi-threaded apps with Python using proven design patterns Author: Dr. Gabriele Lanaro, Quan Nguyen, Sakis Kasampalis ISBN: 978-1838551216 1pc	CSD	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	6,700.00	6,700.00	0.00	ALaM (GIA)
50203220-02	16	Technical Book (Hardcopy) CPython Internals: Your Guide to the Python 3 Interpreter Author: Anthony Shaw ISBN: 978-1775093343 1pcs	CSD	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	3,900.00	3,900.00	0.00	ALaM (GIA)
50203220-02	16	Technical Book (Hardcopy) Software Architect's Handbook Author: Joseph Ingemo ISBN: 978-1788624060 1pc	CSD	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	6,700.00	6,700.00	0.00	ALaM (GIA)
50203220-02	16	Technical Book (Hardcopy) Solutions Architect's Handbook: Kick-start your solutions architect career by learning architecture design principles and strategies Author: Saurath Shrivastava, Neelanjali Srivastav ISBN: 978-1838645649 1pc	CSD	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	5,360.00	5,360.00	0.00	ALaM (GIA)
50203220-02	16	Technical Book (Hardcopy) Agile Model-Based Systems Engineering Cookbook: Improve system development by applying proven recipes for effective agile systems engineering Author: Bruce Powell Douglass ISBN: 1 pc	CSD	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	9,380.00	9,380.00	0.00	ALaM (GIA)
50604050-03	16	Mobile Transceiver with Programming Software and USB Cable Description: Dual Receive on the same Band (UHF/VHF), 1,000 Multifunction Memory Channels APRS Capable, Invertible Front Panel Multiple Scan, Wide reception:118-524 MHz, 800-1300 MHz Delivery: 60 calendar days upon NTP 1 set	SSED	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	70,000.00	0.00	70,000.00	GRASPED (GIA)
50604050-03	16	Software Define Radio Description: Open-source hardware platform that can be programmed for stand-alone operation Delivery: 60 calendar days upon NTP 2 set	SSED	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	60,000.00	0.00	60,000.00	GRASPED (GIA)
50604050-03	16	Cognitive radio with enclosure Description: - Operating Frequency range: at least 70 MHz to 6 GHz - Instantaneous Bandwidth: up to 56 MHz - Power Output: at least 10 dBm - RX NF: at least 8B Delivery: 60 calendar days upon NTP 2 set	SSED	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	182,000.00	0.00	182,000.00	GRASPED (GIA)
50604050-03	16	UHF/VHF Eggbeater antenna system with cross boom arm Description: Frequency range = 135 to 150 MHz Overhead gain = 5.5 dBic Impedance = 50 ohms VSWR = at least 2.0:1 Pattern = Omnidirectional Polarity: RH circular overhead Power handling: at least 500W Sustainable wind: at least 100 MPH Delivery: 60 calendar days upon NTP 1 set	SSED	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	60,000.00	0.00	60,000.00	GRASPED (GIA)

50604050-03	16	<p>Handheld Radios (APRS Capable)</p> <p>Description:</p> <ul style="list-style-type: none"> • Wide-range RX coverage with continuous reception from 0.5MHz – 999.99MHz (A Band) (USA Cellular Blocked)/ 108MHz – 580MHz (B Band) • Built-in high-sensitivity 66 channel GPS receiver • 1200/ 9600bps APRS Data modem • Real Dual Band Operations (V+V, U+U, V+U, U+V) are available with two independent receivers and supports simultaneous C4FM digital monitoring for both the A and B bands (C4FM/C4FM standby). • A built-in Bluetooth unit is installed in the new FT3DR. Users can enjoy the Hands-Free Operation using the optional YAESU Bluetooth headset SSM-BT10 or a commercially available product. <p>Delivery: 60 calendar days upon NTP 2 set</p>	SSED	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	70,380.00	0.00	70,380.00	GRASPED (GIA)
50604050-03	16	<p>Power Amplifier</p> <p>Description:</p> <ul style="list-style-type: none"> • Radio Frequency VHF Amplifier for extending the communication range • Portable, lightweight, wide coverage RF power amplifier for handheld radio equipment and is equally capable of amplifying both analog and digital signals. • Kit includes the necessary cables and interface connectors <p>Delivery: 60 calendar days upon NTP 2 set</p>	SSED	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	30,000.00	0.00	30,000.00	GRASPED (GIA)
5021199000	16	<p>Professional Electronics Engineer (PECE) Services for Iloilo GRS NTC Permit Application</p> <p>Description: Professional Services - Consultation and Signature for Documentary Requirements needed to apply for NTC Iloilo Permit</p> <p>Delivery: 30 Calendar days upon NTP 1 lot</p>	SSED	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	20,000.00	20,000.00	0.00	GRASPED (GIA)
50299050-01	16	<p>Renewal of Lease of Room Space in a Data Center Facility and Services, including Rack cabinet rental from Oct 1 - 31, 2021</p> <p>1 month</p>	SSED	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	1,849,000.00	1,849,000.00	0.00	SAR with AIS (GIA)
5021199000	16	<p>Fabrication of Corner Reflectors</p> <p>For supply, delivery, and installation of 3 units of movable platform for corner reflectors</p> <p>Description:</p> <p>Each platform should have:</p> <ul style="list-style-type: none"> - 1 platform (2"x3"x1/8" Rectangular Tube) - at least 3 Washer A - at least 3 Heavy Helical Spring Lock Washers (Inch Series) - at least 3 HexNuts (InchSeries) <p>Must be compatible with existing corner reflectors in AST1 Must be finish painted with anti-fouling paint and silver</p> <p>*Blueprints attached</p> <p>Delivery: 60 calendar days upon NTP. Platforms must be tested with existing corner reflectors 1 lot</p>	SSED	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	195,100.00	195,100.00	0.00	SAR with AIS (GIA)

50604050-14	16	<p>Programmable Power Distribution Unit</p> <p>Description: 3pcs Programmable Power Distribution Units with the following specifications:</p> <ul style="list-style-type: none"> • Power Cable Variant: UK Type G • Power input: 1x IEC320 C14, 110/230V (10A) • Power output: 4x IEC-320 C13 (max 10A) • Switching element: 4x SPST-NO relay, ZCS • IOC (output state independent on FW updates): Yes • ZCS (Zero Current Switching): Yes • Configurable default state of each output: On / Off / LAST state • SPD – surge protection: Yes, type 3 • LAN: 2x RJ45 (built-in switch) • RS-232: Yes (3-pin) • Web: Built-in web server • Mobile app: Yes (iOS / Android) • LED indicators: Yes (for each output) • M2M API protocols: SNMP v1/v3, Telnet, Modbus/TCP, SIP VoIP • M2M API – HTTP(s): XML, JSON, URL API (http get) • M2M API – Cloud: MQTT • Lua support: Yes (user scripts) • Control of outputs via RS-232: Yes, using a Lua script – NETIO AN18 • Scheduler function: Yes • IP WatchDog function: Yes • Sending e-mails: Yes (TLS) • Enhanced security: Several password levels, HTTPS, IP filtering • Energy metering: Yes, 18 parameters (2 + 4x4) • Measured parameters: Grid frequency [Hz], Voltage [V] + for each output: Current [A] / Energy [kWh] / Input power [W] / TruePF [-] • Measurement accuracy: <1% • Internal consumption: 2 to 5W <p>Delivery: 30 calendar days upon NTP 1 lot</p>	SSED	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	100,000.00	0.00	100,000.00	SAR with AIS (GIA)
5020503000	16	<p>Connectivity Subscription (including Membership) to SGIX</p> <p>Description: - Includes membership to Singapore IX (SGIX) - Duration: within September - December 2021 1 lot</p>	SSED	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	540,000.00	540,000.00	0.00	InNOVATE (GAA)
50207020-02	16	<p>Lightning Detecting Sensor for prototyping</p> <p>Lightning Detection: Cloud-to-cloud, cloud-to-ground, and intra-cloud lightning discharges Lightning Detection Range: 35km (22 miles) Range resolution: 1km</p> <p>Must include the following: - BT-D-200 Direction Finder with mounting arm - 3 pcs of BT-D-200 Power Cable (20m) - 3 pcs of BT-D-200 Data Cable (20m) - 3 pcs of BT-D-200 Mounting Pole (1.5m) - Universal mains voltage adapter - Serial Communications Interface - Compatible software - Spare Kit - Manual 1 lot</p>	SSED	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	968,000.00	968,000.00	0.00	ULAT (GIA)
5020399000	16	<p>RS422 to 2-wired RS485 Converter</p> <p>Standards: 2-wire RS-485 and 4-wire RS-422 Baud Rates: from 300 bps to 115,200 bps Connector Type: RS485/RS422 Side: either DB9 Male, RJ45 or 5-way Terminal Block Distance: RS485/RS422: at least up to 4000 ft. (1.2km) Max. Number of Connections: 128 Connection Drops 5 units</p>	SSED	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	34,375.00	34,375.00	0.00	ULAT (GIA)
5020399000	16	<p>RS232 to RS485/RS422 Data Converter Adapter</p> <p>Input Voltage: 9 V Baud Rate: up to 115.2 Kbps Distance: at least 4000 ft (1.2 km) 5 units</p>	SSED	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	19,525.00	19,525.00	0.00	ULAT (GIA)
5020399000	16	<p>RS232 to RS422 Network Adapter</p> <ul style="list-style-type: none"> • Connector A type is D-sub, 25-pin (serial) • Connector B type is D-sub, 9-pin (serial) <p>Inclusions: • USB power supply cable • DB25M - DB9F mini adapter 5 units</p>	SSED	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	63,800.00	63,800.00	0.00	ULAT (GIA)
5020399000	16	<p>Serial (RS232/RS422/RS485) to Ethernet TCP/IP Server</p> <ul style="list-style-type: none"> • Must Support DHCP/DNS • Must Support built-in webpage <p>5 units</p>	SSED	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	25,712.00	25,712.00	0.00	ULAT (GIA)

5020399000	16	2-wired RS485 to Ethernet Converter Ethernet Specification Connector: 4-pin RJ45 Protocols: IP, TCP, UDP, ARP, ICMP, DHCP, DNS, HTTPD Client RS485 Specification Connection: screw terminal (A+, B-, GND) 5 units	SSED	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	14,712.00	14,712.00	0.00	ULAT (GIA)
5020399000	16	Waterproof Rain Boots Size: At least 14 inches tall 15 pairs	SSED	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	8,250.00	8,250.00	0.00	ULAT (GIA)
5020399000	16	Rain Coat Material: PVC Thickness: Must be at least 0.32mm 15 pcs	SSED	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	10,725.00	10,725.00	0.00	ULAT (GIA)
5020399000	16	Mechanical Gloves Material: Leather 15 pairs	SSED	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	10,725.00	10,725.00	0.00	ULAT (GIA)
5020399000	16	Sun Cap with removable flaps 15 pcs	SSED	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	8,250.00	8,250.00	0.00	ULAT (GIA)
50203210-13	16	Lockable Heavy Duty Tool Box Dimensions must be at least: Height: 9 in. Length: 19 in. Width: 10.5 in. 2 pcs	SSED	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	6,050.00	6,050.00	0.00	ULAT (GIA)
5020399000	16	Heavy Duty Umbrella Diameter: At least 60 inches Material: Metal Frame 5 pcs	SSED	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	6,875.00	6,875.00	0.00	ULAT (GIA)
50299020-03	16	Vehicle Rental for the maintenance of V-POTEKA stations Regular airconditioned van Destinations: Dagupan, Pangasinan and Mufloz, Nueva Ecija 1 lot	SSED	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	30,800.00	30,800.00	0.00	ULAT (GIA)
50299020-03	16	Vehicle Rental for the project's deployment activities for the P-POTEKA stations Regular airconditioned van Destinations: Within Metro Manila, Cavite, Taytay and Antipolo 1 lot	SSED	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	79,200.00	79,200.00	0.00	ULAT (GIA)
50604050-03	16	Server - Processor is Four-core Intel Xeon Processor E5-2637 v4 3.5.3 7GHz Turbo or equivalent - Memory is 4 x 64GB DDR4 ECC LRDIMM 2666, 1.2V, corrects single-bit errors and detect double-bit errors (using ECC memory) - Disk is 2 x 1.92TB or larger SATA Enterprise 2.5" SSD 6.0Gb/s - Drive Bays: 2x 2.5" Fixed Drive Bays - Network is Dual Port Gigabit Ethernet - USB Disk for Linux: Include 128Gb USB 3.0 Flashdisk - Warranty: 3 years Manufacturer's Warranty (Parts and labor) Delivery: 60 Calendar days upon NTP 1 unit	SSED	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	550,000.00	0.00	550,000.00	NTC Reg. 8 (GIA)
50604050-03	16	Server - Processor is Four-core Intel Xeon Processor E5-2637 v4 3.5.3 7GHz Turbo or equivalent - Memory is 4 x 64GB DDR4 ECC LRDIMM 2666, 1.2V, corrects single-bit errors and detect double-bit errors (using ECC memory) - Disk is 2 x 1.92TB or larger SATA Enterprise 2.5" SSD 6.0Gb/s - Drive Bays: 2x 2.5" Fixed Drive Bays - Network is Dual Port Gigabit Ethernet - USB Disk for Linux: Include 128Gb USB 3.0 Flashdisk - Warranty: 3 years Manufacturer's Warranty (Parts and labor) - Supplier will install the latest Ubuntu Server OS Delivery: 60 Calendar days upon NTP 1 unit	SSED	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	550,000.00	0.00	550,000.00	NTC Reg. 11 (GIA)
50604050-03	16	Laptops for development - Processor: Intel Core i7-1165G7 (4C / 8T, 2.8 / 4.7Ghz, 12MB) or equivalent - Display: 14" FHD (1920x1080) IPS 300nits Anti-glare - Memory: 16GB DDR4 (8 GB Soldered DDR4-3200 + 8GB SO-DIMM DDR4-3200) - Storage: 1 TB SSD M.2 2280 PCIe x4 NVMe Opal2 - Graphics: Integrated Intel Iris Xe Graphics or equivalent - Camera: 720p with Privacy shutter + 2x, Array Microphone - Audio: High Definition (HD) Audio, ALC3287 codec+ Stereo Speakers, 2W x 2 - Operating System: Dual Boot (1) Windows 10 Pro 64 and (2) latest Ubuntu OS Delivery: 60 Calendar days upon NTP 4 units	SSED	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	506,000.00	0.00	506,000.00	NTC Reg. 8 (GIA)

50604050-03	16	<p>Laptops for testing Hardware specs for 1 unit @ Php126,500</p> <ul style="list-style-type: none"> - Processor: Intel Core i7-1165G7 (4C / 8T, 2.8 / 4.7Ghz, 12MB) or equivalent - Display: 14" FHD (1920x1080) IPS 300nits Anti-glare - Memory: 16GB DDR4 (8 GB Soldered DDR4-3200 + 8GB SO-DIMM DDR4-3200) - Storage: 1TB SSD M.2 2280 PCIe x4 NVMe Opal2 - Graphics: Integrated Intel Iris Xe Graphics or equivalent - Camera: 720p with Privacy shutter + 2x, Array Microphone - Audio: High Definition (HD) Audio, ALC3287 codec+ Stereo Speakers, 2W x 2 - Operating System: Dual Boot (1) Windows 10 Pro 64 and (2) latest Ubuntu OS <p>Hardware specs for 1 unit @ Php99,000</p> <ul style="list-style-type: none"> - Processor: M1 Chip with 8-core CPU, 8-core GPU, and 16-core Neural Engine - Display: 13" Retina Display with True Tone (2560 x 1600) - Memory: 8 GB unified Memory - Storage: 256GB SSD Storage - Camera: 720p HD Camera - Audio: Stereo speakers with high dynamic range, wide stereo sound - Operating System: <p>Delivery: 60 Calendar days upon NTP 2 units</p>	SSED	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	225,000.00	0.00	225,000.00	NTC Reg. 11 (GIA)
50604050-03	16	<p>Router</p> <ul style="list-style-type: none"> - Form Factor: 2 RU - Redundant AC Power Supply Unit with C13 power cables rated for 220v/30A - Supplier warranty for 1 year - Switching: 120Gbps - Integrated Route Switch Processor - High-capacity full-duplex integrated dual switch fabric - Processor: 4 cores, 2.4Ghz Intel CPU or equivalent - 32-GB ECC-protected DRAM - Memory external: USB 2.0 Type A receptacle - IPv4 Routing (BGP, Intermediate System-to-Intermediate System [IS-IS], and Open Shortest Path First [OSPF]), Hot Standby Router Protocol (HSRP), Virtual Router Redundancy Protocol (VRRP), and IPv6 routing (OSPF v3 and ISIS) <p>Delivery: 60 Calendar days upon NTP 1 unit</p>	SSED	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	4,400,000.00	0.00	4,400,000.00	NTC Reg. 3 (GIA)
50604050-03	16	<p>Network Switch 1</p> <ul style="list-style-type: none"> - Form Factor: 1 RU - 24x 100/1000 Ethernet Ports, 4 x SFP+ Ethernet Ports - CPU: Single Core, 32bit Architecture - Dual boot operating system - 512MB RAM - PoE Out Ports: Ether 1 to Ether 24 - Single Power, AC Input (1) One <p>Delivery: 60 Calendar days upon NTP 1 pc</p>	SSED	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	27,500.00	0.00	27,500.00	NTC CARAGA (GIA)
50203210-03	16	<p>Network Switch 1 SFP</p> <ul style="list-style-type: none"> - Connector: Dual LC PPC - Data Rate: 1.25G - Mode: Single Mode - Wavelength: 1310nm -MTBF: Approximately 100'000 hours at 25C <p>Delivery: 60 Calendar days upon NTP 2 pcs</p>	SSED	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	7,700.00	7,700.00	0.00	NTC CARAGA (GIA)
50203210-03	16	<p>Network Switch 1 SFP+</p> <ul style="list-style-type: none"> - Connector: Dual LC PPC - Data Rate: 1/10G - Mode: Single Mode - Wavelength: 1310nm -MTBF: Approximately 100'000 hours at 25C <p>Delivery: 60 Calendar days upon NTP 2 pcs</p>	SSED	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	22,000.00	22,000.00	0.00	NTC CARAGA (GIA)

50203210-03	16	<p>WiFi Indoor Architecture: ARM 32bit CPU: IPQ-4018, 4 Core, 716MHz Dimensions: Round case: 136mm, height: 30mm; or Square case: 145mm ax 145mm x 30mm OS License: 4 RAM: 128MB Storage: 16MB, FLASH Tested Ambient Temperature: -40°C to 50°C MTBF: Approximately 100'000 hours at 25C Wireless 2.4 GHz Max data rate: 300 Mbit/s Wireless 2.4 GHz Number of chains: 2 Wireless 2.4 GHz standards: 802.11b/g/n Antenna gain dBi for 2.4 GHz: 2 Wireless 2.4 GHz chip model: IPQ-4018 Wireless 2.4 GHz generation: 2 Wireless 5 GHz Max data rate: 876 Mbit/s Wireless 5 GHz number of chains: 2 Wireless 5 GHz standards: 802.11 a/n/ac Antenna gain dBi for 5 GHz: 2.5 Wireless 5 GHz chip model: IPQ-4018 Wireless 5 GHz Generation: 2 PoE in: 802.3 af/at PoE in input Voltage: 17-57 V Number of DC inputs: 1 (PoE-IN) Max Power Consumption: 24 W Max Power Consumption with attachments: 13W FAN Count: Passive PoE-out Ports: Ether2 PoE out: Passive PoE up to 57V Max out per port output (input < 30 V): 500mA Max out per port output (input > 30 V): 400mA Max total out (A): 500mA</p> <p>Delivery: 60 Calendar days upon NTP 2 pcs</p>	SSED	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	11,000.00	11,000.00	0.00	NTC CARAGA (GIA)
50203210-03	16	<p>WiFi Outdoor Architecture: ARM 32bit CPU: IPQ-4018, 4 Core Dimensions: 185 x 85 x 30 mm OS License: 4 RAM: 128 MB Storage: 16 MB, FLASH MTBF: Approximately 100'000 hours at 25C Wireless 2.4 GHz Max data rate: 300 Mbit/s Wireless 2.4 GHz Number of chain: 2 Wireless 2.4 GHz Standards: 802.11b/g/n Antenna gain dBi for 2.4 GHz: 2.5 Wireless 2.4 GHz chip model: IPQ-4018 Wireless 2.4 GHz generation: Wi-Fi 4 Wireless 5 GHz Max data rate: 867 Mbit/s Wireless 5 GHz number of chain: 2 Wireless 5 GHz standards: 802.11a/n/ac Antenna gain dBi for 5GHz: 2.5 Wireless 5 GHz chip model: IPQ-4018 Wireless 5 GHz generation: Wi-Fi 5 AC speed: AC1200 Ports: 2x 10/100/1000 Ethernet ports PoE in: 802.3af/at PoE in input Voltage: 18-57 V Number of DC inputs: 2 (DC Jack, PoE-IN) DC jack input voltage: 10-57V Max power consumption: 10 W Max power consumption without attachments: 9 W Fan count: Passive Certification: CE, FCC, IC, EAC, RoHS PCB temperature monitor: Yes Voltage Monitor: Yes Warranty: 1 Year Manufacturer's warranty (Parts and labor)</p> <p>Delivery: 60 Calendar days upon NTP 1 pc</p>	SSED	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	7,700.00	7,700.00	0.00	NTC CARAGA (GIA)
50604050-03	16	<p>Network Switch 2 - Form Factor: 2 RU - Throughput (Tbps): 7.2 - Ports: 96x 100G/ 1GE/ 10GE Copper Ports / SFP / SFP+ - 40 GE / 100GE Ports: 12 - Latency (microseconds): ~1 - Buffer (MB): 40 - Power supply (watts): 2 per switch, dual power at 1200 watts - Typical Power (watts): 21 Delivery: 60 Calendar days upon NTP 1 unit</p>	SSED	Competitive Bidding	4th Quarter of 2021	GOP	2,200,000.00	0.00	2,200,000.00	NTC CARAGA (GIA)
50203210-03	16	<p>Mobile Phone for Testing Android phone, low end Min. specs: Display: 6.2 inches Android 8.0 (Oreo), upgradable to Android 10, One UI 2.5 Octa-core (4x2.7 GHz)</p> <p>Delivery: 60 Calendar days upon NTP 1 pc</p>	SSED	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	11,000.00	11,000.00	0.00	NTC Reg. 8 (GIA)

50604050-03	16	<p>Mobile Phones for Testing</p> <p>Breakdown:</p> <p>Android phone, middle end - 1 pc @ Php33,000 8GB ram 512GB internal storage Memory: 8GB Storage: 512GB MicroSD storage: Up to 512GB Screen size: 6.4 inches Resolution: 2960 x 1440 Connectivity: Bluetooth 5, NFC Battery: 4,000mAh Size: 161.9 x 76.4 x 8.8 mm Weight: 201 g (7.09 oz) Operating system: Android 8.1 Oreo</p> <p>Android phone, high end - 1 pc @ Php55,000 Android 11 CPU :Octa-core (1x2.4 GHz Kryo 475 Prime & 1x2.2 GHz Kryo 475 Gold & 6x1.8 GHz Kryo 475 Silver) GPU : Adreno 620</p> <p>iOs Phone - 1 pc @ Php66,000 OS: iOS 14.1, upgradable to iOS 14.7 CPU: Hexa-core (2x3.1 GHz Firestorm + 4x1.8 GHz Icestorm) Memory: 64GB 4GB RAM</p> <p>Delivery: 60 Calendar days upon NTP 1 lot</p>	SSED	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	154,000.00	0.00	154,000.00	NTC Reg. 8 (GIA)
5021321000	16	8D Gen Set Battery Supply, Delivery, Installation, Testing and Commissioning of 8D Battery 1 piece	FAD	NP-53.9 Small Value Procurement	3rd Quarter of 2021	GOP	32,450.00	32,450.00	0.00	(GAA)
5020321002	16	Earphones 6 units	FAD	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	20,621.70	20,621.70	0.00	(GAA)
5020321002	16	Headphones 5 units	FAD	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	15,655.00	15,655.00	0.00	(GAA)
5020321002	16	Wireless Headphones 2 units	FAD	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	6,927.80	6,927.80	0.00	(GAA)
50203220-01	16	Executive Chair Mid Back Material: Leatherette, Chrome Leg Color: Black 1 unit	FAD	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	4,730.00	4,730.00	0.00	(GAA); Modified amount
5020321002	16	3 Seater Stainless Steel Waiting Chair Dimensions: 175 x 65 x 78 cm 1 unit	FAD	NP-53.9 Small Value Procurement	3rd Quarter of 2021	GOP	8,751.88	8,751.88	0.00	(GAA)
5020321002	16	Bar Stool swivel Chair with back rest *black cloth rotated office chair middle back * Plastic fixed armrest * Est. Size: W61 X D 61 X H113-124.5 CM 1 unit	FAD	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	3,822.13	3,822.13	0.00	(GAA)
5020321002	16	ALCOHOL DISPENSER - For Alcohol/Gel Hand Sanitizer - when the infrared smart sensor detected the hand beneath the sprayer within around 3" (7.6cm), the spray automatically turned on, and auto turned off after certain dosage - Visible window - Semi transparent window allows you easily see how much volume left - Convenient battery cell for 4*AA battery power supply - Auto spray once when detect hands beneath, super useful for public places - Firm Stand but not too heavy, easy to install and remove - Material: ABS Alloy - Working mode: Automatic - Capacity: 500 ml(17oz) - Sensor distance: 8 cm - Dispenser size: 14x14x29cm - Size of Stand: 120cm (approx) Package includes: - 1x Auto alcohol/gel sanitizer dispenser - 1x Dispenser stand 20 units	FAD	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	53,408.67	53,408.67	0.00	(GAA)
5020321002	16	THERMAL SCANNER (indoor) Specification - Theory: F and C degrees (Fahrenheit and Centigrade) - Accuracy tolerance: +/- 0.2 (34 ~ 45 degree C) With voice broadcast function - Automatic alarm for abnormal temperature: Red light flashes, continuous alarm sound - Distance: 5 ~ 10 cm - Display: Digital display - Measuring temperature: 0 ~ 80 degree C - Ambient temperature: 5 ~ 45 degree C - Response time: 500 ms - Standby: 5 s - Automatic Alarm: Flashing red light and audible alarm for 10 seconds - Charging Method: USB charging or Portable chargers - colour:white product features: 1. Non-contact, no need to hold hands to avoid cross infection. 2 units	FAD	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	4,730.00	4,730.00	0.00	(GAA)

5020321002	16	Aluminum Rack with Sink * SIZE: 39 x 43 x 83 cm (LWH) * MATERIAL: Aluminum PVC, Aluminum coated 1 unit	FAD	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	3,582.70	3,582.70	0.00	(GAA)
5020321002	16	Aluminum Rack with Sink * SIZE: 84 x 45 x 83 cm (LWH) * MATERIAL: Aluminum PVC, Aluminum coated 2 units	FAD	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	11,446.60	11,446.60	0.00	(GAA)
5020399000	16	Automatic Soap Dispenser * DIMENSIONS: 8cm L x 10cm W x 21cm H * MATERIAL: ABS Plastic * RATED POWER: 5W * VOLTAGE: 4.5V * POWER: 3 AA Batteries * TANK VOLUME: 300 ml 2 units	FAD	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	2,359.13	2,359.13	0.00	(GAA)
5020321002	16	Air Purifier - Color: White - Applicable Room Area: 41sqm - Air Purification: 13.2m2 purified in approx. 11 min.) - Power Supply: 1 Phase, 220-240/220-230V, 50/60Hz - Mode: Quiet / Low / Standard / Turbo - Dimensions: H500 X W270 X D270 - Weight (kg): 6.8 - Dust collection filter: Electrostatic HEPA filter 36 units	FAD	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	522,000.00	522,000.00	0.00	(GAA)
5020321002	16	Air Purifier - Color: White - Applicable Room Area: 31sqm - Air Purification: 13.2m2 purified in approx. 15 min - Power Supply: 1 Phase, 220-240/220-230V, 50/60Hz - Mode: Quiet / Low / Standard / Turbo - Dimensions: H500 X W270 X D270 - Weight (kg): 6.8 - Dust collection filter: Electrostatic HEPA filter 13 units	FAD	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	162,162.00	162,162.00	0.00	(GAA)
5060405002	16	Lobby Couch * Sofa, 3-seater leatherette * color: Black 2 units	FAD	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	40,000.00	0.00	40,000.00	(GAA)
50207020-02	16	Depth Camera - Note1: to be used for development and prototyping - Note2: to be integrated with other components 1 pc	RDD	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	25,000.00	25,000.00	0.00	ROAMER (GIA)
50207020-02	16	Water Pump - 10 Bar - Note1: to be used for development and prototyping - Note2: to be integrated with other components 1 pc	RDD	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	29,500.00	29,500.00	0.00	ROAMER (GIA)
50207020-02	16	Autonomous Machine Developer Kit - Advanced - Note1: to be used for development and prototyping - Note2: to be integrated with other components 1 pc	RDD	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	70,000.00	70,000.00	0.00	ROAMER (GIA)
50207020-02	16	GPS-RTK-SMA Breakout - Note1: to be used for development and prototyping - Note2: to be integrated with other components 1 pc	RDD	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	28,000.00	28,000.00	0.00	ROAMER (GIA)
5020399000	16	Autonomous Machine Developer Kit - Basic - Note 1: to be used for prototyping - Note 2: to be integrated with other components 5 pcs	RDD	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	60,000.00	60,000.00	0.00	ROAMER (GIA)
50203010-01	16	WiFi Wireless Bluetooth Nano USB Adapter - Note 1: to be used for prototyping - Note 2: to be integrated with other components 6 pcs	RDD	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	8,100.00	8,100.00	0.00	ROAMER (GIA)
5020399000	16	Power Supply - Compatible with Basic Autonomous Machine Developer Kit - Note 1: to be used for prototyping - Note 2: to be integrated with other components 5 pcs	RDD	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	5,000.00	5,000.00	0.00	ROAMER (GIA)
5020399000	16	Water Pump - 12V - Note 1: to be used for prototyping - Note 2: to be integrated with other components 2 pcs	RDD	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	550.00	550.00	0.00	ROAMER (GIA)
5020399000	16	Motor Driver Module - L298N - Note 1: to be used for prototyping - Note 2: to be integrated with other components 4 pcs	RDD	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	600.00	600.00	0.00	ROAMER (GIA)
5020399000	16	Silicone Tube - 5mm/8mm - Note 1: to be used for prototyping - Note 2: to be integrated with other components 4 pcs	RDD	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	2,000.00	2,000.00	0.00	ROAMER (GIA)
5020399000	16	DC Gear Motor - Note 1: to be used for prototyping - Note 2: to be integrated with other components 4 pcs	RDD	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	5,400.00	5,400.00	0.00	ROAMER (GIA)
5020399000	16	Sprinkler - 1/2" - Note 1: to be used for prototyping - Note 2: to be integrated with other components 2 pcs	RDD	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	550.00	550.00	0.00	ROAMER (GIA)

5020399000	16	GNSS Multi-Band Magnetic Mount Antenna - 5m (SMA) - Note 1: to be used for prototyping - Note2: to be integrated with other components 4 pcs	RDD	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	1,400.00	1,400.00	0.00	ROAMER (GIA)
5020399000	16	Gear Set - Note 1: to be used for prototyping - Note2: to be integrated with other components 3 pcs	RDD	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	12,000.00	12,000.00	0.00	ROAMER (GIA)
5020399000	16	Brushless DC Motor Controller - Note 1: to be used for prototyping - Note2: to be integrated with other components 2 pcs	RDD	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	19,000.00	19,000.00	0.00	ROAMER (GIA)
5020399000	16	GNSS Multi-Band Magnetic Mount Antenna - 5m (SMA) - Note 1: to be used for prototyping - Note2: to be integrated with other components 1 pc	RDD	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	7,500.00	7,500.00	0.00	ROAMER (GIA)
50203010-01	16	Wireless Mouse - Note: to be used for daily work 6 pcs	RDD	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	6,900.00	6,900.00	0.00	ROAMER (GIA)
50203210-03	16	Headset - Note: to be used for daily work 7 pcs	RDD	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	10,500.00	10,500.00	0.00	ROAMER (GIA)
50203210-03	16	Laptop Riser - Note: to be used for daily work 6 pcs	RDD	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	11,400.00	11,400.00	0.00	ROAMER (GIA)
5020399000	16	Office Chair - Note: to be used for daily work 7 pcs	RDD	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	29,750.00	29,750.00	0.00	ROAMER (GIA)
5020399000	16	Software License – Numeric Computing Platform 1 lot	RDD	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	670,000.00	0.00	670,000.00	ROAMER (GIA)
5020399000	16	Mobile Robot Platform (including sensors and peripherals) 1 lot	RDD	Competitive Bidding	4th Quarter of 2021	GOP	2,700,000.00	0.00	2,700,000.00	ROAMER (GIA)
50604050-03	16	Laptops Processor: Intel Core i5-1135G7 processor or equivalent Memory: at least 8GB DDR4 Storage: at least 512 GB, M.2 2280 Screen: 14" FHD (1920x1080) Windows 10 Pro 64-bit operating system 2 units	KMD	Competitive Bidding	3rd Quarter of 2021	GOP	184,000.00	0.00	184,000.00	(GAA); Modified amount
5060405003	16	Laptop 7 units	FAD	Competitive Bidding	4th Quarter of 2021	GOP	644,000.00	0.00	644,000.00	(GAA); Modified quantity/size, amount
TOTAL							27,212,747.11	9,967,501.11	17,245,246.00	

Prepared and Consolidated By:

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