

Annual Procurement Plan for 2021
APP-2021-NCSE-018

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	
5029907001	18 PDF editor subscription (1 year) 8 units	RDD	NP-53.9 Small Value Procurement	4th Quarter of 2021				GOP	72,000.00	72,000.00	0.00	(GAA)
50213060-01	18 Repair/Replacement of parts for Toyota Innova 1 lot	FAD	NP-53.9 Small Value Procurement	4th Quarter of 2021				GOP	57,168.10	57,168.10	0.00	(GAA)
50203210-02	18 Wireless Headphones 2 units	FAD	NP-53.9 Small Value Procurement	4th Quarter of 2021				GOP	8,724.44	8,724.44	0.00	(GAA); Modified amount
50213060-01	18 Preventive Maintenance for Ford Ecosport for 20,000KM 1 lot	FAD	NP-53.9 Small Value Procurement	2nd Quarter of 2021				GOP	14,200.00	14,200.00	0.00	(GAA)
50213060-01	18 Preventive Maintenance for Ford Ecosport for 30,000KM 1 lot	FAD	NP-53.9 Small Value Procurement	4th Quarter of 2021				GOP	25,800.00	25,800.00	0.00	(GAA)
50203010-02	18 YMCKO 5 Panel Color Ribbon 300 prints/roll - must be compatible with Seatory S22 Prime 5 rolls	FAD	NP-53.9 Small Value Procurement	4th Quarter of 2021				GOP	31,350.00	31,350.00	0.00	(GAA)
50203990-00	18 Corner plate for slotted angle bar 160 pieces	FAD	NP-53.9 Small Value Procurement	4th Quarter of 2021				GOP	4,800.00	4,800.00	0.00	(GAA)
50203990-00	18 Footer for slotted angle bar 20 pieces	FAD	NP-53.9 Small Value Procurement	4th Quarter of 2021				GOP	3,600.00	3,600.00	0.00	(GAA)
50203010-01	18 Wireless Keyboard 2 units	FAD	NP-53.9 Small Value Procurement	4th Quarter of 2021				GOP	2,600.00	2,600.00	0.00	(GAA); Modified amount
5020201002	18 Procurement of Training Services on Risk Management using ISO 31000:2018 Scope: The training aims to enable participants: 1) To provide basic knowledge on risk, risk management, its concepts and processes; 2) To learn the skills in conducting risk assessment so that solutions to potential risks and problems are effectively prevented from occurrence; and 3) To do improvements in their preventive action planning and implement risk management process 1 lot	FAD	NP-53.9 Small Value Procurement	4th Quarter of 2021				GOP	50,000.00	50,000.00	0.00	(GAA); Modified description
5020399000	18 RAK2247 LoRa Gateway - Concentrator Module -LoRaWAN multichannel concentrator module with mPCIe to USB Board -Purpose: for development and for comparison of set-top box 1 piece	RDD	NP-53.9 Small Value Procurement	4th Quarter of 2021				GOP	9,500.00	9,500.00	0.00	REIINN (GIA); Modified description, amount
50299050-03	18 Vehicle Rental for REIINN Project Deployment Activities- Region 3 1. General Requirements 1.1 Estimated Duration: Total of 28 days Rental 1.1.1. Inclusive dates: November 2021 to April 2022 (see attached file for the target [tentative] dates of travel) 1.1.2. Service Schedule: maximum of 12 hours per day (point to point- single or multiple destination) 1.2. Destinations: 1.2.1. Region 3 Potential Site: Bulacan 1.3. Vehicle Type 1.3.1. 4x4 van with dual airconditioning and can carry at least 7 passengers 1.3.2. 4x4 pick up type with airconditioning and can carry at least 3 passengers and can accommodate equipment for testing (possibility that some chairs will be removed, if needed) 2. Schedule of trips shall be confirmed by the end-user, through the Procurement Management Section at least three (3) days before the actual travel 1 lot	RDD	NP-53.9 Small Value Procurement	4th Quarter of 2021				GOP	215,000.00	215,000.00	0.00	REIINN (GIA)

50299050-03	18	Vehicle Rental for REIINN Project Deployment Activities- Region 4A 1. General Requirements 1.1. Estimated Duration: Total of 23 days Rental 1.1.1. Inclusive dates: November 2021 to April 2022 (see attached file for the target [tentative] dates of travel) 1.1.2. Service Schedule: maximum of 12 hours per day (point to point- single or multiple destination) 1.2. Destinations: 1.2.1 Region 4A Potential Site: Tanay, Rizal 1.3. Vehicle Type 1.3.1 4x4 van with dual airconditioning and can carry at least 7 passengers 1.3.2. 4x4 pick up type with airconditioning and can carry at least 3 passengers and can accommodate equipment for testing (possibility that some chairs will be removed, if needed) 2. Schedule of trips shall be confirmed by the end-user, through the Procurement Management Section at least three (3) days before the actual travel 1 lot	RDD	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	185,000.00	185,000.00	0.00	REIINN (GIA)
5020399000	18	Embedded Systems - LORA RF Platform Evaluation Expansion Board - Compatible as a Raspberry Pi Hat - Operating Voltage 5V - Power Interface - Purpose: Part of RuralCasting prototype - will be used to send data back from end-user to backend 1 unit	RDD	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	2,052.00	2,052.00	0.00	REIINN (GIA)
50207020-01	18	Embedded Systems - Single Board Computer x86- 64 GB eMMC - Architecture: x86, 64-bit - Intel HD Graphics @ 200-500 MHz - 4 GB DDR3L - Inbuilt Storage 64 GB eMMC - Purpose: Will be used as SBC for set-top box (ruralcasting) prototype 1 unit	RDD	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	23,445.00	23,445.00	0.00	REIINN (GIA)
50207020-01	18	Embedded Systems - Single Board Computer x86 - 32 GB eMMC v5 - Intel Celeron N4100 + Arduino Leonardo co-processor - Architecture: x86, 64-bit - Intel UHD Graphics 600 - Memory: 4GB LPDDR4 2400MHz - Inbuilt Storage 32 GB eMMC v5 - Purpose: Will be used as SBC for set-top box (ruralcasting) prototype 1 unit	RDD	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	22,275.00	22,275.00	0.00	REIINN (GIA)
50207020-02	18	Photovoltaic Capture, Conversion, and Storage System -Rate Voltage: 12V Max. PV Charging Current: 10 A & 30A -for R&D- to provide power source to the radio unit and RF-front end component of LTE Base Station prototype 2 unit	RDD	NP-53.9 Small Value Procurement	3rd - 4th Quarter 2021	GOP	85,000.00	85,000.00	0.00	REIINN (GIA); Modified description, amount
5021199000	18	Fabricated Signages (Government Warning Signs) - inclusive of fabrication and printing - Delivery: 30 days upon issuance of NTP 6 sets	RDD	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	30,000.00	30,000.00	0.00	REIINN (GIA); Modified description, amount
50203220-02	18	Technical Book: Quantum Computing in Practice with Qiskit® and IBM Quantum Experience®: Practical recipes for quantum computer coding at the gate and algorithm level with Python Author: Hassi Norlen ISBN-13: 978-1838828448 ISBN-10: 1838828443 1 piece	CSD	NP-53.9 Small Value Procurement	3rd Quarter of 2021	GOP	4,500.00	4,500.00	0.00	Gulai (GAA)
50203220-02	18	Technical Book: Introducing Design Automation for Quantum Computing Author: Alwin Zulehner, Rober Wille, ISBN-13: 978-3030417529 ISBN-10: 3030417522 1 piece	CSD	NP-53.9 Small Value Procurement	3rd Quarter of 2021	GOP	11,000.00	11,000.00	0.00	Gulai (GAA)
5020399000	18	Acrylic Plastic Sheet for Prototyping 10 units	CSD	NP-53.9 Small Value Procurement	3rd Quarter of 2021	GOP	100,000.00	100,000.00	0.00	Gulai (GAA)
5020399000	18	Single Board Computer/Microcomputer for Prototyping 4 units	CSD	NP-53.9 Small Value Procurement	3rd Quarter of 2021	GOP	26,000.00	26,000.00	0.00	Gulai (GAA); Modified amount
5020399000	18	PH Level Sensor Kit for Prototyping 3 units	CSD	NP-53.9 Small Value Procurement	3rd Quarter of 2021	GOP	10,500.00	10,500.00	0.00	Gulai (GAA); Modified amount
5020399000	18	Microcontroller with GPU for Computer Vision for Prototyping 1 unit	CSD	NP-53.9 Small Value Procurement	3rd Quarter of 2021	GOP	9,000.00	9,000.00	0.00	Gulai (GAA); Modified amount
5020399000	18	Sealing Rubber Gasket Tape for Prototyping 5 units	CSD	NP-53.9 Small Value Procurement	3rd Quarter of 2021	GOP	7,000.00	7,000.00	0.00	Gulai (GAA); Modified amount
50203990 00	18	600MHz USB-based microcontroller development system -32 bit ARM processor, 600 MHz Cortex-M7, 2048Kb Flash memory, 1024Kb RAM, (with pin) 6 pcs	SSED	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	15,600.00	15,600.00	0.00	Stations (GAA) ; Modified amount
50203990 00	18	Ultrasonic Sensor HRXL-MAXSONAR -Frequency: 42kHz, Voltage - Rated: 2.8 V ~ 5.5 V, Beam Angle: 11° 3 pcs	SSED	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	40,800.00	40,800.00	0.00	Stations (GAA) ; Modified amount
5020399000	18	3 IN 1 MINI WELDING MACHINE MIG TIG ARC 300A - 3in1 Welding Machine Inverter MIG/TIG/MMA (GASLESS)300Amp - Delivery 45 calendar days upon receipt of NTP 1 set	SSED	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	13,560.00	13,560.00	0.00	MASID (GAA)

5020399000	18	AUTO DARKENING WELDING HELMET - Auto Darkening Welding Helmet with 4C Lens Technology, Black - Delivery 45 calendar days upon receipt of NTP 1 piece	SSED	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	14,990.00	14,990.00	0.00	MASID (GAA)
5020399000	18	WELDING ROD SPECIAL 6013 welding rod 6013 1-8- 3.2 mm Delivery 45 calendar days upon receipt of NTP 10 sets	SSED	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	4,200.00	4,200.00	0.00	MASID (GAA)
5020399000	18	0.8 MM MIG WELD ROD 10KG - Fluxcored MIG Welding Wire for stainless - Delivery 45 calendar days upon receipt of NTP 10 pieces	SSED	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	11,700.00	11,700.00	0.00	MASID (GAA)
5020399000	18	0.9 MM MIG WELD ROD 10KG - Gasless Fluxcored MIG Wire for Steel - Delivery 45 calendar days upon receipt of NTP 10 pieces	SSED	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	9,100.00	9,100.00	0.00	MASID (GAA)
5020399000	18	WELDING GLOVES - Cowhide Welding Gloves - Delivery 45 calendar days upon receipt of NTP 2 sets	SSED	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	8,080.00	8,080.00	0.00	MASID (GAA)
5020399000	18	ELECTRICAL TAPE - Electrical tape 19mm x 16m Big Black - Delivery 45 calendar days upon receipt of NTP 50 pieces	SSED	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	2,500.00	2,500.00	0.00	MASID (GAA)
5020399000	18	SOLDERING LEAD - 1.27mm Wire Lead solder, 183°C Melting Point - Delivery 45 calendar days upon receipt of NTP 2 pieces	SSED	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	14,620.00	14,620.00	0.00	MASID (GAA)
5020399000	18	SOLDERING PASTE - Soldering Rosin Paste Flux -(2 oz) - Delivery 45 calendar days upon receipt of NTP 20 pieces	SSED	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	13,000.00	13,000.00	0.00	MASID (GAA)
5020399000	18	PORTABLE SOLDERING IRON - Battery Soldering Iron, 12V, 25W - Delivery 45 calendar days upon receipt of NTP 4 pieces	SSED	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	13,280.00	13,280.00	0.00	MASID (GAA)
5020399000	18	SAFETY HARNESS - WAIST - Safety Belt with Adjustable Lanyard - Delivery 45 calendar days upon receipt of NTP 4 pieces	SSED	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	12,160.00	12,160.00	0.00	MASID (GAA)
5020399000	18	WATERPROOF HAT - Waterproof Mountain Trekking Hat - Delivery 45 calendar days upon receipt of NTP 6 pieces	SSED	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	9,120.00	9,120.00	0.00	MASID (GAA)
5020399000	18	OUTDOOR PANTS - breathable pants. Comes with a zipper, this pants can be converted to shorts - Delivery 45 calendar days upon receipt of NTP 6 pieces	SSED	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	9,600.00	9,600.00	0.00	MASID (GAA)
5020399000	18	BENCH VISE - 5-Inch Heavy-Duty Workshop Bench Vise with Swivel Base - Delivery 45 calendar days upon receipt of NTP 1 piece	SSED	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	14,990.00	14,990.00	0.00	MASID (GAA)
5020399000	18	HACKSAW BLADE 12" - 100PCS BI-METAL HACKSAW BLADE - Delivery 45 calendar days upon receipt of NTP 1 unit	SSED	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	6,750.00	6,750.00	0.00	MASID (GAA)
5020399000	18	HACKSAW BLADE FRAME Square lacquered steel tube bow frame - With aluminum handle - Including 1pcs saw blade - Delivery 45 calendar days upon receipt of NTP 4 pieces	SSED	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	1,960.00	1,960.00	0.00	MASID (GAA)
5020399000	18	SILICON SEALANT - TUBE - White Elastomeric Door, Trim and Window Sealant 10.1 oz - Delivery 45 calendar days upon receipt of NTP 20 pieces	SSED	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	14,600.00	14,600.00	0.00	MASID (GAA)
5020399000	18	SILICON SEALANT - PACK - Clear Silicone Window and Door Caulk Sealant 2.8 oz - Delivery 45 calendar days upon receipt of NTP 20 pieces	SSED	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	9,800.00	9,800.00	0.00	MASID (GAA)
5020399000	18	SHRINKABLE TUBE 2.4MM - Heat Shrink Tube, Black 2.4mm Sleeve Dia. x 25m Length - Delivery 45 calendar days upon receipt of NTP 3 pieces	SSED	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	11,310.00	11,310.00	0.00	MASID (GAA)
5020399000	18	SHRINKABLE TUBE 4.8 MM - Heat Shrink Tube, Black 4.8mm Sleeve Dia. x 20m Length - Delivery 45 calendar days upon receipt of NTP 3 pieces	SSED	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	9,090.00	9,090.00	0.00	MASID (GAA)
5020399000	18	SHRINKABLE TUBE 5 MM - Heat Shrink Tube, Black 6.4mm Sleeve Dia. x 15m Length - Delivery 45 calendar days upon receipt of NTP 3 pieces	SSED	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	12,150.00	12,150.00	0.00	MASID (GAA)
5020399000	18	SUPER GLUE - Superglue, 5 g, Cyanoacrylate, Humidity - Delivery 45 calendar days upon receipt of NTP 30 pieces	SSED	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	5,400.00	5,400.00	0.00	MASID (GAA)

5020399000	18	HEADLAMP LED/RECHARGABLE - Headlamp, High Lumen Ultra Bright 8Led Headlight Flashlight with White Red Lights, usb Rechargeable Head Lamp with 2 Batteries - Delivery 45 calendar days upon receipt of NTP 6 pieces	SSED	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	14,220.00	14,220.00	0.00	MASID (GAA)
5020399000	18	WISE GRIP - 5-Pc. Torque Lock Locking Pliers Set - Delivery 45 calendar days upon receipt of NTP 2 pieces	SSED	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	14,580.00	14,580.00	0.00	MASID (GAA)
5020399000	18	CROSS VISE - 3.25" Compound Cross Slide Industrial Strength Benchtop and Drill Press Vise - Delivery 45 calendar days upon receipt of NTP 1 piece	SSED	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	10,160.00	10,160.00	0.00	MASID (GAA)
5020399000	18	BENCH DRILL PRESS - Bench Drill Press 16mm - Power Input : 520W(3/4HP) - Delivery 45 calendar days upon receipt of NTP 1 unit	SSED	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	13,600.00	13,600.00	0.00	MASID (GAA)
5020399000	18	STEP DRILL - 5pcs Hss Cobalt Multiple Hole 50 Sizes Step Drill Bit Set with Aluminum Case - Delivery 45 calendar days upon receipt of NTP 2 sets	SSED	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	6,300.00	6,300.00	0.00	MASID (GAA)
5020399000	18	HEAVY DUTY GRINDER - Continuous rating input 840W - Wheel Diameter 100 mm (4") - No Load Speed (RPM) 11000 - Delivery 45 calendar days upon receipt of NTP 1 set	SSED	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	4,110.00	4,110.00	0.00	MASID (GAA)
5020399000	18	GRINDING DISC 4" - Depressed Center Wheel / Grinding Disc - Delivery 45 calendar days upon receipt of NTP 20 pieces	SSED	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	2,200.00	2,200.00	0.00	MASID (GAA)
5020399000	18	CUTTING DISC - METAL 4" - Cut off Wheel / Cutting Disc - Delivery 45 calendar days upon receipt of NTP 20 pieces	SSED	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	1,200.00	1,200.00	0.00	MASID (GAA)
5020399000	18	CUTTING DISC - CONCRETE 4" - Diamond Cut Off Wheel 4" universal - Delivery 45 calendar days upon receipt of NTP 10 pieces	SSED	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	3,000.00	3,000.00	0.00	MASID (GAA)
5020399000	18	SANDING DISC - 5 Inch Hook and Loop Backing Plate with 5/8-11 Threads Sanding Pad Angle Grinder Accessories Sanding Buffing Polishing - Delivery 45 calendar days upon receipt of NTP 5 pieces	SSED	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	10,450.00	10,450.00	0.00	MASID (GAA)
5020399000	18	SANDING PAD - 5-Inch 8-Hole Hook and Loop Sanding Discs, 40/60/120/240/320/600/800 Assorted Grits Sandpaper - Delivery 45 calendar days upon receipt of NTP 5 sets	SSED	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	11,000.00	11,000.00	0.00	MASID (GAA)
5020399000	18	THERMAL WATER JUG - 2-Gallon Insulated Water Cooler - Delivery 45 calendar days upon receipt of NTP 1 piece	SSED	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	4,040.00	4,040.00	0.00	MASID (GAA)
5020399000	18	ARM SLEEVES - Arm Sleeves with UV Protection - Delivery 45 calendar days upon receipt of NTP 10 pieces	SSED	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	5,600.00	5,600.00	0.00	MASID (GAA)
5020399000	18	UTILITY BELT - 11-Pocket Multifunction Tool Belt, Heavy Duty Construction Tool Belts Electrician Tool Pouches, Three Layer Waterproof - Delivery 45 calendar days upon receipt of NTP 3 pieces	SSED	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	9,300.00	9,300.00	0.00	MASID (GAA)
5020399000	18	CABLE TIE 100MM - Black Cable Tie Nylon, 100mm x 2.5 mm - Delivery 45 calendar days upon receipt of NTP 1 piece	SSED	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	2,110.00	2,110.00	0.00	MASID (GAA)
5020399000	18	CABLE TIE 150MM - Black Cable Tie Nylon, 150mm x 3.6 mm - Delivery 45 calendar days upon receipt of NTP 1 piece	SSED	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	3,750.00	3,750.00	0.00	MASID (GAA)
5020399000	18	CABLE TIE 203MM - Black Cable Tie Nylon, 203mm x 4.6 mm - Delivery 45 calendar days upon receipt of NTP 1 piece	SSED	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	5,250.00	5,250.00	0.00	MASID (GAA)
5020399000	18	CABLE TIE 12" - Black Cable Tie Nylon, 300mm x 4.8 mm - Delivery 45 calendar days upon receipt of NTP 5 pieces	SSED	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	8,850.00	8,850.00	0.00	MASID (GAA)

5020399000	18	AIR COMPRESSOR 1/2HP - Air Compressor 1/2 HP Belt Driven - Delivery 45 calendar days upon receipt of NTP 1 unit	SSED	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	14,990.00	14,990.00	0.00	MASID (GAA)
5020399000	18	FILE TOOL 1 SET - Metal & Wood File Rasp Set - Delivery 45 calendar days upon receipt of NTP 2 sets	SSED	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	7,660.00	7,660.00	0.00	MASID (GAA)
5020399000	18	SEALANT DISPENSER GUN - Skeleton Caulk Gun Thrust - Delivery 45 calendar days upon receipt of NTP 4 pieces	SSED	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	8,960.00	8,960.00	0.00	MASID (GAA)
5020399000	18	PORTABLE ANGLE GRINDER - 18V Cordless 4-1/2 in. Angle Grinder Kit with battery and charger - Delivery 45 calendar days upon receipt of NTP 1 set	SSED	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	12,650.00	12,650.00	0.00	MASID (GAA)
5020399000	18	PORTABLE IMPACT DRILL - Impact Driver Kit, Power Cordless Impact Drill Set, 1/4" All-metal Hex Chuck, 1 x 2.0Ah Battery and Fast Charger, 0-3000RPM Variable Speed, LED Light - Delivery 45 calendar days upon receipt of NTP 1 set	SSED	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	6,590.00	6,590.00	0.00	MASID (GAA)
5020399000	18	PORTABLE IMPACT WRENCH - 20V 2 In 1 Brushless Impact Wrench Cordless Drill Set with 4.0 Ah Battery Delivers 300 Ft-lbs Torque 2900 RPM, Impact Gun with battery charger - Delivery 45 calendar days upon receipt of NTP 1 set	SSED	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	9,880.00	9,880.00	0.00	MASID (GAA)
50203220-02	18	Technical Book: TinyML Machine Learning TensorFlow Lite on Arduino and Ultra-Low-Power Microcontrollers Authors: Pete Warden, Daniel Situnayake - Delivery 45 calendar days upon receipt of NTP 1 unit	SSED	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	9,700.00	9,700.00	0.00	arQ v2 (GAA)
50203210 03	18	LCD Monitor 5 units	SSED	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	70,000.00	70,000.00	0.00	arQ v2 (GAA); Modified amount
5020399000	18	Programmer accessory - TC2050-ARM2010 - Adapter for the existing STLINK/V2 programmer - Delivery 45 calendar days upon receipt of NTP 3 units	SSED	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	7,260.00	7,260.00	0.00	arQ v2 (GAA)
5020399000	18	Programmer accessory - TC2050-IDC-NL - Programming cable for the existing STLINK/V2 programmer - Delivery 45 calendar days upon receipt of NTP 5 units	SSED	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	15,750.00	15,750.00	0.00	arQ v2 (GAA)
5020399000	18	Programmer accessory - TC2050-CLIP-3PACK - Retaining clip board for the TC2050-IDC-NL compatible to the existing STLINK/V2 programmer - Delivery 45 calendar days upon receipt of NTP 1 unit	SSED	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	1,460.00	1,460.00	0.00	arQ v2 (GAA)
5020399000	18	Development Board - BLE - Demo board for Nordic nRF52805 chip-based BLE module - Delivery 45 calendar days upon receipt of NTP 2 units	SSED	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	2,780.00	2,780.00	0.00	arQ v2 (GAA)
5020399000	18	Development Board - Power analyzer - Power profiling kit for embedded development with sub-uA to 1A current sensing capability - Delivery 45 calendar days upon receipt of NTP 2 units	SSED	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	14,940.00	14,940.00	0.00	arQ v2 (GAA)
5020399000	18	Development Board - Camera + LoRa - Vision shield for existing Portenta H7 Pro board - Delivery 45 calendar days upon receipt of NTP 2 units	SSED	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	12,740.00	12,740.00	0.00	arQ v2 (GAA)
5020399000	18	Gateway - LoRaWAN developer base - LoRa gateway designed for integration with desktop/mobile/embedded systems that converts the mPcle LoRa concentrator modules into USB Type C pluggable - Delivery 45 calendar days upon receipt of NTP 2 units	SSED	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	15,980.00	15,980.00	0.00	arQ v2 (GAA)
5020399000	18	Development Board - LoRa IoT Kit - Compose of modular development kit that features Wireless, Interface, and Sensor modules for potential applications of IoT system - Delivery 45 calendar days upon receipt of NTP 1 unit	SSED	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	12,830.00	12,830.00	0.00	arQ v2 (GAA)
5020399000	18	Tool - Torque wrench for SMA connector - Torque wrench specifically designed for driving SMA connector - Delivery 45 calendar days upon receipt of NTP 2 units	SSED	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	21,800.00	21,800.00	0.00	arQ v2 (GAA)
5020399000	18	3D Printer Accessory - Build plate - Magnetic PEI build plate for existing Ender 3 Pro 3D printers - Delivery 45 calendar days upon receipt of NTP 5 units	SSED	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	9,750.00	9,750.00	0.00	arQ v2 (GAA)
50203210-02	18	Wireless Mouse - High precision and resolution wireless mouse - Delivery 45 calendar days upon receipt of NTP 2 units	SSED	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	16,200.00	16,200.00	0.00	arQ v2 (GAA)

50203210-02	18	Desktop riser - Adjustable riser for workstation - Delivery 45 calendar days upon receipt of NTP 2 units	SSED	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	15,580.00	15,580.00	0.00	arQ v2 (GAA)
5021199000	18	PCB FABRICATION AND ASSEMBLY OF ASTI-DESIGNED BOARDS SIM7000e Cellular Daughter Board PCB Specifications: - Dimension: 50mm x 38mm - Delivery 45 calendar days upon receipt of NTP 1 lot	SSED	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	150,000.00	150,000.00	0.00	arQ v2 (GAA)
50207020-02	18	Satellite Transceiver Board - Satellite module with carrier board supporting Short Burst Data(SBD) compatible to existing Iridium subscriptions of ASTI - Delivery 45 calendar days upon receipt of NTP 2 units	SSED	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	42,000.00	42,000.00	0.00	arQ v2 (GAA)
50207020-02	18	Development Board - LoRA Concentrator with compatible enclosure - LoRa development board based on raspberry pi and SX1302 LoRa concentrator chip - Delivery 45 calendar days upon receipt of NTP 2 units	SSED	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	36,800.00	36,800.00	0.00	arQ v2 (GAA)
50203010-01	18	Desktop Digital Microscope - digital portable microscope with adjustable metal stand - Images and videos may be easily transferred to PC via USB port without driver installation 1 unit	SSED	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	9,735.00	9,735.00	0.00	RuralSync (GAA)
5029901000	18	Printing of Backdrop - full color - 8 ft x 4 ft (2 pcs) - 4 ft x 4 ft (4 pcs) - 2.5 ft x 2.5 ft (4 pcs) - design to be provided by end-user 1 lot	SSED	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	10,000.00	10,000.00	0.00	RuralSync (GAA)
50207020-02	18	Embedded Systems - Single Board Computer x86 - 32 GB eMMC v5 - Intel Celeron N4100 + Arduino Leonardo co-processor - Purpose: Will be used as SBC for set-top box (ruralsync) prototype 2 pieces	SSED	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	49,000.00	49,000.00	0.00	RuralSync (GAA)
5029905001	18	Renewal of Lease of Room Space in a Data Center Facility and Services, including Rack cabinet rental from Nov 1 - Dec 31, 2021 2 months	SSED	Renewal of Contract of Lease of Real Property per GPPB Resolution 06-2018 dd. 18 May 2018	4th Quarter of 2021	GOP	3,698,000.00	3,698,000.00	0.00	InNOVATE (GAA)
5020402000	18	Data Center Electricity Expense from November 1 - December 31, 2021 2 months	SSED	Renewal of WETI	4th Quarter of 2021	GOP	800,000.00	800,000.00	0.00	InNOVATE (GAA)
5020503000	18	Connectivity Subscription (including Membership) to Pacific Wave (PacWave) Description: - Includes membership to IX in Pacific Rim - Duration: within October - December 2021 1 lot	SSED		4th Quarter of 2021	GOP	200,000.00	200,000.00	0.00	InNOVATE (GAA)
5020501000	18	Shipping of Equipment Description: - Destination points: La Union and Tarlac - Includes costs for courier and insurance 3 lots	SSED	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	20,000.00	20,000.00	0.00	InNOVATE (GAA)
50604050-03	18	Network Switch 1 - 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 Delivery: 60 Calendar days upon NTP 1 pc	SSED	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	40,000.00	0.00	40,000.00	NTC CARAGA (GIA); Modified amount
50203210-03	18	Network Switch 1 SFP - Connector: Dual LC PPC - Data Rate: 1.25G - Mode: Single Mode - Wavelength: 1310nm - MTBF: Approximately 100'000 hours at 25C Delivery: 60 Calendar days upon NTP 2 pcs	SSED	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	24,000.00	24,000.00	0.00	NTC CARAGA (GIA); Modified amount

50203210-03	18	<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 afat 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	12,000.00	12,000.00	0.00	NTC CARAGA (GIA); Modified amount
50604050-03	18	<p>Mobile Phones for Testing</p> <p>Breakdown:</p> <p>Android phone, middle end - 1 pc @ Php45,000 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	166,000.00	0.00	166,000.00	NTC Reg. 8 (GIA); Modified description, amount
5021199000	18	Professional Services for Freedom to Operate (FTO) services 1 lot	OD	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	50,000.00	50,000.00	0.00	TLO (GAA); Modified amount
5021199000	18	Professional Service for Comprehensive Prior Art Search of ASTI Technology for Commercialization (Non-chemical) 1 lot	OD	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	27,500.00	27,500.00	0.00	TLO (GAA)
5021199000	18	Professional Services for Patent/Utility Model Drafting of ASTI Technology for Commercialization (Non-chemical) 1 lot	OD	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	50,000.00	50,000.00	0.00	TLO (GAA)
5021199000	18	Professional Service for Prosecution until Grant of Patent/Utility Model Certificate of Registration of ASTI Technology for Commercialization 1 lot	OD	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	38,500.00	38,500.00	0.00	TLO (GAA)
5029907001	18	ICT Software Subscription for virtual meetings and online events (for 12 months) 1 piece	OD	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	62,700.00	62,700.00	0.00	TLO (GAA); Modified description, amount
5021305002	18	EPDC Preventive Maintenance for Generator Set - Monthly General Preventive Maintenance (3 months) - Preventive Maintenance of ATS and Synchro Panel (1 time) - Change Oil, Coolant and Filters (1 time) - includes maintenance fee for the GenSet 6SMF batteries 1 lot	RDD	NP-53.9 Small Value Procurement	3rd - 4th Quarter of 2021	GOP	198,000.00	198,000.00	0.00	EPDC (GAA); Modified description, amount

5021305002	18	EPDC Preventive Maintenance for Airconditioning units for 4th Qtr of CY 2021 - 41 pair of airconditioning units (indoor & outdoor) - includes OT provision 1 lot	RDD	NP-53.9 Small Value Procurement	3rd - 4th Quarter of 2021	GOP	45,100.00	45,100.00	0.00	EPDC (GAA); Modified description, amount
50604050 02	18	Customized Steel Ramp (Expenses under Maintenance of Stations) 1 lot	FAD	NP-53.9 Small Value Procurement	3rd Quarter of 2021	GOP	750,000.00	0.00	750,000.00	(GAA); Modified amount
50203010-02	18	STAMP PAD INK, purple or violet 3 bottles	FAD	Shopping (b)	3rd Quarter of 2021	GOP	45.00	45.00	0.00	(GAA)
50203010-02	18	NOTEBOOK, STENOGRAPHER, spiral, 40 leaves 33 pads	FAD	Shopping (b)	4th Quarter of 2021	GOP	397.32	397.32	0.00	(GAA); Modified unit of measure, amount
50213060-01	18	Replacement of Key Set Assembly and Conduct Pulldown of Front and Rear Evaporator (for Nissan Grey Van Property No. 1.1.5) 1 lot	FAD	Shopping A	4th Quarter of 2021	GOP	30,000.00	30,000.00	0.00	(GAA)
50213060-01	18	Replacement of Front and Rear Evaporator and Freon (for Nissan Grey Van Property No. 1.1.5) 1 lot	FAD	Shopping A	4th Quarter of 2021	GOP	110,000.00	110,000.00	0.00	(GAA)
50203210-01	18	Pressure Washer 1 unit	FAD	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	8,000.00	8,000.00	0.00	(GAA)
50203010-02	18	Insect Killer 1 unit	FAD	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	1,300.00	1,300.00	0.00	(GAA)
50203210-03	18	Tempered Glass - for Samsung A7 Tablet 3 sets	FAD	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	3,000.00	3,000.00	0.00	(GAA)
50203210-03	18	Book Cover - for Samsung A7 Table 3 sets	FAD	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	3,000.00	3,000.00	0.00	(GAA)
50604050-02	18	Lobby Couch * Sofa, 3-seater leatherette * color: Black 1 unit	FAD	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	30,000.00	0.00	30,000.00	(GAA); Modified quantity/size, amount
50604050-03	18	Tablets 5 units	FAD	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	100,000.00	0.00	100,000.00	(GAA)
50604050-02	18	Lobby Couch * Sofa, 3-seater leatherette * color: Black 1 unit	FAD	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	30,000.00	0.00	30,000.00	(GAA)
50604050-02	18	Office Shredding Machine 1 unit	FAD	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	26,000.00	0.00	26,000.00	(GAA)
5020504000	18	Optical Satellite Imagery Basemaps Description: Basemaps from Optical Satellite Images Delivery: December 2021 Payment Terms: Progress Billing 1 lot	SSED	Competitive Bidding	4th Quarter of 2021	GOP	13,700,000.00	13,700,000.00	0.00	PEDRO (GAA)
5020399000	18	Cable Gland - M12 -for R&D Prototyping - set-top box accessories 1 6 sets	RDD	NP-53.9 Small Value Procurement	3rd - 4th Quarter of 2021	GOP	1,144.00	1,144.00	0.00	REIINN (GIA); Modified quantity/size, amount
5020399000	18	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	3,200.00	3,200.00	0.00	REIINN (GIA); Modified amount
5020399000	18	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	3,200.00	3,200.00	0.00	REIINN (GIA); Modified amount
50207020-02	18	634.5 MHz Low Power Cavity BAND PASS FILTER (2 dB) 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	98,430.00	98,430.00	0.00	REIINN (GIA); Modified description, amount
50203210-13	18	Hot Air Rework Station 2 - large, easy to read LCD screen, heavy duty metal enclosure, portable, powerful, beautiful. 1 unit	RDD	NP-53.9 Small Value Procurement	3rd Quarter of 2021	GOP	8,250.00	8,250.00	0.00	REIINN (GIA); Modified amount
5029902000	18	Printing and Delivery of IEC Materials - A5 size, back-to-back, matte finish, fullcolor (650 pcs) - A4 size, back-to-back, matte finish, fullcolor (500 pcs) - text & design to be provided by end-user - Delivery: 30 days upon issuance of NTP 1 lot	RDD	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	50,000.00	50,000.00	0.00	REIINN (GIA); Modified description, quantity/size, amount
5020399000	18	DC 0-60V 5A Laboratory Power Supply - can power up to three devices simultaneously with CV and CC protection - can operate in voltage (CV) or current (CC) output mode 1 unit	SSED	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	7,700.00	7,700.00	0.00	RuralSync (GAA)

5020399000	18	Outdoor Extension Cords -3-Outlet Power Strip, Double Insulated, Grounded, Heavy Duty, - for Outdoor use 3 units	SSED	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	7,095.00	7,095.00	0.00	RuralSync (GAA)
5020399000	18	Nylon PCB Standoffs and Spacers -Color : Black and White Material - Contains assorted Nylon M-F Hex Spacers Screw Nut 2 sets	SSED	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	716.00	716.00	0.00	RuralSync (GAA)
5020399000	18	ESD High Temperature Mat - made of ESD-safe 2-ply rubber material -Size: 18 inches x 30 inches x 0.08 inch 1 piece	SSED	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	5,445.00	5,445.00	0.00	RuralSync (GAA)
5020399000	18	Heat Resistant Silicon Insulation Mat -made of high quality silicone, Non-toxic -supports high temperature soldering work directly 1 piece	SSED	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	688.00	688.00	0.00	RuralSync (GAA)
5020399000	18	Double-Sided Poster Display Stand - can display 2 posters at the same time - with Adjustable Height - Heavy Duty 2 pieces	SSED	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	3,476.00	3,476.00	0.00	RuralSync (GAA)
5020399000	18	ADC Module for VSWR monitoring Supply Voltage (VCC): 3.3-5.0V Analog Channels: 4 Analog Signal Detection Range: 0-VCC 4 units	SSED	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	2,640.00	2,640.00	0.00	RuralSync (GAA)
5020399000	18	Hot Air and Soldering Rework Station for PCB Boards Hot Air Temperature range: 100-480 degC Power consumption (hot air): 720W Power consumption (iron): 60W 1 unit	SSED	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	5,225.00	5,225.00	0.00	RuralSync (GAA)
5020399000	18	Microcontrollers and Electronic Components - Delivery: 30 days upon issuance of NTP - includes Microcontrollers, High Power Yagi Antenna, Open Caster enabled ISDB-T Modulator, MCX to F-Female Adaptor, Coaxial Matching pad for ISDB-T Tx, USRP B200 Mini etc. 1 lot	SSED	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	100,012.00	100,012.00	0.00	RuralSync (GAA)
50203010-01	18	Keyboard for ThinkPad T470P - must be genuine keyboard - with backlit 1 unit	SSED	NP-53.9 Small Value Procurement	4th Quarter of 2021	GOP	6,050.00	6,050.00	0.00	RuralSync (GAA)
TOTAL							15,338,113.32	14,402,113.32	936,000.00	

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