

Annual Procurement Plan for 2020
APP-2020-NCSE-009 (SUPPLEMENTAL)

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		
50203210 02	9	Mobile devices for mobile application testing for OS version: Funtouch OS 9.2 (based on Android 9.0 Pie) or higher	CSD	NP-53.9 Small Value Procurement	2nd Quarter of 2020				GOP	13,200.00	13,200.00	0.00	ASTIgram
50203210 02	9	Mobile devices for mobile application testing for OS version: Android 9.0 Pie or higher	CSD	NP-53.9 Small Value Procurement	2nd Quarter of 2020				GOP	9,600.00	9,600.00	0.00	ASTIgram
50203210 02	9	Mobile devices for mobile application testing for OS version: Android 9.0 (Pie); One UI or higher	CSD	NP-53.9 Small Value Procurement	2nd Quarter of 2020				GOP	8,500.00	8,500.00	0.00	ASTIgram
50203990 00	9	Sensor Tag for prototyping	CSD	NP-53.9 Small Value Procurement	2nd Quarter of 2020				GOP	10,800.00	10,800.00	0.00	Gul.ai
50203990 00	9	Digital Luminosity/Lux/Light Sensor Breakout for prototyping	CSD	NP-53.9 Small Value Procurement	2nd Quarter of 2020				GOP	4,400.00	4,400.00	0.00	Gul.ai
50203990 00	9	Air Cooler for prototyping	CSD	NP-53.9 Small Value Procurement	2nd Quarter of 2020				GOP	10,000.00	10,000.00	0.00	Gul.ai
50203210 02	9	Entry-Level 3-Dimensional Printer for Prototyping	CSD	NP-53.9 Small Value Procurement	2nd Quarter of 2020				GOP	12,000.00	12,000.00	0.00	Gul.ai
50203990 00	9	3-Dimensional Printer PLA Filament Black for prototyping	CSD	NP-53.9 Small Value Procurement	2nd Quarter of 2020				GOP	3,200.00	3,200.00	0.00	Gul.ai
50203990 00	9	3-Dimensional Printer PLA Filament White for prototyping	CSD	NP-53.9 Small Value Procurement	2nd Quarter of 2020				GOP	3,200.00	3,200.00	0.00	Gul.ai
50203990 00	9	3-Dimensional Printer PLA Filament Transparent for prototyping	CSD	NP-53.9 Small Value Procurement	2nd Quarter of 2020				GOP	9,600.00	9,600.00	0.00	Gul.ai
50203990 00	9	Relay Shield for Prototyping	CSD	NP-53.9 Small Value Procurement	2nd Quarter of 2020				GOP	4,000.00	4,000.00	0.00	Gul.ai
50211990 00	9	Other Professional Services Two (2) SRS I-SG13 @ Php 36,830.62/month x 10 months	CSD	Competitive Bidding	1st - 2nd Quarter of 2020				GOP	736,612.40	736,612.40	0.00	Gul.ai
50211990 00	9	Provision for overtime pay @ Php 10,000.00 each	CSD	Competitive Bidding	1st - 2nd Quarter of 2020				GOP	20,000.00	20,000.00	0.00	Gul.ai
50213050 03	9	Laptop Battery Replacement of Laptop Battery Compatible with X240 Laptop Battery should be genuine End User: Robert Mendoza	KMD	NP-53.9 Small Value Procurement	2nd Quarter of 2020				GOP	7,500.00	7,500.00	0.00	
50213050 03	9	Laptop Keyboard Replacement of Laptop Keyboard Compatible with X240 Laptop End User: Robert Mendoza	KMD	NP-53.9 Small Value Procurement	2nd Quarter of 2020				GOP	7,500.00	7,500.00	0.00	
50604050 02	9	Projector at least 3,500 lumens at least WXGA Resolution Network: Wired LAN: 1, Wireless LAN: Optional (using ELPAP10) Analog RGB Input: D-Sub 15Pin: 2 (Blue Molding) Analog Input: Composite: RCA x 1 (Yellow) Digital Input: HDMI: 2 (1 with MHL support) Analog Output: D-Sub 15Pin: 1 Audio Input: Stereo Mini Jack: 1 Mic I/O: Stereo Mini Jack: 1 Control I/O: RS-232C: 1 USB Type A: 1 (For USB Memory, USB Document Camera, Wireless LAN and Firmware Update) USB Type B: 1 (For USB Display, Mouse, K/B, Control and Firmware Update)	KMD	NP-53.9 Small Value Procurement	2nd Quarter of 2020				GOP	240,000.00	240,000.00	0.00	
50211990 00	9	ISO 9001: 2015 Surveillance Audit 2020 The auditor company shall send at least one (1) competent ISO-certified auditor	KMD	NP-53.9 Small Value Procurement	3rd Quarter of 2020				GOP	100,000.00	100,000.00	0.00	
50299050 03	9	Vehicle Rental - Transportation of DOST-ASTI Exhibit Material Transportation and door-to-door delivery of DOST-ASTI exhibit materials to the 2020 DRRM Expo	OD	NP-53.9 Small Value Procurement	2nd Quarter of 2020				GOP	13,000.00	13,000.00	0.00	CorpComm

50203010 01	9	Wireless Mouse Rechargeable Sensing distance up to 10 meters 90% reduced click sound 24-month battery life with auto-sleep Works with Windows, Mac, and Linux	OD	NP-53.9 Small Value Procurement	2nd Quarter of 2020	GOP	2,000.00	2,000.00	0.00	TLO
50299050 01	9	Renewal of Commercial Data Center Lease of Space	RDD	Renewal of WETI	1st Quarter of 2020		1,849,000.00	1,849,000.00	0.00	INNOVATE
50207020 02	9	13" Portable Touchscreen -Size: 13 inches -Display type: IPS -Input: HDMI, VGA -Resolution: 1920x1080 *Note 1: Research and exploratory item *Note 2: To be integrated with other components; for prototyping *Note 3: Supplier to provide test unit/ sample of the item for testing and approval of end-user	RDD	NP-53.9 Small Value Procurement	2nd Quarter of 2020	GOP	60,000.00	60,000.00	0.00	AESS
50207020 02	9	Portable document scanner -Connectivity: USB 3.0 and WiFi -Sensor Type: CIS -Optical Resolution: Support 600 dpi -Supports automatic duplex scanning -With automatic document feeder (ADF) -Supports SANE -Supports 230gsm paper thickness *Note 1: Research and exploratory item *Note 2: To be integrated with other components; for prototyping *Note 3: Supplier to provide test unit/ sample of the item for testing and approval of end-user	RDD	NP-53.9 Small Value Procurement	2nd Quarter of 2020	GOP	45,000.00	45,000.00	0.00	AESS
50207020 02	9	Portable impact printer with ribbon cartridge -Printing: impact dot matrix -Speed: supports 5.1 lines per second -Resolution: --80 DPI (horizontal) --144 DPI (vertical) -Print width: supports 63.5mm -Sensor: --paper end --near end --cover open --black mark -Interface: USB V2.0 FS + Serial + Ethernet -Graphics: Supports user defined fonts, graphics, formats and logos -Power: with 24v/2.5A adaptor -Accessories: --with splash proof cover --16 x ribbon cartridge --USB A-B cable *Note 1: Research and exploratory item *Note 2: To be integrated with other components; for prototyping *Note 3: Supplier to provide test unit/ sample of the item for testing and approval of end-user	RDD	NP-53.9 Small Value Procurement	2nd Quarter of 2020	GOP	35,000.00	35,000.00	0.00	AESS
50203990 00	9	Long Nose Pliers: - Color: Red - Size: 130mm - Material: High Carbon Steel - For precision work with soft wire Inclusive of all government fees, taxes and duties. Delivery Period: 60 days upon issuance of NTP	RDD	NP-53.9 Small Value Procurement	1st - 2nd Quarter of 2020	GOP	1,875.00	1,875.00	0.00	EPIIC_Y2 (GIA)
50203990 00	9	6PCS Bi-Mat Precision Screwdriver Set: - 1.4mm Slot, 2.0mm Slot, 2.4mm Slot, 3.0mm Slot, Opt, 1pt - Swivel-head handles - Tough, plastic handles with soft cushion grip - with plastic storage case Inclusive of all government fees, taxes and duties. Delivery Period: 60 days upon issuance of NTP	RDD	NP-53.9 Small Value Procurement	1st - 2nd Quarter of 2020	GOP	1,275.00	1,275.00	0.00	EPIIC_Y2 (GIA)
50203990 00	9	560 pc. Transistor Kit with Component Cabinet: - 10 pcs each: 2N2222A, 2N2907A, 2N3053, 2N3055, 2N4401, 2N4403, 2N5401, 2N7000, MJE3055T, BC547C, MPSA06, MPSA13, TIP31A, TIP32A, TIP102, TIP120 - 100 pcs each: 2N3904, 2N3906, PN2222, PN2907 Inclusive of all government fees, taxes and duties. Delivery Period: 60 days upon issuance of NTP	RDD	NP-53.9 Small Value Procurement	1st - 2nd Quarter of 2020	GOP	24,450.00	24,450.00	0.00	EPIIC_Y2 (GIA)

50203990 00	9	<p>480 pc. Linear Series Component Kit with Component Cabinet:</p> <ul style="list-style-type: none"> - 20 Drawer Component Cabinet - 20 Clear Dividers - 30 Adhesive Labels for drawers to identify parts in kit, and all the Electronic Components listed in each kit - 10 pcs each: TL072PC, TL074CN, TL082CP, TL084CN, MAX232CPE, LM301N, LM308N, LM311N, LM337T, LF353N, LF356N, LM358N, LM386N-1, LM386N-3, LM393N, LF411CN, LF412CN, LMC555CN, LM556N, LM723CN, LM1458N, LM1488N, LM1489N, ULN2003A, ULN2803A, NE5532, 7808T, 78L12CZ, 7815T, 7905T, 7912CT, 7915T - 20 pcs each: LM317T, LM324N, LM339N, LM741CN, LM555CN, 7805T, 78L05CZ, 7812T <p>Inclusive of all government fees, taxes and duties. Delivery Period: 60 days upon issuance of NTP</p>	RDD	NP-53.9 Small Value Procurement	1st - 2nd Quarter of 2020	GOP	37,075.00	37,075.00	0.00	EPIIC_Y2 (GIA)
50203990 00	9	<p>4000 Series CMOS IC Cabinet Kit:</p> <ul style="list-style-type: none"> - 20 drawer component cabinet - 20 clear plastic drawers - 20 clear dividers - 30 adhesive labels for drawers to identify parts in kit, and all the Electronic Components listed in each kit - 10 pcs: CD4015, CD4016, CD4017, CD4020, CD4023, CD4024, CD4027, CD4040, CD4046, CD4050, CD4051, CD4069, CD4070, CD4071, CD4081, CD4093, CD4511, CD4538, CD4543, CD4584 - 20 pcs each: CD4001, CD4011, CD4013, CD4049, CD4066 - including 300 pcs refill <p>Inclusive of all government fees, taxes and duties. Delivery Period: 60 days upon issuance of NTP</p>	RDD	NP-53.9 Small Value Procurement	1st - 2nd Quarter of 2020	GOP	18,550.00	18,550.00	0.00	EPIIC_Y2 (GIA)
50203990 00	9	<p>10 pc. Needle File Set:</p> <ul style="list-style-type: none"> - Set contents (10 pcs): Round; Half Round; Hand; Triangular; Square; Triangular (Flat Leaf); Oval; Hand (Flat); Crochet; Knife - Length: 160mm <p>Inclusive of all government fees, taxes and duties. Delivery Period: 60 days upon issuance of NTP</p>	RDD	NP-53.9 Small Value Procurement	1st - 2nd Quarter of 2020	GOP	5,035.00	5,035.00	0.00	EPIIC_Y2 (GIA)
50203990 00	9	<p>Two (2) Lots 22 AWG Stranded Wire:</p> <p>I. One (1) unit Red w/ ff specs:</p> <ul style="list-style-type: none"> - Cross Sectional Area: 0.33 mm² - American Wire Gauge: 22 AWG - Core Strands: 7/0.25 mm - Insulation Material: XLPVC - Outer Diameter: 2.3mm - Length: 100m - Voltage Rating: 600 V - Conductor Material: Tinned Copper - Wire Style: UL1431 - Maximum Operating Temperature: 0-105°C - Insulation Wall Thickness: 0.8mm <p>II. One (1) unit Black w/ ff specs:</p> <ul style="list-style-type: none"> - Cross Sectional Area: 0.33 mm² - American Wire Gauge: 22 AWG - Core Strands: 7/0.25 mm - Insulation Material: PVC - Outer Diameter: 1.8mm - Length: 100m - Voltage Rating: 300 V - Conductor Material: Tinned Copper - Wire Style: UL1430 - Operating Temperature: 0-105°C - Insulation Wall Thickness: 0.8mm <p>III. One (1) unit Orange w/ ff specs:</p> <ul style="list-style-type: none"> - Cross Sectional Area: 0.33 mm² - American Wire Gauge: 22 AWG 	RDD	NP-53.9 Small Value Procurement	1st - 2nd Quarter of 2020	GOP	14,700.00	14,700.00	0.00	EPIIC_Y2 (GIA)
50203990 00	9	<p>Two (2) Lots 30 AWG Wire-Wrapping Wire:</p> <p>1. One (1) unit each: White and Blue w/ ff specs:</p> <ul style="list-style-type: none"> a. Cross Sectional Area: 0.05 mm² b. American Wire Gauge: 30 AWG c. Core Strands: 1/0.25 mm d. Insulation Material: ETFE e. Outer Diameter: 0.55mm f. Length: 50m g. Voltage Rating: 300 V h. Conductor Material: Silver Plated Copper i. Wire Style: MIL-W-81822/13 j. Operating Temperature: -65°C to +160°C k. Insulation Wall Thickness: 0.2mm l. Cable Shape: Single Core <p>Inclusive of all government fees, taxes and duties. Delivery Period: 60 days upon issuance of NTP</p>	RDD	NP-53.9 Small Value Procurement	1st - 2nd Quarter of 2020	GOP	5,775.00	5,775.00	0.00	EPIIC_Y2 (GIA)

50203990 00	9	Vinyl Gloves: - Glove Type: Minimal Risk - Number of Gloves: 100 - Glove Size: 9.5 to XL - Glove Material: Powder-Free Vinyl - Colour: Blue - Food Safe: No - Accepted Quality Level (AQL): 1.5 Inclusive of all government fees, taxes and duties. Delivery Period: 60 days upon issuance of NTP	RDD	NP-53.9 Small Value Procurement	1st - 2nd Quarter of 2020	GOP	2,675.00	2,675.00	0.00	EPIIC_Y2 (GIA)
50203990 00	9	FR4 (1 and 2 layer, presensitised) Laminates • 10 PCBs FR4 (35 µm, 510x1150x1.5 mm thick, 1 side) • 10 PCBs FR4 (35 µm, 510x1150x1.5 mm thick, 2 sides)	RDD	NP-53.9 Small Value Procurement	1st - 2nd Quarter of 2020	GOP	190,080.00	190,080.00	0.00	EPIIC_Y2 (GIA)
50203990 00	9	Chemicals and etchants • Stripper for negative photoresists (10x250g bags) • Ferric Chloride (2x25 liter jerry can) • Stain Remover (25x1 kg bag) • Black out spray (5 spray bottles - 150ml each) • And other local supplies needed for this operation	RDD	NP-53.9 Small Value Procurement	1st - 2nd Quarter of 2020	GOP	90,964.50	90,964.50	0.00	EPIIC_Y2 (GIA)
50203990 00	9	Plating consumables • Two (2) sets of Through hole plating machine consumables starter set (DS270-500mL, DS400-25L, DS500-500mL, DS650L-5L, DS650P-5L, DS650C-500mL, CU400C-25L, CU400A-1L) • One (1) set of Solder Mask starter set (1 Roll 305mmx75m, 75um)	RDD	NP-53.9 Small Value Procurement	1st - 2nd Quarter of 2020	GOP	270,845.30	270,845.30	0.00	EPIIC_Y2 (GIA)
50203990 00	9	Wastewater Treatment Supplies • One (1) cotton pre-filter. • Two (2) cation filter. • One (1) pH neutraliser. • Active carbon filter candle • Anion exchange resin • Kation exchange resin	RDD	NP-53.9 Small Value Procurement	1st - 2nd Quarter of 2020	GOP	33,480.70	33,480.70	0.00	EPIIC_Y2 (GIA)
50203990 00	9	Laser Photoplotter / Layout film • Film starter set, 50 sheets film • Developer, 30 liters • Fixer, 30 liters • Special-tape, • Drying tissue	RDD	NP-53.9 Small Value Procurement	1st - 2nd Quarter of 2020	GOP	64,900.00	64,900.00	0.00	EPIIC_Y2 (GIA)
50203990 00	9	Cutting Blades • Additional pair of cutting blades for the board	RDD	NP-53.9 Small Value Procurement	1st - 2nd Quarter of 2020	GOP	30,800.00	30,800.00	0.00	EPIIC_Y2 (GIA)
50203010 02	9	HP Ink Cartridge, Tri-Colour 678, compatible with HP printer Deskjet	RDD	NP-53.5 Agency-to-Agency	1st Quarter of 2020	GOP	16,625.00	16,625.00	0.00	APP-CSE EPIIC_Y2 (GIA)
50203010 02	9	HP Ink Cartridge, Black 678, compatible with HP printer Deskjet	RDD	NP-53.5 Agency-to-Agency	1st Quarter of 2020	GOP	9,975.00	9,975.00	0.00	APP-CSE EPIIC_Y2 (GIA)
50203010 02	9	EPSON Bottle Ink, Cyan 664, (70ml), compatible with Epson Printer	RDD	NP-53.5 Agency-to-Agency	1st Quarter of 2020	GOP	7,700.00	7,700.00	0.00	APP-CSE EPIIC_Y2 (GIA)
50203010 02	9	EPSON Bottle Ink, Black 664, (70ml), compatible with Epson Printer	RDD	NP-53.5 Agency-to-Agency	1st Quarter of 2020	GOP	6,860.00	6,860.00	0.00	APP-CSE EPIIC_Y2 (GIA)
50203010 02	9	EPSON Bottle Ink, Yellow 664, (70ml), compatible with Epson Printer	RDD	NP-53.5 Agency-to-Agency	1st Quarter of 2020	GOP	7,700.00	7,700.00	0.00	APP-CSE EPIIC_Y2 (GIA)
50203010 02	9	EPSON Bottle Ink, Magenta 664, (70ml), compatible with Epson Printer	RDD	NP-53.5 Agency-to-Agency	1st Quarter of 2020	GOP	7,700.00	7,700.00	0.00	APP-CSE EPIIC_Y2 (GIA)
50203010 02	9	1/12 D Type 3 Ring Binder A4 Size- For standard EMC Testing	RDD	NP-53.5 Agency-to-Agency	1st Quarter of 2020	GOP	2,280.00	2,280.00	0.00	APP-CSE EPIIC_Y2 (GIA)
50203010 02	9	Petty Cash Voucher for EPDC, A6, 14cm x 10.9cm, 50 sheets per pad, 10 pads per bundle	RDD	NP-53.5 Agency-to-Agency	1st Quarter of 2020	GOP	237.00	237.00	0.00	APP-CSE EPIIC_Y2 (GIA)
50203010 02	9	Copy Paper, A4, 80gsm	RDD	NP-53.5 Agency-to-Agency	1st Quarter of 2020	GOP	8,650.00	8,650.00	0.00	APP-CSE EPIIC_Y2 (GIA)
50203010 02	9	Tape, Transparent, 24mm (±1mm), 50m	RDD	NP-53.5 Agency-to-Agency	1st Quarter of 2020	GOP	240.00	240.00	0.00	APP-CSE EPIIC_Y2 (GIA)
50203010 02	9	Tape, Packing, 48mm (±1mm), 50m	RDD	NP-53.5 Agency-to-Agency	1st Quarter of 2020	GOP	440.00	440.00	0.00	APP-CSE EPIIC_Y2 (GIA)
50203010 02	9	Sign Pen, blue, liquid gel, 0.5mm needle tip	RDD	NP-53.5 Agency-to-Agency	1st Quarter of 2020	GOP	1,200.00	1,200.00	0.00	APP-CSE EPIIC_Y2 (GIA)
50203010 02	9	Whiteboard Marker Blue	RDD	NP-53.5 Agency-to-Agency	1st Quarter of 2020	GOP	150.00	150.00	0.00	APP-CSE EPIIC_Y2 (GIA)
50203010 02	9	Envelope, Brown, A4, 50 pcs per box	RDD	NP-53.5 Agency-to-Agency	1st Quarter of 2020	GOP	675.00	675.00	0.00	APP-CSE EPIIC_Y2 (GIA)
50203010 02	9	Envelope, Brown, Legal, 500 pcs per box	RDD	NP-53.5 Agency-to-Agency	1st Quarter of 2020	GOP	930.00	930.00	0.00	APP-CSE EPIIC_Y2 (GIA)
50203010 02	9	Envelope, Mailing, White, 500 pcs per box	RDD	NP-53.5 Agency-to-Agency	1st Quarter of 2020	GOP	380.00	380.00	0.00	APP-CSE EPIIC_Y2 (GIA)
50203010 02	9	Envelope, Expanding, Plastic, with elastic strap for closing or binding, 380 mm x 260 mm	RDD	NP-53.5 Agency-to-Agency	1st Quarter of 2020	GOP	640.00	640.00	0.00	APP-CSE EPIIC_Y2 (GIA)
50203010 02	9	Folder, Brown, A4, 100 pcs per pack	RDD	NP-53.5 Agency-to-Agency	1st Quarter of 2020	GOP	282.00	282.00	0.00	APP-CSE EPIIC_Y2 (GIA)
50203010 02	9	Folder, Brown, Legal, 100 pcs per pack	RDD	NP-53.5 Agency-to-Agency	1st Quarter of 2020	GOP	324.00	324.00	0.00	APP-CSE EPIIC_Y2 (GIA)
50203010 02	9	Fastener, (Plastic), 50 pcs per box	RDD	NP-53.5 Agency-to-Agency	1st Quarter of 2020	GOP	240.00	240.00	0.00	APP-CSE EPIIC_Y2 (GIA)
50203010 02	9	Staple Wire, Standard (No. 35), 26/6 (5000 pcs)	RDD	NP-53.5 Agency-to-Agency	1st Quarter of 2020	GOP	500.00	500.00	0.00	APP-CSE EPIIC_Y2 (GIA)

50203010 02	9	Paper Clip, vinyl/plastic coated, length: 33mm min, wire diameter: 0.79 mm min, total length of wire used: 98mm min, assorted colors, 100 pieces per box, at least 52g	RDD	NP-53.5 Agency-to-Agency	1st Quarter of 2020	GOP	200.00	200.00	0.00	APP-CSE EPIIC_Y2 (GIA)
50203010 02	9	Clear Sheet Refill, A4, 10 sheets, 11 holes	RDD	NP-53.5 Agency-to-Agency	1st Quarter of 2020	GOP	700.00	700.00	0.00	APP-CSE EPIIC_Y2 (GIA)
50203010 02	9	Clear Sheet Refill, Long, 10 sheets, 11 holes	RDD	NP-53.5 Agency-to-Agency	1st Quarter of 2020	GOP	392.00	392.00	0.00	APP-CSE EPIIC_Y2 (GIA)
50203010 02	9	Stapler, Heavy Duty (Binder Type)	RDD	NP-53.5 Agency-to-Agency	1st Quarter of 2020	GOP	2,760.00	2,760.00	0.00	APP-CSE EPIIC_Y2 (GIA)
50203010 02	9	Staple Wires, Heavy Duty, 23/13 1/2" (1000 pcs)	RDD	NP-53.5 Agency-to-Agency	1st Quarter of 2020	GOP	440.00	440.00	0.00	APP-CSE EPIIC_Y2 (GIA)
50604050 14	9	350Mhz Mixed Signal Oscilloscope with Logic Probe, Computer & Embedded Serial Triggering and Analysis: 1. Analog Bandwidth: 350 MHz 2. Channels: 2.1. Analog: 4 4 input analog channels with passive probes with at least 500MHz bandwidth 2.2. Digital: 16 input digital channels including active logic probes 3. Max. Sample Rate of Analog Channel: 3.1. Single-channel: 8 GSa/s 3.2. Half-channel: 4 GSa/s 3.3. All channels: 2 GSa/s 4. Max. Memory Depth: 4.1. Analog Channel: 4.1.a. Single-channel: 200 Mpts 4.1.b. Half-channel: 100 Mpts 4.1.c. All channels: 50 Mpts 4.2. Digital Channel: 25 Mpts (all channels) 5. Max. Waveform Capture Rate: ≥500,000 wfms/s 6. Range of Time Base: 1 ns/div~1ks/div 7. Vertical Sensitivity Range: 500 uV/div~10 V/div 8. DC Gain Accuracy: ± 3% of full scale 9. Hardware Real-time Waveform Recording and Playing: ≥450,000 wfms (single-channel) 10. Trigger Type: Edge trigger, Pulse trigger, Slope trigger, Video trigger, Pattern trigger, Duration trigger, Timeout trigger, runt trigger, Window trigger, Delay trigger, Setup/Hold trigger, Nth Edge trigger, RS232, UART, I2C, SPI 11. Decoding Type: Parallel, RS232, UART, I2C, SPI 12. Waveform Calculation: A+B, A-B, A×B, A/B, FFT, A&&B, A B, A^B, A, Intg, Diff, Sqrt, Lg, Ln, Exp, Abs, AX+B, LowPass, HighPass, BandPass, and BandStop 13. Auto Measurement: 41 auto measurements; and up to 10 measurements can be displayed at a time 14. Enhanced FF: Record Length: Max. 1 Mpts; Window Type: Rectangular, Blackman-Harris, Hanning (default), Hamming, Flattop, and Triangle; Peak Search: max 15 peaks	RDD	Competitive Bidding	1st - 2nd Quarter of 2020	GOP	300,000.00	0.00	300,000.00	EPIIC_Y2 (GIA)
50605040 14	9	Spectrum Analyzer with Tracking Generator: 1. Type (Spectrum Analyzer): Benchtop 2. Frequency Range: 9 kHz to 3.2 GHz 3. Frequency Resolution: 1 Hz 4. Aging Rate: <1 ppm/year 5. SSB Phase Noise(f=1GHz): <-98 dBc/Hz@10kHz offset, <-100 dBc/Hz@100kHz offset (typ.) 6. Resolution Bandwidth 6.1. -3 dB: 10 Hz to 1 MHz, in 1-3-10 sequence 6.2. -6 dB: 200 Hz, 9 kHz 7. Video Bandwidth (-3 dB): 1 Hz to 3 MHz, in 1-3-10 sequence 8. Displayed Average Noise Level (DANL) (condition: PA on, attenuation = 0 dB, RBW = VBW = 100 Hz, sample detector, trace average ≥ 50, tracking generator off, normalized to 1Hz, 20°C to 30°C, input impedance = 50 Ω): 8.1. 100 kHz to 1 MHz: <-152 dBm (typ.) 8.2. 1 MHz to 5 MHz: <-152 dBm, <-155 dBm (typ.) 8.3. 5 MHz to 3.2 GHz <-157 dBm, <-161 dBm (typ.) 9. Trace Detectors: normal, positive-peak, negative-peak, sample, RMS, voltage average 10. Trace Functions: clear write, max hold, min hold, average, view, blank 11. Units of Level Axis: dBm, dBmV, dBμV, nV, μV, mV, V, nW, μW, mW, W 12. Level Measurement Uncertainty: <0.8 dB (nom.) 13. Tracking Generator 13.1. Frequency Range: 100 kHz to 3.2 13.2. Output Level Range: -40 dBm to 0 dBm 13.3. Output Level Resolution: 1 dB 14. SSC Measurement Bandwidth: 1.5 MHz 15. Warranty: at least one (1) year Inclusive of all government fees, taxes and duties. Delivery Period: 60 days upon receipt of NTP	RDD	Competitive Bidding	1st - 2nd Quarter of 2020	GOP	260,000.00	0.00	260,000.00	EPIIC_Y2 (GIA)

50604050 14	<p>Arbitrary Function Generator with PC based waveform editing software license:</p> <ol style="list-style-type: none"> Channel: 2 Maximum Frequency: 200MHz 160MHz 100MHz 60MHz Sample Rate: 500Msa/s Standard Waveforms: Sine, Square, Ramp, Pulse, Noise, Harmonics (up to 16 orders) Arbitrary Waveforms: Sinc, Exponential Rise, Exponential Fall, ECG, Gauss, HaverSine, Lorentz, DualTone, DC, etc. up to 150 waveforms Waveform Length: 16K Vertical Resolution: 14bits Sine: 1uHz-200MHz 1uHz-160MHz 1uHz-100MHz 1uHz-60MHz Square: 1uHz-60MHz 1uHz-50MHz 1uHz-40MHz 1uHz-25MHz Ramp: 1uHz-5MHz 1uHz-4MHz 1uHz-3MHz 1uHz-1MHz Pulse/arb: 1uHz-50MHz 1uHz-40MHz 1uHz-25MHz 1uHz-15MHz Noise (-3dB): 120MHz 120MHz 80MHz 60MHz Sine Wave Spectrum Purity Total Harmonic Distortion: <0.1%(10Hz-20KHz,0dBm); Phase Noise: $\leq -115\text{dBc}@10\text{MHz}$ (0dBm,10KHz offset) Square: Rise/Fall Time <8ns <8ns <10ns <12ns Jitter (rms): $\leq 5\text{MHz}$; 2ppm+500ps, >5MHz: 500ps Amplitude (into 50 Ω): $\leq 20\text{MHz}$: 1mVpp-10Vpp; $\leq 60\text{MHz}$: 1mVpp-5Vpp; $\leq 120\text{MHz}$: 1mV-2.5Vpp; $\leq 200\text{MHz}$: 1mV-1Vpp Modulation Type: AM, FM, PM, ASK, FSK, PSK, BPSK, QPSK, 3FSK, 4FSK, OSK, PWM Work Mode: Continue, Burst, Sweep, Modulation Burst Characteristics: Carrier Frequency 2mHz-100MHz, Burst Count: 1 to 1 000 000 or Infinite; trigger source: internal, external, manual With Perpetual PC based waveform editing software license Warranty: at least one (1) year <p>Inclusive of all government fees, taxes and duties. Delivery Period: 60 days upon receipt of NTP</p>	RDD	Competitive Bidding	1st - 2nd Quarter of 2020	GOP	106,000.00	0.00	106,000.00	EPIIC_Y2 (GIA)
50605040 14	<p>Vector Signal Generator:</p> <ol style="list-style-type: none"> Frequency Range: 1MHz to 6.1GHz (RF band) 100Hz to 1MHz (Low band), 1Hz resolution, 0.5PPM clock accuracy Output level range: -100dBm--+10dBm (1MHz ~4GHz), -100 dBm--+0dBm (4GHz ~6.1GHz), -50dBm-0dBm (Low band), 0.25dB resolution Working mode: CW mode, frequency sweeping, frequency hopping, pulse modulation and simultaneous I&Q modulation (100KB data buffer) Analog modulation: AM, FM, PM Digital modulation: ASK, FSK, 4FSK, GFSK, MSK, GMSK,SFSK, and more modulation signal based on the I&Q engine Phase modulation: BPSK, 4PSK, 8PSK, 16QAM, 32QAM, 64QAM and more modulation signal based on the I&Q engine Low band function: Sin wave, I&Q modulation, arbitrary signal waveform (raw data file) and modulated any low band signal into RF signal with AM, FM and PM. Pulse signal modulation: pulse width 0.25us~5s, repeat time: 40us~20S (single frequency), 400us~20s (Sweeping and hopping) Warranty: at least one (1) year <p>Inclusive of all government fees, taxes and duties. Delivery Period: 60 days upon receipt of NTP</p>	RDD	Competitive Bidding	1st - 2nd Quarter of 2020	GOP	60,000.00	0.00	60,000.00	EPIIC_Y2 (GIA)
50605040 14	<p>Benchtop Precision Digital Multimeter:</p> <ol style="list-style-type: none"> Type: Bench Absolute Maximum DC Current Measurement: 10.1A dc Absolute Maximum AC Current Measurement: 10.1A ac Absolute Maximum AC Voltage Measurement: 750V ac Absolute Maximum Resistance Measurement: 120MΩ Absolute Maximum DC Voltage Measurement: 1010Vdc Absolute Maximum Temperature Measurement: +400 °C, +760 °C, +1000 °C, +1300 °C, +1372 °C, +1768 °C, +1820 °C Absolute Maximum Capacitance Measurement: 120μF Functions Measured: AC Current, AC Voltage, Capacitance, Continuity, DC Current, DC Voltage, Diode, Frequency, Period, Resistance, Temperature True RMS: Yes Maximum Frequency: 300kHz Resistance Measurement Resolution: 1$\mu\Omega$ Temperature Measurement Resolution: 0.001°C Capacitance Measurement Resolution: 0.01pF Maximum Operating Temperature: +50°C Battery Type: Li-Ion Safety Category Voltage: 1000V Minimum Operating Temperature: 0°C Battery Life: 3 years Safety Category Level: CAT II Warranty: at least one (1) year <p>Inclusive of all government fees, taxes and duties. Delivery Period: 60 days upon receipt of NTP</p>	RDD	Competitive Bidding	1st - 2nd Quarter of 2020	GOP	125,000.00	0.00	125,000.00	EPIIC_Y2 (GIA)

50605040 14	9	<p>Dual Display Handheld Digital Multimeter:</p> <ol style="list-style-type: none"> Measurement Function: DC voltage, AC voltage, DCV+ACV, DC current, AC current, DCA+ACA, resistance, frequency, temperature, capacitance, duty cycle, decibel calculation, continuity check, diode test, low-power resistance <ol style="list-style-type: none"> For AC voltage/current, RMS/MEAN detection can be switched. For AC voltage/current, the low-pass filter can be turned on/off. Data hold/auto hold/peak hold, range hold, maximum/minimum/average values resistance, capacitance zero, relative and percentage value calculation, manual-mode memory, logging-mode memory, auto power off, backlight (white LED) Display: 5-digit LCD 7-segment Digital display: Main display; [50,000] counts Sub-display; [50,000] counts Bar graph display: 51-segment Polarity indicator: "-" appears automatically when the polarity is negative Overrange indicator: "OL" Basic accuracy: 0.020% True RMS measurement Simultaneous measurement and display of DC and AC Switchable RMS/MEAN detection Low-pass Filter (LPF) AC50mV range Low-Power resistance measurement With full Support for Data Management With large-capacity logging-mode memory USB communication, application software (Optional DMM communication package) Confirms to safety standards EN61010-1 1000V CAT, 600V CAT. Safety shutters for preventing erroneous insertion of test leads into current measurement terminals Operating temperature range: -20 to +55°C Storage temperature range: -40 to +70°C Closed Case Calibration Warranty: at least one (1) year <p>Inclusive of all government fees, taxes and duties. Delivery Period: 60 days upon receipt of NTP</p>	RDD	Competitive Bidding	1st - 0nd Quarter of 2020	GOP	80,000.00	0.00	80,000.00	EPIIC_Y2 (GIA)
50605040 02	9	<p>Handheld Digital Multimeter:</p> <ol style="list-style-type: none"> Maximum voltage between any terminal and earth ground: 600 V Surge protection: 6 kV peak per IEC 61010-1 600 V CAT III, Pollution Degree 2 Fuse for A input: 11 A, 1000 V FAST 17 kA Fuse Display: <ol style="list-style-type: none"> Digital: 6,000 counts, updates 4/sec Bar Graph: 33 segments, updates 32/sec Operating Temperature: -10 °C to +50 °C; Storage: -40 °C to +60 °C Operating altitude: 2,000 m Battery: <ol style="list-style-type: none"> Type: 9 Volt Alkaline, NEDA 1604A/IEC 6LR61 Life: 400 hours typical, without backlight Safety compliances: ANSI/ISA 82.02.01 (61010-1) 2004, CAN/CSA C22.2 No 61010-1-04, UL 6101B (2003) and IEC/EN 61010-1 2nd Edition for measurement Category III, 600 V, Pollution Degree 2, EMC EN61326-1 Certifications: UL, CSA, TUV, N10140, VDE IP rating (dust and water protection): IP42 Warranty: at least one (1) year <p>Features:</p> <ol style="list-style-type: none"> With integrated technology for non-contact voltage detection similar or better than VoltAlert With automatic AC/DC voltage selection modes to provide faster and more accurate readings Provides low input impedance to help prevent false readings due to ghost voltage With large white LED backlight for working in poorly lit areas True RMS capabilities for accurate measurements on non-linear loads Measures 10 A (20 A overload for 30-seconds) Measures resistance, continuity, frequency, and capacitance Provides Min/Max/Average to record signal fluctuations Includes holster with probe holders for easy storage With compact ergonomic design for one-handed operation Fits into magnetic hanger for hands-free operation <p>Inclusive of all government fees, taxes and duties Delivery Period: 60 days upon receipt of NTP</p>	RDD	Competitive Bidding	1st - 2nd Quarter of 2020	GOP	285,000.00	0.00	285,000.00	EPIIC_Y2 (GIA)

50605040 14	9	<p>Low Noise Amplifier:</p> <ol style="list-style-type: none"> 1. 1.4 dB NF Low Noise Amplifier 2. Operating from 10 MHz to 3 GHz with 34 dB Gain, 11 dBm P1dB and SMA 3. Frequency Range: 0.01 ~ 3GHz 4. Small Signal Gain: 32.53 ~ 436.5dB 5. Gain Flatness: $\pm 0.75 \sim \pm 1dB$ 6. Gain Variance at OTR: 1.25dB 7. Output at 1 dB Compression Point: +10 ~ +11dBm 8. Output 3rd Intercept Point: +25dBm 9. Noise Figure (50 MHz to 3 GHz): 1.4 ~ 1.7dB 10. Input VSWR: 1.4:1 ~ 1.6:1 11. Output VSWR: 1.4:1 ~ 1.6:1 12. Reverse Isolation: 40 ~ 50dB 13. Operating DC Voltage: 10, 12, 15 Volts 14. Operating DC Current: 85, 95, 105 mA 15. Operating Temperature Range: -40 ~ +85°C 16. Warranty: at least one (1) year <p>Inclusive of all government fees, taxes and duties. Delivery Period: 60 days upon receipt of NTP</p>	RDD	Competitive Bidding	1st- 2nd Quarter of 2020	GOP	60,000.00	0.00	60,000.00	EPIIC_Y2 (GIA)
50605040 14	9	<p>Benchtop Electronic DC Load:</p> <ol style="list-style-type: none"> 1. Single input rating <ol style="list-style-type: none"> 1.1. Voltage: 0 to 150 V 1.2. Current: 0 to 60 V 1.3. Power: 350 W 1.4. Minimum Operating Voltage: 1.3V (@ 60A) 1.5. Resistance: 350kΩ 2. CC Mode <ol style="list-style-type: none"> 2.1. Range: 0 to 6A (low range), 0 to 60A (high range) 2.2. Resolution: 1mA 2.3. Accuracy $\pm(0.05\% + 0.05\%FS)$ 2.4. Temperature Coefficient: 100ppm/°C 3. CV Mode <ol style="list-style-type: none"> 3.1. Range: 0 to 15V (low range), 0 to 150V (high range) 3.2. Resolution: 1mV (low range), 5mV (high range) 3.3. Accuracy $\pm(0.05\% + 0.02\%FS)$ (low range), $\pm(0.05\% + 0.025\%FS)$ (high range) 3.4. Temperature Coefficient: 50ppm/°C 4. CR Mode <ol style="list-style-type: none"> 4.1. Range: 0.08Ω to 15Ω (low range), 2Ω to 15kΩ (high range) 4.2. Resolution: 2mA/Vsense 4.3. Accuracy: Vin/Rset*(0.2%) + 0.2%IFS 5. CP Mode <ol style="list-style-type: none"> 5.1. Range: 0 to 350W 5.2. Resolution: 100mW 6. CC Continuous Mode <ol style="list-style-type: none"> 6.1. Frequency Range: 0.001Hz to 30kHz 6.2. Frequency Accuracy: 0.8% 6.3. Frequency Resolution: $\pm 0.5\%$ 6.4. Duty Cycle Range: 5% to 95%, 1% 7. Slew Rate <ol style="list-style-type: none"> 7.1. CC Slew Rate: 0.001A/μs to 0.5A/μs (low range), 0.001A/μs to 5A/μs (>5V) (high range) 7.2. Resolution: 0.001A/μs 7.3. Accuracy: 5% + 10μs 8. Current Readback <ol style="list-style-type: none"> 8.1. Range: 0 to 60A 8.2. Resolution: 0.1mA 8.3. Accuracy: $\pm(0.05\% + 0.05\%FS)$ 8.4. Temperature Coefficient: 50ppm/°C 9. Voltage Readback <ol style="list-style-type: none"> 9.1. Range: 0 to 150V 9.2. Resolution: 1mV 9.3. Accuracy $\pm(0.05\% + 0.02\%FS)$ 9.4. Temperature Coefficient: 20ppm/°C 10. Protection Functions: Over-current protection (OCP), over-voltage protection (OVP), over-power protection (OPP), over-temperature protection (OTP), as well as local / remote reverse voltage (LRV / RRV) protection. 11. Stability: <ol style="list-style-type: none"> 11.1. Current: $\pm(0.01\% \pm 10mA)$ 11.2. Voltage: $\pm(0.01\% \pm 10mV)$ 12. Communications Interfaces <ol style="list-style-type: none"> 12.1. USB Device: Standard 12.2. USB Host: Standard 12.3. RS232: Standard 12.4. LAN: Standard 12.5. Digital I/O: Standard 13. AC Power Supply <ol style="list-style-type: none"> 13.1. Voltage: 230V $\pm 10\%$, 250V max., 50Hz to 60Hz, nom. 13.2. Power: <30VA 14. Environment* <ol style="list-style-type: none"> 14.1. Cooling Method: Fan 14.2. Operating Temperature: 0°C to 40°C 14.3. Storage Temperature: -40°C to 70°C 14.4. Humidity: 5% to 80% RH 14.5. Altitude: <2,000m 15. Warranty: at least one (1) year <p>Inclusive of all government fees, taxes and duties Delivery Period: 60 days upon receipt of NTP</p>	RDD	Competitive Bidding	1st- 2nd Quarter of 2020	GOP	180,000.00	0.00	180,000.00	EPIIC_Y2 (GIA)

50605040	14	9	<p>Benchtop LCR Meter:</p> <ol style="list-style-type: none"> 1. Max Capacitance Measurement: 9999F 2. Max Resistance Measurement: 9.999 GΩ 3. Max Inductance Measurement: 9999H 4. Type: Bench 5. Display Type: LCD 6. Power Source: Mains 7. Operating Temperature: 0 - 40°C 8. SCPI-compliant programming (can be programmed remotely via USB (virtual COM), GPIB, and LAN interface using SCPI commands) 9. with compact 2U half-rack form factor with 4.3" color display 10. Warranty: at least one (1) year <p>Features:</p> <ol style="list-style-type: none"> 1. Measurement parameters: L, C, R, Z, G, B, Y, D, Q, θ, DCR 2. With 0.05% best impedance accuracy 3. With test frequency from 20 Hz - 300 kHz and 4-digit resolution 4. With 0.5 Vrms and 1 Vrms selectable test levels 5. Adjustable measurement speed for fast readout or better accuracy 6. 300-point linear and logarithmic sweep function 7. Bin sorting function (9 primary, one secondary and one out-of-spec bin) 8. Save/recall up to 100 setups (10 internal) including 1000 measurements and screenshots <p>Includes:</p> <ol style="list-style-type: none"> 1. Kelvin clip test leads for 4-wire measurements 2. Test fixture which allows users to conveniently measure axial and radial lead type components <p>Inclusive of all government fees, taxes and duties Delivery Period: 60 days upon receipt of NTP</p>	RDD	Competitive Bidding	1st - 2nd Quarter of 2020	GOP	160,000.00	0.00	160,000.00	EPIIC_Y2 (GIA)
50203990	00	9	<p>Cutting Blades *Additional pair of cutting blades for the board</p>	RDD	Competitive Bidding	1st - 2nd Quarter of 2020	GOP	28,710.00	28,710.00	0.00	EPIIC_Y2 (GIA)
50205030	01	9	Renewal of Local Transport to Mariano Marcos State University - Batac Link, 1Gbps from 06 August 2020 to 31 December 2020	SSED	Renewal of WETI	3rd - 4th Quarter of 2020	GOP	1,189,429.25	1,189,429.25	0.00	INNOVATE
50205030	01	9	Renewal of Local Transport to UP Los Baños Link/IRRI - Secondary, 1Gbps from 05 July 2020 to 31 December 2020	SSED	Renewal of WETI	3rd - 4th Quarter of 2020	GOP	1,009,738.95	1,009,738.95	0.00	INNOVATE
50205030	01	9	Renewal and Downgrade of IPL Japan, from 10Gbps to 1Gbps from 31 May 2020 to 31 December 2020	SSED	Renewal of WETI	2nd - 4th Quarter of 2020	GOP	9,097,255.33	9,097,255.33	0.00	INNOVATE
50205030	00	9	Renewal and downgrade of Local Transport to Davao-Primary from 2Gbps to 1 Gbps	SSED	Renewal of WETI	1st - 4th Quarter of 2020	GOP	7,170,967.74	7,170,967.74	0.00	PEDRO
50205020	01	9	<p>Renewal of 5 of 5 Mobile Internet @ 1500.00 [1 unit (6 months) and 4 units (12 months)]</p> <p>Contract Duration:</p> <ol style="list-style-type: none"> 1.) 1 unit: 01 January 2020 - 30 June 2020 Computation: 1 unit x Php 1500 x 6 mos = Php 9,000.00 2.) 4 units: 01 January 2020 - 31 December 2020 Computation: 4 units x Php 1500 x 12 mos = Php 72,000.00 	SSED	Renewal of WETI	1st - 4th Quarter of 2020	GOP	81,000.00	81,000.00	0.00	STATIONS
50203010	01	9	<p>WIRELESS MOUSE</p> <p>A. Features:</p> <ol style="list-style-type: none"> 1. Automatically puts itself to sleep when not in use 2. On/off switch 3. Wireless connection up to 10m away 4. Without click noise 5. Durable build and tactile feedback 	SSED	NP-53.9 Small Value Procurement	2nd Quarter of 2020	GOP	10,000.00	10,000.00	0.00	OPTIMIZATION (GIA)
50203990	00	9	<p>SOIL MOISTURE AND TEMPERATURE SENSORS</p> <p>A. General</p> <ol style="list-style-type: none"> 1. Three-probe sensor 2. Measures the following soil parameters: - moisture - temperature 	SSED	NP-53.9 Small Value Procurement	2nd Quarter of 2020	GOP	660,000.00	660,000.00	0.00	OPTIMIZATION (GIA)
50203210	00	9	<p>LCD MONITORS</p> <p>Diagonal Viewing Size 59.9 cm 23.6 inches (23.6-inch wide viewable image size)</p> <p>Panel Type, Surface TN , Anti-Glare with 3H hardness</p>	SSED	NP-53.9 Small Value Procurement	2nd Quarter of 2020	GOP	107,000.00	107,000.00	0.00	OPTIMIZATION (GIA)
50203990	00	9	<p>MASS ALERTING SIRENS</p> <p>GENERAL:</p> <p>Type: Mono-crystalline Solar Module</p> <p>A. Electrical Specs.</p> <p>Peak Power : at least 25 W</p> <p>Cell Efficiency : 14.02 % (min)</p>	SSED	NP-53.9 Small Value Procurement	2nd Quarter of 2020	GOP	665,000.00	665,000.00	0.00	OPTIMIZATION (GIA)
50203990	00	9	<p>RAIN GAUGE</p> <p>Self-emptying tipping bucket, compatible with ASTI-developed datalogger</p>	SSED	NP-53.9 Small Value Procurement	2nd Quarter of 2020	GOP	600,000.00	600,000.00	0.00	OPTIMIZATION (GIA)
50203990	00	9	<p>POLO SHIRTS</p> <p>Layout: To be provided by end-user</p> <p>Sizes: Various sizes (XXXL, XXL, XL, L, M, S, XS) (Tokens)</p>	SSED	NP-53.9 Small Value Procurement	2nd Quarter of 2020	GOP	58,500.00	58,500.00	0.00	OPTIMIZATION (GIA)

50203990 00	9	JACKETS Layout: To be provided by end-user Sizes: Various sizes (XXXL, XXL, XL, L, M, S, XS) (Tokens)	SSED	NP-53.9 Small Value Procurement	2nd Quarter of 2020	GOP	198,000.00	198,000.00	0.00	OPTIMIZATION (GIA)
50211990 00	9	CONTROLLER BOX ASSEMBLY WITH ASTI-DESIGNED DATALOGGER I. Enclosure - Body color: Gray II. Back plate for controller box	SSED	NP-53.9 Small Value Procurement	2nd Quarter of 2020	GOP	400,000.00	400,000.00	0.00	OPTIMIZATION (GIA)
50203990 00	9	ISDB-T Tuner Board Components Includes Voltage Regulator Includes Passive Components Includes Signal and RF Connectors	SSED	NP-53.9 Small Value Procurement	2nd Quarter of 2020	GOP	8,988.45	8,988.45	0.00	RURAL SYNC
50203990 00	9	Coaxial Matching Pad 50 Ohms to 75 Ohms SMA-female to F-Male	SSED	NP-53.9 Small Value Procurement	2nd Quarter of 2020	GOP	3,978.00	3,978.00	0.00	RURAL SYNC
50203990 00	9	F-Female to F-Female Adapter 75 Ohms 1GHz Max Frequency	SSED	NP-53.9 Small Value Procurement	2nd Quarter of 2020	GOP	1,140.00	1,140.00	0.00	RURAL SYNC
50203990 00	9	0 Ohm SMD Resistor 0 Ohm, 0805(2012 Metric), 0.5mOhm, 22.4A	SSED	NP-53.9 Small Value Procurement	2nd Quarter of 2020	GOP	2,622.00	2,622.00	0.00	RURAL SYNC
50203990 00	9	200 Ohm SMD Resistor 200 Ohms, 0805(2012 Metric), 1%, 150V	SSED	NP-53.9 Small Value Procurement	2nd Quarter of 2020	GOP	1,749.00	1,749.00	0.00	RURAL SYNC
50203990 00	9	33 pf SMD Capacitor 33pF COG, 0805(2012 Metric), 5%, 50VDC	SSED	NP-53.9 Small Value Procurement	2nd Quarter of 2020	GOP	519.90	519.90	0.00	RURAL SYNC
50203990 00	9	270 nH SMD Inductor 270 nH Multilayer, 0402(1005 Metric), 5%, 110mA	SSED	NP-53.9 Small Value Procurement	2nd Quarter of 2020	GOP	61.50	61.50	0.00	RURAL SYNC
50203990 00	9	2.54mm Pin Headers 20 positions, 1 row, 2.54mm pitch, Through Hole	SSED	NP-53.9 Small Value Procurement	2nd Quarter of 2020	GOP	1,170.00	1,170.00	0.00	RURAL SYNC
50203990 00	9	1.27mm Pin Headers 20 positions, 1 row, 1.27mm pitch, through hole	SSED	NP-53.9 Small Value Procurement	2nd Quarter of 2020	GOP	652.50	652.50	0.00	RURAL SYNC
50203990 00	9	USB development board 2.54 mm GPIO pins Logic Analyzer Function	SSED	NP-53.9 Small Value Procurement	2nd Quarter of 2020	GOP	1,200.00	1,200.00	0.00	RURAL SYNC
502070 02	9	Vector Multiplier Board Frequency Range: 20 MHz to 2.4 GHz Magnitude Control: 5dB to -30dB	SSED	NP-53.9 Small Value Procurement	2nd Quarter of 2020	GOP	51,705.00	51,705.00	0.00	SAGAP
50299010 00	9	Tarpaulin for the SAR Applications Training (Tarpaulin for Training Backdrop Estimated 65 participants incl. ASTI size. 8ft x 3ft)	SSED	NP-53.9 Small Value Procurement	2nd Quarter of 2020	GOP	1,000.00	1,000.00	0.00	SAR with AIS (GIA)
50211990 00	9	Service for the elevation of V-POTEKA Station's concrete foundation Tentative number of days: 4 days	SSED	NP-53.9 Small Value Procurement	2nd Quarter of 2020	GOP	30,000.00	30,000.00	0.00	ULAT (GIA)
50201010 00	9	Airfare for Travel	SSED	NP-53.14 Direct Retail Purchase of Petroleum Fuel Oil and Lubricant (POL) Products and Airline Tickets	2nd Quarter of 2020	GOP	10,000.00	10,000.00	0.00	SAR with AIS (GIA)
TOTAL							27,081,200.52	25,465,200.52	1,616,000.00	

Prepared and Consolidated By:


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