

Department of Science and Technology
Advanced Science and Technology Institute
C.P. Garcia Ave., U.P. Technopark, U.P. Campus, Diliman, Quezon City 1101

Annual Procurement Plan for 2020
APP-2020-NCSE-017 (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	
50203990 00	17 Voice Coil 2 pcs. Model No. 2412H Compatible to JBL Eon 1500 speakers	KMD	NP-53.9 Small Value Procurement	3rd Quarter of 2020				GOP	4,600.00	4,600.00	0.00	
50203010 02	17 AAA Battery 4 pcs.	KMD	Shopping	3rd Quarter of 2020				GOP	2,000.00	2,000.00	0.00	
50203990 00	17 Contact Smart Cards -12 pcs. -Supported in OpenSC and OpenSSL -ISO 7816-4 compliant -Common Criteria EAL 5+ certified operating system -Blank and uninitialized -Interface: contact only (not contactless) -Encryption: supports 4096 bit RSA, 521 bit ECC and 256 bit AES -Capacity: 60KB memory	RDD	NP-53.9 Small Value Procurement	3rd Quarter of 2020				GOP	18,000.00	18,000.00	0.00	AESS
50203990 00	17 Customized USB OTG (32 GB) with packaging/box. -45 pcs. -Dual USB On-the-Go/Flash Drive -Interface: Micro-USB/USB 2.0/USB 3.0	OD	NP-53.9 Small Value Procurement	3rd Quarter of 2020				GOP	36,000.00	36,000.00	0.00	TLO
50203010 01	17 Original Laptop Adapter for Presentation -1 pc -USB Type C, portable	OD	NP-53.9 Small Value Procurement	3rd Quarter of 2020				GOP	3,500.00	3,500.00	0.00	TLO
50211990 00	17 Psychological Exam -1 lot -For third level positions -Tentative schedule of exam: August 24-26, 2020 -Release of results within 15 days -VAT inclusive	OD	NP-53.9 Small Value Procurement	3rd Quarter of 2020				GOP	100,000.00	100,000.00	0.00	HR
50299010 00	17 Newspaper Posting -Job vacancy advertisement -3 column x 15 -Gray scale -for the hiring of Director IV of DOST-ASTI	OD	NP-53.9 Small Value Procurement	3rd Quarter of 2020				GOP	10,000.00	10,000.00	0.00	HR
50604050 02	17 Digital Camera 1 unit	FAD	NP-53.9 Small Value Procurement	3rd Quarter of 2020				GOP	17,500.00	0.00	17,500.00	
50203990 00	17 Fabric Protector Spray 600cc 1 pc	FAD	NP-53.9 Small Value Procurement	3rd Quarter of 2020				GOP	1,000.00	1,000.00	0.00	
50213060 01	17 Tires for Nissan Urvan SP-175 tubeless 4 pcs	FAD	NP-53.9 Small Value Procurement	3rd Quarter of 2020				GOP	32,000.00	32,000.00	0.00	
50213060 01	17 Tires for Innova 205/65 R15 99H Tubeless 2 pcs	FAD	NP-53.9 Small Value Procurement	3rd Quarter of 2020				GOP	12,000.00	12,000.00	0.00	
50203990 00	17 Multi-purpose Lubricant, Digreaser and Rust Removal 14oz. 3 pcs	FAD	NP-53.9 Small Value Procurement	3rd Quarter of 2020				GOP	1,200.00	1,200.00	0.00	
50203990 00	17 Pruning shears - 7 inches 1 pc	FAD	NP-53.9 Small Value Procurement	3rd Quarter of 2020				GOP	300.00	300.00	0.00	
50203010 02	17 Label Printer Tape 62mm W, 30.48 L 3 rolls	FAD	NP-53.9 Small Value Procurement	3rd Quarter of 2020				GOP	6,900.00	6,900.00	0.00	
50203990 00	17 Toilet Bowl - Replacement of Toilet Bowl in Director's office, OD Pantry, 3rd Fir Male CR, GF Female CR 4 pcs	FAD	NP-53.9 Small Value Procurement	3rd Quarter of 2020				GOP	36,000.00	36,000.00	0.00	
50207020 02	17 90W UHF Power Amplifier 1 unit Delivery: 30 days upon issuance of PO	SSED	NP-53.9 Small Value Procurement	3rd Quarter of 2020				GOP	59,400.00	59,400.00	0.00	RuralSync
50207020 02	17 5W UHF Power Amplifier 1 unit Delivery: 30 days upon issuance of PO	SSED	NP-53.9 Small Value Procurement	3rd Quarter of 2020				GOP	18,645.00	18,645.00	0.00	RuralSync
50203990 00	17 8GB Ram Single Board Computer 3 units Delivery: 30 days upon issuance of PO	SSED	NP-53.9 Small Value Procurement	3rd Quarter of 2020				GOP	19,440.00	19,440.00	0.00	RuralSync

50203010 01	17	SD card 64 GB Micro SD memory storage 3 pcs	SSED	NP-53.9 Small Value Procurement	3rd Quarter of 2020	GOP	2,310.00	2,310.00	0.00	RuralSync
50203210 03	17	External Hard Drive Capacity 1TB Interface USB 3.0 3 units Delivery: 30 days upon issuance of PO	SSED	NP-53.9 Small Value Procurement	3rd Quarter of 2020	GOP	11,700.00	11,700.00	0.00	RuralSync
50299050 03	17	Vehicle Rental for RuralSync Project Field Survey and Meetings - Tentative Site/s: Region 3 & 4 (Pampanga, Cavite & Batangas) - Tentative No of Days/ trip: max of 2 days per trip - airconditioned van, can accommodate 10 pax -- actual location and duration to be provided by end-user	SSED	NP-53.9 Small Value Procurement	3rd - 4th Quarter of 2020	GOP	23,000.00	23,000.00	0.00	RuralSync
50207020 02	17	Transmitter Antenna 1 lot	SSED	NP-53.9 Small Value Procurement	3rd Quarter of 2020	GOP	50,000.00	50,000.00	0.00	RuralSync
50203990 00	17	Dual Tuner ISDB-T USB Receiver 1 set Delivery: 30 days upon issuance of PO	SSED	NP-53.9 Small Value Procurement	3rd Quarter of 2020	GOP	4,000.00	4,000.00	0.00	RuralSync
50203990 00	17	Single Tuner ISDB-T USB Receiver 1 set Delivery: 30 days upon issuance of PO	SSED	NP-53.9 Small Value Procurement	3rd Quarter of 2020	GOP	3,000.00	3,000.00	0.00	RuralSync
50606020 00	17	Demodulator License Upgrade	SSED	Competitive Bidding	3rd Quarter of 2020	GOP	1,000,000.00	0.00	1,000,000.00	PEDRO
50203990 00	17	Toolset for Antenna Maintenance 1 unit	SSED	NP-53.9 Small Value Procurement	3rd Quarter of 2020	GOP	14,900.00	14,900.00	0.00	GRASPED
50203990 00	17	12 Piece Chrome Vanadium Steel Spanner Set 1 unit	SSED	NP-53.9 Small Value Procurement	3rd Quarter of 2020	GOP	14,900.00	14,900.00	0.00	GRASPED
50203210 03	17	USB Microscope - 5MP interpolated 220x magnification / 8 LEDs 1 unit	SSED	NP-53.9 Small Value Procurement	3rd Quarter of 2020	GOP	7,500.00	7,500.00	0.00	GRASPED
50203210 03	17	Two way Radio (4 Pcs) 1 set	SSED	NP-53.9 Small Value Procurement	3rd Quarter of 2020	GOP	2,500.00	2,500.00	0.00	GRASPED
50203990 00	17	SparkFun DLI Kit for Jetson Nano 1 set	SSED	NP-53.9 Small Value Procurement	3rd Quarter of 2020	GOP	14,900.00	14,900.00	0.00	GRASPED
50203990 00	17	NVIDIA Jetson Nano Developer Kit (V3) 1 set	SSED	NP-53.9 Small Value Procurement	3rd Quarter of 2020	GOP	8,000.00	8,000.00	0.00	GRASPED
50203010 01	17	Wall Mount Power Supply 5V 4A 5 units	SSED	NP-53.9 Small Value Procurement	3rd Quarter of 2020	GOP	7,000.00	7,000.00	0.00	GRASPED
50203210 02	17	10L Wet and Dry Vacuum Cleaner 1 unit	SSED	NP-53.9 Small Value Procurement	3rd Quarter of 2020	GOP	5,000.00	5,000.00	0.00	GRASPED
50203210 03	17	SDR Active Learning Module Kit 2 units	SSED	NP-53.9 Small Value Procurement	3rd Quarter of 2020	GOP	27,000.00	27,000.00	0.00	GRASPED
50203210 02	17	Digital Clamp Meter 1 unit	SSED	NP-53.9 Small Value Procurement	3rd Quarter of 2020	GOP	8,000.00	8,000.00	0.00	GRASPED
50203010 01	17	Embedded Module with Camera for Machine Vision 1 unit	SSED	NP-53.9 Small Value Procurement	3rd Quarter of 2020	GOP	5,200.00	5,200.00	0.00	GRASPED
50203010 01	17	Ultra Wide Angle Lens 1 unit	SSED	NP-53.9 Small Value Procurement	3rd Quarter of 2020	GOP	1,200.00	1,200.00	0.00	GRASPED
50203010 01	17	Quad-band Wired Cellular Antenna SMA 4 units	SSED	NP-53.9 Small Value Procurement	3rd Quarter of 2020	GOP	4,000.00	4,000.00	0.00	GRASPED
50203990 00	17	FPGA Development Kit 2 units	SSED	NP-53.9 Small Value Procurement	3rd Quarter of 2020	GOP	24,000.00	24,000.00	0.00	GRASPED
50213050 02	17	Standard Calibration of Fluke 5411 Digital Thermometer SN: 96320062 1 pc	SSED	NP-53.9 Small Value Procurement	3rd Quarter of 2020	GOP	1,800.00	1,800.00	0.00	SAGAP
50207020 02	17	Laser Rangefinder range: at least 2400 meters 1 set	SSED	NP-53.9 Small Value Procurement	3rd Quarter of 2020	GOP	56,000.00	56,000.00	0.00	SAGAP
50207020 02	17	LIDAR Module Measurement range: up to 25m 1 set	SSED	NP-53.9 Small Value Procurement	3rd Quarter of 2020	GOP	44,000.00	44,000.00	0.00	SAGAP
50203990 00	17	Single board computer - 8GB 3 sets	SSED	NP-53.9 Small Value Procurement	3rd Quarter of 2020	GOP	17,096.40	17,096.40	0.00	SAGAP
50203010 01	17	SD Card 64GB 3 units	SSED	NP-53.9 Small Value Procurement	3rd Quarter of 2020	GOP	2,145.00	2,145.00	0.00	SAGAP
50203990 00	17	RF Balun Transformer SMT TRANSFORMER 5MHZ-3GHZ 10 units	SSED	NP-53.9 Small Value Procurement	3rd Quarter of 2020	GOP	1,845.00	1,845.00	0.00	SAGAP
50203990 00	17	Various passive electronic components Size: 0402, 0604 1 lot	SSED	NP-53.9 Small Value Procurement	3rd Quarter of 2020	GOP	4,400.00	4,400.00	0.00	SAGAP
50203210 03	17	Rugged External Hard Disk - 1 TB 2 units	SSED	NP-53.9 Small Value Procurement	3rd Quarter of 2020	GOP	18,000.00	18,000.00	0.00	SAGAP
50299050 03	17	Vehicle Rental for Metro Manila (8 days) 1 lot	SSED	NP-53.9 Small Value Procurement	3rd Quarter of 2020	GOP	36,000.00	36,000.00	0.00	SAGAP
50299050 03	17	Vehicle Rental for CALABARZON (6 days) 1 lot	SSED	NP-53.9 Small Value Procurement	3rd Quarter of 2020	GOP	39,000.00	39,000.00	0.00	SAGAP
50299050 03	17	Vehicle Rental for Region 3 (3 days) 1 lot	SSED	NP-53.9 Small Value Procurement	3rd Quarter of 2020	GOP	25,000.00	25,000.00	0.00	SAGAP


50211990 00	17	Penetration Testing 1 lot	SSED	NP-53.9 Small Value Procurement	4th Quarter of 2020	GOP	500,000.00	500,000.00	0.00	SAR with AIS
50604050 03	17	Network Server 1 unit	SSED	NP-53.9 Small Value Procurement	4th Quarter of 2020	GOP	100,000.00	0.00	100,000.00	SAR with AIS
50299050 03	17	Vehicle Rental Region VI (Iloilo) - Airconditioned	SSED	NP-53.9 Small Value Procurement	1st Quarter of 2020	GOP	3,450.00	3,450.00	0.00	ULAT
50203990 00	17	32GB Camera Memory Card 2 pcs	SSED	NP-53.9 Small Value Procurement	1st Quarter of 2020	GOP	3,500.00	3,500.00	0.00	ULAT
50203990 00	17	Point-and-Shoot Camera Bag (16 x 13 x 18 cm) 1 pc	SSED	NP-53.9 Small Value Procurement	1st Quarter of 2020	GOP	3,500.00	3,500.00	0.00	ULAT
50211990 00	17	Repair service for the Perimeter FenceSize: Approximately 2x2M	SSED	NP-53.9 Small Value Procurement	4th Quarter of 2020	GOP	150,000.00	150,000.00	0.00	ULAT
50203990 00	17	Conductive coating Color: Dark Gray 1 pc	SSED	NP-53.9 Small Value Procurement	4th Quarter of 2020	GOP	3,600.00	3,600.00	0.00	ULAT
50203990 00	17	Paint Thinner (16L) 2 pcs	SSED	NP-53.9 Small Value Procurement	4th Quarter of 2020	GOP	7,000.00	7,000.00	0.00	ULAT
50203990 00	17	Cable ties (100 pcs per box) Length: 6in 8 boxes	SSED	NP-53.9 Small Value Procurement	4th Quarter of 2020	GOP	6,400.00	6,400.00	0.00	ULAT
50203990 00	17	Cable ties (100 pcs per box) Length: 12in 8 boxes	SSED	NP-53.9 Small Value Procurement	4th Quarter of 2020	GOP	20,800.00	20,800.00	0.00	ULAT
50203990 00	17	Gray Paint (4L) 8 pcs	SSED	NP-53.9 Small Value Procurement	4th Quarter of 2020	GOP	10,400.00	10,400.00	0.00	ULAT
50203990 00	17	Black PU Adjustable Anti Static Grounding Wrist Band Electricity Bracelet 25 pcs	SSED	NP-53.9 Small Value Procurement	4th Quarter of 2020	GOP	2,250.00	2,250.00	0.00	ULAT
50203990 00	17	Lacquer Thinner (4 Liter) 3 pcs	SSED	NP-53.9 Small Value Procurement	4th Quarter of 2020	GOP	10,500.00	10,500.00	0.00	ULAT
50203990 00	17	Dirt and Stain Remover (250 g) 3 pcs	SSED	NP-53.9 Small Value Procurement	4th Quarter of 2020	GOP	630.00	630.00	0.00	ULAT
50203210 02	17	Cutting Sickle 2 pcs	SSED	NP-53.9 Small Value Procurement	4th Quarter of 2020	GOP	5,800.00	5,800.00	0.00	ULAT
50203990 00	17	Desoldering Pump Tool 2 pcs Size: Standard Anti-Static Body Material: Aluminium	SSED	NP-53.9 Small Value Procurement	4th Quarter of 2020	GOP	4,000.00	4,000.00	0.00	ULAT
50203990 00	17	Anti-rust lubricant 9.03oz 12 pcs	SSED	NP-53.9 Small Value Procurement	4th Quarter of 2020	GOP	5,400.00	5,400.00	0.00	ULAT
50203990 00	17	ARM Development Board Kit 3 kits STM32F746ZGT6 216MHz Cortex-M7 core microcontroller with 1MB Flash memory, 320KB SRAM 8- to 14-bit parallel camera interface up to 54MB/s Up to 25 serial communication interfaces: USART, IrDA, I ² C, SPI, LIN, CAN, USB, I ² S, SDIO, HDMI-CEC, S/PDIF-Rx, Ethernet 32.768 KHz crystal oscillator	SSED	NP-53.9 Small Value Procurement	4th Quarter of 2020	GOP	7,710.00	7,710.00	0.00	ULAT
50203990 00	17	ARM Development Board Kit 2 kits 128-core NVIDIA Maxwell™ GPU Quad-core ARM® A57 CPU 4 GB 64-bit LPDDR4 10/100/1000BASE-T Ethernet	SSED	NP-53.9 Small Value Procurement	4th Quarter of 2020	GOP	15,600.00	15,600.00	0.00	ULAT
50203990 00	17	ARM Development Board Kit 10 kits Power: T-LINK USB VBUS or external sources Debugger/Programmer: ST-LINK/V2-1 Flash Memory: 32kB Clock Speed: 32MHz	SSED	NP-53.9 Small Value Procurement	4th Quarter of 2020	GOP	14,600.00	14,600.00	0.00	ULAT
50203990 00	17	In Circuit Debugger/Programmer 3 units SWIM Features: • 1.65 to 5.5 V • SWIM low-speed and high-speed modes supported JTAG/SWD Features: • 1.65 to 3.6 V • 5 V tolerant inputs	SSED	NP-53.9 Small Value Procurement	4th Quarter of 2020	GOP	21,000.00	21,000.00	0.00	ULAT
50203990 00	17	Wireless Expansion Board 3 pcs Low-power 2.4GHz IEEE 802.11 b/g/n compliant transceiver RF Power C Receiver Sensitivity: -74.5dBm @ 54Mbps OFDM 120MHz STM32F439 Cortex-M4F MCU with 2MB Flash memory, 256KB 19 x Configurable GPIO pins available	SSED	NP-53.9 Small Value Procurement	4th Quarter of 2020	GOP	7,050.00	7,050.00	0.00	ULAT

50203990 00	17	RTC Module 10 pcs Clock chip: high-precision clock chip DS3231 Clock Accuracy :0-40 Degree range, the accuracy 2ppm, the error was a Memory chips: AT24C32 (storage capacity 32K) IIC bus interface, the maximum transmission speed of 400KHz (working	SSED	NP-53.9 Small Value Procurement	4th Quarter of 2020	GOP	1,500.00	1,500.00	0.00	ULAT
50203990 00	17	Comparator Module 10 pcs Form Factor: LM393 Extension Module Supply voltage DC 3-30V. Switch output: the output level is the supply voltage and zero volts Reference voltage adjustment range: minimum: 0V, the maximum: supply	SSED	NP-53.9 Small Value Procurement	4th Quarter of 2020	GOP	1,700.00	1,700.00	0.00	ULAT
50203990 00	17	Comparator Module 10 pcs Type: Voltage Regulator Application: Computer Supply Voltage: 3.3 -5V Form Factor: LM393 Extension Module	SSED	NP-53.9 Small Value Procurement	4th Quarter of 2020	GOP	650.00	650.00	0.00	ULAT
50203990 00	17	Comparator Module 10 pcs Form Factor: LM393 Extension Module Power supply voltage: 5-24V (specific supply voltage is determined by re Output high and low level (output current is about 3-5mA) The output switch is the relay dry node (capacity is 10A maximum	SSED	NP-53.9 Small Value Procurement	4th Quarter of 2020	GOP	2,800.00	2,800.00	0.00	ULAT
50203990 00	17	Transimpedance Amplifier Module 6 pcs Bandwidth: 240MHz Output: Differential PWM: 500ps RT/FT: 1.5ns Power Consumption: 5V, 25mA Peak Input Current: 350uA	SSED	NP-53.9 Small Value Procurement	4th Quarter of 2020	GOP	13,500.00	13,500.00	0.00	ULAT
50203990 00	17	Signal Amplifier Module 10 pcs Input voltage: 3-12VDC. (Bulk purchase can be customized) Signal input voltage: 100uV - 300mV Signal output range: ± (Vin-2V) Common mode rejection ratio: 100 dB Offset	SSED	NP-53.9 Small Value Procurement	4th Quarter of 2020	GOP	3,500.00	3,500.00	0.00	ULAT
50203990 00	17	Development Board 1 pc LTC4162 Battery Charger Power Management Evaluation Board for Li-Io	SSED	NP-53.9 Small Value Procurement	4th Quarter of 2020	GOP	14,000.00	14,000.00	0.00	ULAT
50203990 00	17	FPGA Starter Kit 4 kits 153 maximum FPGA I/O pins Memory Devices • 32MB SDRAM • 2KB I2C EEPROM G-sensor • ADI ADXL345, 3-axis accelerometer with 13-bit resolution	SSED	NP-53.9 Small Value Procurement	4th Quarter of 2020	GOP	40,000.00	40,000.00	0.00	ULAT
50203990 00	17	16-bit ADC module 3 pcs WIDE SUPPLY RANGE: 2.0V to 5.5V LOW CURRENT CONSUMPTION: Continuous Mode: Only 150uA Single PROGRAMMABLE DATA RATE: 8SPS to 860SPS	SSED	NP-53.9 Small Value Procurement	4th Quarter of 2020	GOP	2,400.00	2,400.00	0.00	ULAT
50203990 00	17	24-bit ADC module 6 pcs Low current consumption: as low as 120uA in duty cycle mode (typical) Power range: 3 V~5 V Dual matched programmable current source: 10uA to 1.5 mA Internal 2.048-V Reference: 5 ppm/°C (typical) Drift	SSED	NP-53.9 Small Value Procurement	4th Quarter of 2020	GOP	4,200.00	4,200.00	0.00	ULAT
50203990 00	17	Heat sinks (lot) 3 pcs per lot Material: Aluminum Includes: Thermal transfer tape	SSED	NP-53.9 Small Value Procurement	4th Quarter of 2020	GOP	1,020.00	1,020.00	0.00	ULAT
50203990 00	17	Paint brush 10 pcs Brush Size: Medium Bristle Shape: Flat Brush Diameter or Width: 50mm Angled: No	SSED	NP-53.9 Small Value Procurement	4th Quarter of 2020	GOP	8,000.00	8,000.00	0.00	ULAT
50211990 00	17	Embroidery Service for 250 shirts	SSED	NP-53.9 Small Value Procurement	1st Quarter of 2020	GOP	50,000.00	50,000.00	0.00	ULAT
50604050 03	17	Laptops for Research and Development 4 units in 1 lot	SSED	NP-53.9 Small Value Procurement	1st Quarter of 2020	GOP	450,000.00	0.00	450,000.00	ULAT
50205030 00	17	Renewal of Connectivity Subscription (including Membership) to TEIN from January 1 - December 31, 2020	SSED	Renewal of WETI	1st Quarter of 2020	GOP	2,700,000.00	2,700,000.00	0.00	Innovate
50203990 00	17	Sensor Tag for Prototyping 4 pieces	CSD	NP-53.9 Small Value Procurement	3rd Quarter of 2020	GOP	14,800.00	14,800.00	0.00	GUL.ai
50203220 02	17	Technical Book: How to Take Smart Notes: One Simple Technique to Boost Writing, Learning and Thinking – for Students, Academics and Nonfiction Book Writers, Softcover ISBN-13: 978-1542866507 ISBN-10: 1542866502 1 pc	CSD	NP-53.9 Small Value Procurement	3rd Quarter of 2020	GOP	1,700.00	1,700.00	0.00	GUL.ai

50203220 02	17	Technical Book: The Data Science Design Manual (Texts in Computer Science); Hardcover ISBN-13: 978-3319554433 ISBN-10: 9783319554433 1 pc	CSD	NP-53.9 Small Value Procurement	3rd Quarter of 2020	GOP	7,000.00	7,000.00	0.00	GUL.ai
50203220 02	17	Technical Book: Practical Quantum Computing for Developers: Programming Quantum Rigs in the Cloud using Python, Quantum Assembly Language and IBM QExperience (First Edition, Paperback); Author: Vladimir Silva; Edition: 1st Edition, December 13, 2018; Publisher: Apress; ISBN: ISBN-10:1484242173 ISBN-13:978-1484242179 1 pc	CSD	NP-53.9 Small Value Procurement	3rd Quarter of 2020	GOP	4,200.00	4,200.00	0.00	GUL.ai
50203220 02	17	Technical Book: Mastering Quantum Computing with IBM QX: Explore the world of quantum computing using the Quantum Composer and Qiskit (First Edition, Paperback); Author:Christine Corbett Moran; Edition: 1st Edition January 31, 2019; Publication: Packet Publishing; ISBN: ISBN-10:1789136431 ISBN-13:978-1789136432 1 pc	CSD	NP-53.9 Small Value Procurement	3rd Quarter of 2020	GOP	6,300.00	6,300.00	0.00	GUL.ai
50203220 02	17	Technical Book: Problems and Solutions in Quantum Computing and Quantum Information (4th Edition, Hardbound); Author:Willi-Hans Steeb, Yorick Hardy; Edition: 4th Edition April 26, 2018; Publication: World Scientific; ISBN: ISBN-10:9813238402 ISBN-13: 978-9813238404 1 pc	CSD	NP-53.9 Small Value Procurement	3rd Quarter of 2020	GOP	9,800.00	9,800.00	0.00	GUL.ai
50203220 02	17	Technical Book: Programming Quantum Computers: Essential Algorithms and Code Samples (1st Edition, Paperback); Author: Eric R. Johnston, Nic Harigan, Mercedes Gimeno-Segovia; Edition: 1st Edition July 23, 2019; Publication: O'Reilly Media; ISBN: ISBN-13:978-1492039686 ISBN-10: 1492039683 1 pc	CSD	NP-53.9 Small Value Procurement	3rd Quarter of 2020	GOP	5,900.00	5,900.00	0.00	GUL.ai
50203220 02	17	Technical Book: Quantum Computing: An Applied Approach (1st Edition, Hardbound); Author: Jack D. Hidary; Edition: 1st Edition August 30, 2019; Publication: Springer; ISBN-10:3030239217 ISBN-13:978-3030239213 1 pc	CSD	NP-53.9 Small Value Procurement	3rd Quarter of 2020	GOP	3,900.00	3,900.00	0.00	GUL.ai
50203220 02	17	Technical Book: No-Nonsense Quantum Mechanics: A Student-Friendly Introduction (Second Edition, Paperback); Author: Jakob Schwichtenberg; Edition: 2nd Edition December 1, 2018; Publication: Independently Published; ISBN-10:1790455383 ISBN-13:978-1790455386 1 pc	CSD	NP-53.9 Small Value Procurement	3rd Quarter of 2020	GOP	3,600.00	3,600.00	0.00	GUL.ai
50203220 02	17	Technical Book: Mathematics of Quantum Computing: An Introduction (First Edition, Hardbound); Author: Wolfgang Scherer; Edition: 1st Edition November 13, 2019; Publication: Springer; ISBN-10:303012357X ISBN-13:978-3030123574 1 pc	CSD	NP-53.9 Small Value Procurement	3rd Quarter of 2020	GOP	17,200.00	17,200.00	0.00	GUL.ai
50203220 02	17	Technical Book: Foundations of Deep Reinforcement Learning: Theory and Practice in Python (Addison-Wesley Data & Analytics Series) (First Edition, Paperback); Author: Laura Graesser, Wah Loon Keng; Edition: 1st Edition December 15, 2019; Publication: Addison-Wesley Data and Analytics Series; ISBN-13: 978-0135172384 ISBN-10:0135172381 1 pc	CSD	NP-53.9 Small Value Procurement	3rd Quarter of 2020	GOP	5,200.00	5,200.00	0.00	GUL.ai
50203220 02	17	Technical Book: The Design and Analysis of Computer Experiments (Springer Series in Statistics) (Second edition, Hardbound); Editor: Thomas J.Santner, Brian J. Williams, William I. Notz; Edition 2nd Edition, 2018 Edition January 09, 2019; Publication: Springer; ISBN-10149398845X ISBN-13:978-1493988457 i pc	CSD	NP-53.9 Small Value Procurement	3rd Quarter of 2020	GOP	13,200.00	13,200.00	0.00	GUL.ai
50203220 02	17	Technical Book: Hands-On Data Science for Marketing: Improve your marketing strategies with machine learning using Python and R; Editor: Yoon Hyup Hwang; Edition: 1st Edition March 2019; Publication: Packt Publishing; ISBN-13:978-1789346343 ISBN-10:1789346347 1 pc	CSD	NP-53.9 Small Value Procurement	3rd Quarter of 2020	GOP	6,200.00	6,200.00	0.00	GUL.ai
50203220 02	17	Technical Book: A Guide to Algorithm Design: Paradigms, Methods, and Complexity Analysis; Editor: Anne Benoit, Yves Robert, Frederic Vivien; Edition 2013, Hardcover; Publication: CRC Press; 1st edition (August 27, 2013); ISBN-13: 978-1439825648 ISBN-10:1439825645 1 pc	CSD	NP-53.9 Small Value Procurement	3rd Quarter of 2020	GOP	8,200.00	8,200.00	0.00	GUL.ai
50203990 00	17	3-Dimensional Printer PLA Filament Black for prototyping 10 rolls	CSD	NP-53.9 Small Value Procurement	3rd Quarter of 2020	GOP	9,000.00	9,000.00	0.00	GUL.ai
50203990 00	17	3-Dimensional Printer PLA Filament White for prototyping 10 rolls	CSD	NP-53.9 Small Value Procurement	3rd Quarter of 2020	GOP	9,000.00	9,000.00	0.00	GUL.ai
50203990 00	17	3-Dimensional Printer PLA Filament Transparent for prototyping 10 rolls	CSD	NP-53.9 Small Value Procurement	3rd Quarter of 2020	GOP	9,000.00	9,000.00	0.00	GUL.ai
50203990 00	17	Standoff M-F Hex Spacers Screw Nut Assortment Kit for Prototyping 5 pcs	CSD	NP-53.9 Small Value Procurement	3rd Quarter of 2020	GOP	1,000.00	1,000.00	0.00	GUL.ai
50203990 00	17	Side Cutter for Prototyping 2 pcs	CSD	NP-53.9 Small Value Procurement	3rd Quarter of 2020	GOP	300.00	300.00	0.00	GUL.ai
50203990 00	17	Heat Shrink Tubing Insulation Wire Cable Sleeve Kit for Prototyping 3pcs	CSD	NP-53.9 Small Value Procurement	3rd Quarter of 2020	GOP	1,080.00	1,080.00	0.00	GUL.ai

50203990 00	17	Thermoelectric Peltier Cooling System with Heatsink Kit for Prototyping 10 pcs	CSD	NP-53.9 Small Value Procurement	3rd Quarter of 2020	GOP	5,600.00	5,600.00	0.00	GUL.ai
50203990 00	17	USB C Power Adapter for Prototyping 4 pcs	CSD	NP-53.9 Small Value Procurement	3rd Quarter of 2020	GOP	2,800.00	2,800.00	0.00	GUL.ai
50203990 00	17	Aluminum Heatsink Case with Dual Fan For Prototyping 4 pcs	CSD	NP-53.9 Small Value Procurement	3rd Quarter of 2020	GOP	3,600.00	3,600.00	0.00	GUL.ai
50203990 00	17	Peristaltic Pump for Prototyping 10 ppcs	CSD	NP-53.9 Small Value Procurement	3rd Quarter of 2020	GOP	9,000.00	9,000.00	0.00	GUL.ai
50203990 00	17	Silicone Tube for Prototyping 10 pcs	CSD	NP-53.9 Small Value Procurement	3rd Quarter of 2020	GOP	2,500.00	2,500.00	0.00	GUL.ai
50203990 00	17	Angled Tweezer for Prototyping 2 pcs	CSD	NP-53.9 Small Value Procurement	3rd Quarter of 2020	GOP	400.00	400.00	0.00	GUL.ai
50203990 00	17	Motor Driver for Prototyping 5 pcs	CSD	NP-53.9 Small Value Procurement	3rd Quarter of 2020	GOP	1,250.00	1,250.00	0.00	GUL.ai
50203990 00	17	Logic Level Converter Bi-directional for Prototyping 5 pcs	CSD	NP-53.9 Small Value Procurement	3rd Quarter of 2020	GOP	500.00	500.00	0.00	GUL.ai
TOTAL							6,220,571.40	4,653,071.40	1,567,500.00	

Prepared and Consolidated By:

 Digitally signed
by Katherine B.
Ramos

KATHERINE B. RAMOS
Head, Bids and Awards Committee Secretariat

Recommending Approval:

PEDRITO B. MANGAHAS
Chairperson, Bids and Awards Committee - 1

Approved By:

PAUL JOHN M. SERRANO
Chairperson, Bids and Awards Committee - 2

PETER ANTONIO B. BANZON
Officer-in-Charge, DOST-ASTI