PROCUREMENT OF VARIOUS EQUIPMENT FOR BENGUET STATE UNIVERSITY -LA TRINIDAD CAMPUS

I. Procurement of Various IT Equipment and Supplies

A. IT Equipment and Supplies under IGI

Item	Unit	Item Description	QTY	Unit Cost	Total Cost
1	Unit	Desktop computers with the MINIMUM Specifications 1. System Unit: Processor: 4 cores 4 Threads, must be in the latest generation or 1 generation lower than the latest generation; Motherboard: sealed capacitors with SLV; 4GB RAM; 500GB SSD;500W true rated PSU ; ATX casing with cable management; 2. Monitor: Monitor 18.5"IPS/ LED; 3. installed with atleast Windows 10 to be compatible with the BSU Enrollment software with authentic disk , Office Suite that has atleast: word processor, spreadsheet, presentation. and has the capability to run on the lastest smart phones and tablets; USB optical mouse and keyboard (soft touch keys); 500w AVR; all items indicated make/brand of must have existed in the market with good records in the past 7 years;	10	28,000.00	280,000.00
2	Unit	LAPTOP with the MINIMUM specifications: processor: 6 cores 12 Threads, must be in the latest generation or 1 generation lower than the latest generation; 480GB SSD + 1TB HDD; 16Gb RAM; 15.6" FHD; with USB to LAN adapter if laptop does NOT have any LAN port; Installed with atleast Windows 10 to be compatible with the BSU Enrollment software , Office Suit: Not counterfeit, has atleast a presentation, word processor, and spreadsheet software, has capability to run on the latest smart phones and tablets with authentic disk; with accessories: optical mouse, bag, USB or DVD recovery disk; make/brand of must have existed in the market with good records in the past 7 years	1	80,000.00	80,000.00
3	Unit	PRINTER with the MINIMUM specifications: print technology: OEM CIS / on-demand inkjet (piezoelectric); connectivity: atleast Wi-Fi / Wi-Fi Direct and ethernet; maximum print resolution: high printing resolution of 5760x1400 dpi; scan speed (flatbed / ADF (simplex)): 200dpi, black: 12 sec / 4.5 ipm; 200dpi, colour: 29 sec / 4.5 ipm; fast print speeds up to 10ipm for black and 5.0ipm for colour; includes: one full set of ink bottles	2	15,000.00	30,000.00
4	Unit	Desktop computers" Desktop Computer Set [SPECS] with the MINIMUM specifications: 1. System unit: Processor: 4 cores 4 Threads, must be in the latest generation or 1 generation lower than the latest generation; Motherboard: sealed capacitors with SLV; 4GB RAM; 240Gb SSD + 1Tb HDD; 500W true rated PSU; ATX casing with cable management; 2. Monitor: 24" LED/IPS; 3. Accesories and applications: installed with atleast Windows 10 to be compatible with the BSU Enrollment software with authentic disk; Office Suite: Not counterfeit; has atleast: word processor, spreadsheet, presentation. and has the capability to run on the lastest smart phones and tablets with authentic disk; with accessories USB optical mouse and keyboard (soft touch keys); 500w AVR; (USB powered speaker); all items indicated make/brand of must have existed in the market with good records in the past 7 years;	7	40,000.00	280,000.00
5	Unit	LAPTOP with the MINIMUM specifications: processor: 2 cores 4 Threads 4MB Cache Size, must be in the latest generation or 1 generation lower than the latest generation; 128GB SSD + 1TB HDD; 4Gb RAM; 14" FHD; with USB to LAN adapter if laptop does NOT have any LAN port; nstalled with atleast Windows 10 to be compatible with the BSU Enrollment software , Office Suit: Not counterfeit, has atleast a presentation, word processor, and spreadsheet software, has capability to run on the latest smart phones and tablets with authentic disk; with accessories: optical mouse, bag, USB or DVD recovery disk; make/brand of must have existed in the market with good records in the past 7 years	1	40,000.00	40,000.00
6	Unit	LAPTOP with the MINIMUM specifications: processor: 4 cores 8 Threads, must be in the latest generation or 1 generation lower than the latest generation; 480GB SSD + 1TB HDD; 16Gb RAM; 15.6" FHD; with USB to LAN adapter if laptop does NOT have any LAN port; Installed with atleast Windows 10 to be compatible with the BSU Enrollment software , Office Suit: Not counterfeit, has atleast a presentation, word processor, and spreadsheet software, has capability to run on the latest smart phones and tablets with authentic disk; with accessories: optical mouse, bag, USB or DVD recovery disk; make/brand of must have existed in the market with good records in the past 7 years	2	60,000.00	120,000.00
7	Unit	with the MINIMUM specifications: Smart TV, 55" full HD with wall bracket wireless keyboard,mouse,pointer,speaker; make/brand of must have existed in the market with good records in the past 7 years	1	50,000.00	50,000.00
8	Unit	complete set of ID card production system with software, full HD ID camera, capturing pad with baterry-free pen: five years warranty on card printer lifetime warranty on print head; lifetime free service warranty; 2021 model; free installation and training on the complete ID card production system; free usage of card printer while card printer is on repair; free ID card layouting	1	150,000.00	150,000.00
9		PRINTER with the MINIMUM specifications: type: Print, Scan, Copy, Fax with ADF print technology: OEM CIS bi-directional printing connectivity: Wi-Fi / Wi-Fi direct and ethernet; maximum print resolution: 4800 x 2400 dpi (with variable-sized droplet technology); print speed:(black / colour): approx. 32 ipm / 22ipm; 2-sided printing upto A3; included: One full set of ink bottles; Warranty of 2 years or 80,000 prints, whichever comes first	1	50,000.00	50,000.00
10	Unit	PRINTER with the MINIMUM specifications: print technology: OEM CIS / on-demand inkjet (piezoelectric); connectivity: atleast Wi-Fi / Wi-Fi Direct and ethernet; maximum print resolution: high printing resolution of 5760x1400 dpi; scan speed (flatbed / ADF (simplex)): 200dpi, black: 12 sec / 4.5 ipm; 200dpi, colour: 29 sec / 4.5 ipm; fast print speeds up to 10ipm for black and 5.0ipm for colour; includes: one full set of ink bottles	2	15,000.00	30,000.00
11	Unit	LAPTOP with the MINIMUM specifications: Processor: 2 cores 4 Threads 4MB Cache, must be in the latest generation or 1 generation lower than the latest generation; 4Gb RAM; 256 GB SSD; mouse, laptop bag; with USB to LAN adapter if laptop does NOT have any LAN port; Installed with atleast Windows 10 to be compatible with the BSU Enrollment software with authentic disk, Office Suite that has atleast: word processor, spreadsheet, presentation. and has the capability to run on the lastest smart phones and tablets; with USB or DVD recovery disk; make/brand of must have existed in the market with good records in the past 7 years	3	35,000.00	105,000.00

Item	Unit	Item Description	QTY	Unit Cost	Total Cost
12	Unit	ALL-IN-ONE DESKTOP COMPUTER, with the MINIMUM specifications: Widescreen LCD Touchscreen Monitor, atleast 27 inches display, atleast 4 cores and 8 threads and must be 1 generation lower that the latest generation, atleast 8GB DDR4, atleast 2TB SATA +240GB SSD, wireless mouse and keyboards, atleast licensed windows 10 home to be compatible with the BSU's enrollment system and with recovery disk, atleast 2 HDMI port, atleast 1 VGA port, atleast 4 USB 3.0 port	3	50,000.00	150,000.00
13	Set	Desktop computers with the MINIMUM Specifications 1. System Unit: Processor: 4 cores 4 Threads, must be in the latest generation or 1 generation lower than the latest generation; Motherboard: sealed capacitors with SLV; 4GB RAM; 500GB SSD;500W true rated PSU ; ATX casing with cable management; 2. Monitor: Monitor 18.5"IPS/ LED; 3. installed with atleast Windows 10 to be compatible with the BSU Enrollment software with authentic disk , Office Suite Not couterfeit; that has atleast: word processor, spreadsheet, presentation. and has the capability to run on the lastest smart phones and tablets with authentic disk; USB optical mouse and keyboard (soft touch keys); 500w AVR; all items indicated make/brand of must have existed in the market with good records in the past 7 years;	1	35,000.00	35,000.00
14	Unit	CELLULAR PHONE: with the MINIMUM specifications: smart phone, 128GB storage, 8GB RAM, 4, 000 or higher battery, 48MP+2MP main camera, 16MP front	1	15,500.00	15,500.00
15	pc	LCD Projector, with the MINIMUM specifications: 5000 Lumens, resulotion WUXGA (1920X1200)	1	25,000.00	25,000.00
16	set	Desktop: with the MINIMUM specifications: 1. System unit: Processor: 4 cores 4 Threads, must be in the latest generation or 1 generation lower than the latest generation; Motherboard: sealed capacitors with SLV; 8GB RAM; 240Gb SSD + 1Tb HDD; 500W true rated PSU; ATX casing with cable management; VRAM: 4GB; 2. Monitor: 23" LED/IPS; 3. Accesories and applications: installed with atleast Windows 10 to be compatible with the BSU Enrollment software with authentic disk; Office Suite: Office Suite that has atleast: word processor, spreadsheet, presentation. and has the capability to run on the lastest smart phones and tablets; with accessories USB optical mouse and keyboard (soft touch keys); 500w AVR; (USB powered speaker); all items indicated make/brand of must have existed in the market with good records in the past 7 years;Office: FOSS	1	40,000.00	40,000.00
17	Unit	WEBCAM: with the MINIMUM specifications: Full HD, at least 30 fpds, glass lens, omni-directional built-in microphone, at least 15 megapixels still capture, with built-in pan, tilt and zoom controls.	2	2,500.00	5,000.00
18	Unit	MONITOR: with the MINIMUM specifications: 24" LED monitor with HDMI ports make/brand of must have existed with good records in the market with good records in the past 7 years	1	10,000.00	10,000.00
19	Kit	MS Office home and student license software with kit	1	7,500.00	7,500.00
20	Kit	Windows 10 home license software with kit	1	7,100.00	7,100.00
		SUB TOTAL	**IGI**		**1,510,100.00**

B. IT Equipment and Supplies under GAA

Item	Unit	Item Description	QTY	Unit Cost	Total Cost
1	Unit	Full HD LED Monitor Features: -Integrated Full HD webcam, mic array and stereo speakers -23.8-inch Full HD (1920X1080) Frameless IPS panel with wide viewing angles -Extensive connectivity with Display Port, HDMI, D - sub, Audio in, Earphone jack for the most flexibility -Flicker-free and Low Blue Lught technologies to ensure a comfortable viewing experience -Space saving with VESA-mountable design	8	14,999.00	119,992.00
2	Pcs	Webcam, for Windows PC, 1080p	36	575.00	20,700.00
3	pcs	Wireless Router, with the MINIMUM specifications ARM 32bit Architecture, Quad Core CPU, RouterOS L4, 256MB RAM, 128MB NAND storage, IPsec hardware acceleration, 300Mbit/s Wireless 2.4GHz Max data rate, Dual 2.4GHz wireless chains, 802.11b/g/n, 3dBi Antenna gain for 2.4GHz, Wi-Fi 4 wireless 2.4GHz generation, Dual 5GHz wireless chains, 802.11a/n/ac, 5.5dBi Antenna gain for 5GHz, Wi-Fi 5 wireless 5GHz generation, AC1200, 5x Gigabit Ethernet ports, Passive Poe-out on Ether5 port at 0.5A Max total out, 1x USB type A port, 12-28V DC jack Input Voltage, 30W max power consumption, Passive cooling, Passive PoE In, 18-28V PoE in Input Voltage, CE/FCC/IC/EAC/ROHS Certifications, IP20, 24V/1.5A power adapter, Base leg, wall mount set, HGO indoor antenna kit. WARRANTY: 12-month warranty on materials and workmanship under normal use and service by the manufacturer, except in case of damage caused by mechanical, electrical or other accidental or intended damages caused by improper use or due to wind, rain, fire or other acts of nature. On-call/next-business day support must be provided by local supplier/dealer.	7	8,625.00	60,375.00
4	set	DESKTOP COMPUTER SET – with these MINIMUM specifications requirements: 1. System unit: at least 2 cores 4 Threads (6M cache, up to 3.90Ghz), must be in the latest generation or 1 generation lower than the latest generation; Motherboard: DDR4 RAM support, sealed capacitors with SLV; 16GbRAM (8Gb x 2pcs); 240Gb SSD + 1Tb HDD; 500W true rated PSU; ATX casing with cable management; 2. Monitor: 24" LED/IPS; 3. Accessories and applications: installed with at least licensed Windows 10 to be compatible with the BSU Enrollment software, and licensed office applications (word processor, spreadsheet, presentation) with kits; with accessories USB optical mouse and keyboard (soft touch keys); AVR; (USB powered speaker); all items indicated make/brand of must have existed in the market with good records in the past 7 years;	4	50,000.00	200,000.00
5	unit	14" LAPTOP with accessories – with these MINIMUM specifications requirements: processor: at least 2 cores 4 Threads (6M cache, up to 3.90Ghz), must be in the latest generation or 1 generation lower than the latest generation; 240GB SSD + 1TB HDD; 16Gb RAM; installed with at least licensed Windows 10 to be compatible with the BSU Enrollment software and licensed office applications (word processor, spreadsheet, presentation); with accessories: optical mouse, bag, USB or DVD recovery disk; make/brand of must have existed in the market with good records in the past 7 years	5	50,000.00	250,000.00

Item	Unit	Item Description	QTY	Unit Cost	Total Cost
6	unit	LCD Projector, Equally high White and Colour Light Output of 3,600 lumens; WXGA resolution; High contrast ratio of 15,000:1; Horizontal keystone slider; 10,000 hours lamp life in eco-mode; Horizontal Keystone AdjusterAuto Power On; Auto Source Search; Split ScreenMulti-PC Projection Moderator Function; Longer Lamp Life; High Contrast Ratio USB Interface: USB Type A: 1 (for USB Memory, USB Document Camera, for Wireless LAN Unit, Firmware Update) USB Type B: 1 (for USB Display, Mouse, K/B, Control, Firmware Update) Analog Input: D-Sub 15pin: 1 (Blue molding) Composite: RCA x 1 (Yellow) Digital Input: HDMI: 1 (MHL supported) Audio Input: 2 RCA (White / Red): 1	2	40,000.00	80,000.00
7	unit	LAPTOP Condition: Brand New with the minimum specifications: Processor Specs: ARM architecture with atleast 8 Cores HDD Specs: atleast 512 GB SSD Memory Specs: atleast 8GB GPU: atleast 8 core Screen: Minimum of 13 inches I/O with at least the ff: Thunderbolt ports, USB port/s Accessories: Power Adapter with charging cable SOFTWARE REQUIREMENTS Operating System: Must be able to run Final Cut Pro	1	95,000.00	95,000.00
8	set	PROFESSIONAL CAMERA RECORDER AND ACCESSORIES with these minimum specification requirements: (high image quality: built-in LED video light, 1/3.1-inch (type) BSI sensor, optical 20x zoom, 5-axis HYBRID O.I.S. + intelligent AF, 29.5mm wide-angle; recording quality: super slow recording, pre-recording, still picture recording, rec check, last scene delete; excellent operability: versatile professional functions, dual SD card slot, histogram DRS, various WB mode, level gauge, various recording mode) battery pack, battery charger, XLR microphone, 128Gb SDXC memory card, camera bag; Professional Video Camcorder Tripod with Fluid Dray Head Quick Release Plate 15kg Payload with Carry Bag)	2	140,000.00	280,000.00
9	set	4K HANDYCAMERA AND ACCESSORIES with these minimum specification requirements: (sensor type:1/2.5 type (0.28 in [7.20 mm]) back-illuminated, effectve video:approx. 8.29 Megapixels (16:9)15, optical zoom:20x, clear image zoom:4K: 30x, HD: 40x16; screen type:7.5 cm (3.0 type) Clear Photo LCD display (460,800 dots) Wide (16:9), bag, battery, battery charger; Professional Video Camcorder Tripod with Fluid Dray Head Quick Release Plate 15kg Payload with Carry Bag)	1	80,000.00	80,000.00
10	set	DRONE WITH 1 REMOTE CONTROL (standard without screen), 2 intelligent flight battery, 1 charger, 1 power cable, 4 pairs propellers, 1 gimbal clamp,1 micro USB Cable, 1 carrying case and 1 32gb micro SD Card Aircraft: Weight (Battery & Propellers Included)- 1375 g; Diagonal Size (Propellers Excluded)- 350 mm; Max Service Ceiling Above Sea Level- 19685 ft (6000 m); Max Wind Speed Resistance- 10 m/s; Max Flight Time- Approx. 30 minutes; Operating Temperature Range- 32° to 104°F (0° to 40°C); Satellite Positioning Systems- GPS/GLONASS Gimbal: Stabilization- 3-axis (pitch, roll, yaw) Vision System: Forward Vision System, Backward Vision System, and Downward Vision System; Obstacle Sensory Range - 2-98 ft (0.7-30 m); Infrared Sensing System: Obstacle Sensory Range- 0.6-23 feet (0.2-7 m) Camera: Sensor- 1-inch CMOS and Effective pixels: 20M; Lens- FOV 84° 8.8 mm/24 mm (35 mm format equivalent) f/2.8-f/11 auto focus at 1 m-∞; ISO Range- Video 100-3200 (Auto) and 100-6400 (Manual), Photo 100-3200 (Auto) and 100-12800 (Manual); Mechanical Shutter Speed- 8-1/2000 s; Image Size- 3:2 Aspect Ratio: 5472×3648, 4:3 Aspect Ratio: 4864×3648 and 16:9 Aspect Ratio: 5472×3078; Video Recording Modes- H.265 and H.264 with Max Video Bitrate of 100 Mbps; Photo in JPEG, DNG (RAW), JPEG + DNG format and Video in MP4/MOV (AVC/H.264; HEVC/H.265) format; Supported SD Cards- microSD with Max Capacity of 128 GB and Write speed of ≥15MB/s, Class 10 or UHS-1 rating required Remote Controller: Operating Frequency- 2.400-2.483 GHz and 5.725-5.850 GHz, Max Transmission Distance- 2.400-2.483 GHz, 5.725-5.850 GHz (Unobstructed, free of interference); Battery- 6000 mAh LiPo 2S; Operating Current/Voltage- 1.2 A@7.4 V; Video Output Port- HDMI and USB; Mobile Device Holder- Built-in display device (5.5-inch screen, 1920×1080, 1000 cd/m2, Android system, 4 GB RAM＋16 GB ROM) for Tablets and smart phones Charger: Voltage- 17.4 V and Rated Power- 100 W Intelligent Flight Battery: Capacity- 5870 mAh; Voltage- 15.2 V; Battery Type- LiPo 4S; Energy- 89.2 Wh; Net Weight- 468 g; Charging Temperature Range- 41° to 104°F (5° to 40°C); Max Charging Power- 60 W	1	105,000.00	105,000.00
11	set	CAMCORDER FOR VIRTUAL CONFERENCE AND VIDEO RECORDING with Inclusion: Rechargeable Battery Pack (NP-FV70/NP-FV70A) (1), AC Adapter (1), Power Cord (1), Operating Guide (1), HDMI (micro) Cable (1), micro USB Cable (1) Specifications: SCREEN TYPE:7.5 cm Xtra Fine LCD display (921x 600 dots) Wide (16:9), TOUCH PANEL, ANGLE ADJUSTMENT- Opening angle: max. 90 °, turning angle: max. 270 °. LENS: LENS FILTER DIAMETER- 55 mm; LENS COVER- Auto; APERTURE- F 2.0-3.8; FOCAL DISTANCE- f = 4.4-88 mm; FOCAL LENGTH (35 MM EQUIVALENT) (VIDEO)- f=26.8-536.0 mm (16:9); MINIMUM FOCUS DISTANCE- approx. 1 cm (Wide), approx. 80 cm (Tele), approx. 13/32 in (Wide), approx. 31 1/2 in (Tele); IRIS DIAPHRAGM- 6 blades Focus: FOCUS TYPE-Contrast AF; FOCUS MODE- Auto/Manual (Touch Panel/Ring); FOCUS AREA- Full Range Focus/Spot Focus; FAST INTELLIGENT AF- Yes; LOCK-ON AF-Yes8; MANUAL FOCUS ASSIST- Magnified display for precise manual focus, Peaking Display Storage Media: MEDIA TYPE- internal Flash Memory, XAVC S 4K (100 Mbps): SDHC Memory Card (4 GB or over, UHS-I U3 or Higher)/SDXC Memory Card (UHS-I U3 or Higher); INTERNAL MEDIA- Flash Memory 64 GB Audio: MICROPHONE- Built-in Zoom Microphone; SPEAKER- Monaural Speaker Advanced Feature: HIGH SPEED REC at 120p/1920 x 1080, 100/60 Mbps; SCENE SELECTION- Auto/Night Scene/Sunrise & Sunset/Fireworks/Landscape/Portrait/Spotlight/Beach/Snow	1	80,000.00	80,000.00

Item	Unit	Item Description	QTY	Unit Cost	Total Cost
		Projector: LIGHT OUTPUT- Up to 50 lumens; RESOLUTION OUTPUT- 854 x 480; PROJECTED IMAGE SIZE- 10 type – 200 type; ENDURANCE (BATTERY LIFE)- approx.2h25m (Supplied Battery); PROJECTOR INPUT- Yes (HDMI micro)21; with KEYSTONE ADJUSTMENT Wireless Function: Wi-Fi Compatible, IEEE 802.11b/g/n (2.4 GHz band; NFC forum Type Tag compatible; compatible for LIVE STREAMING and MULTI CAMERA CONTROL Terminal / Shoe: Multi Interface Shoe; HDMI TERMINAL of HDMI micro; PROJECTOR INPUT-HDMI micro; MULTI/MICRO USB TERMINAL; REMOTE TERMINAL- integrated into Multi/Micro USB Terminal; STD OUTPUT- Composite Video Out (AV CABLE); MICROPHONE INPUT- Stereo minijack; HEADPHONE JACK- Stereo minijack; MEMORY CARD SLOT- Memory Stick PRO Duo and SD/SDHC/SDXC compatible; DC IN Power: BATTERY TYPE- Info LITHIUM with AccuPower Meter System (V Series); POWER CONSUMPTION (LCD)- 4K: 4.9 W27; POWER CONSUMPTION (VIEWFINDER)- 4K: 4.9 W27; POWER REQUIREMENTS- 6.8 V/7.3 V (battery pack), 8.4 V (AC Adapter); CHARGE ON CAMCORDER (CHARGING TIME WITH SUPPLIED BATTERY)- Yes (approx. 3h 25min); USB CHARGING- DC 5 V 1500 mAh			
12	unit	SMART TV, 65" 3840 x 2160p, RF antenna, LAN port, USB in, Optical Digital Audio out, HDMI 2.0, Wifi built-in, Bluetooth, webOS 6.0, Mobile Connection, AI Sound, Picture Mode, Dynamic Color, AI Game Sound, HEVC 4K 60p codec, Power Requirement: AC 100-240V 50/60Hz Includes 1 year warranty, with bracket/wall mount that can stably support the tv, power cable, remote Controller, batteries, and user manual	1	80,000.00	**80,000.00**
		SUB TOTAL	**GAA**		**1,451,067.00**
		GRAND TOTAL	**GAA + IGI**		**2,961,167.00**

II. Procurement of Photocopier

Item	Unit	Item Description	Qnty	Unit Cost	Total Cost
1	Unit	Photocopier with the MINIMUM specifications Prints up to 86,000 pages in the black or 84,000 pages in colour with a speed of 35ppm draft printing , duplex printing, 1 pass duples scanning, usb port versatile paper handling capabilities network connectivity and stand alone capability (ethernet,wifi,RJ-11 fax WiFi Direct, NFC and USB 3.0	1	300,000.00	**300,000.00**
		GRAND TOTAL		300,000.00	