



## PURCHASE ORDER

Supplier:	ANTS TECHNOLOGIES INC.	P.O No.:	2022-08-SP-231
Address:	039 Camp Dangwa, Alapang, La Trinidad, Benguet	Date:	AUG 05 2022
Tin:		Mode of Procurement:	PUBLIC BIDDING
		PR No.:	2022-02-214



Gentlemen:

Please furnish this Office the following articles subject to the terms and conditions contained herein:

Place of Delivery:	BSU ULIS	Delivery Term:	FOB DESTINATION
Date of Delivery:	WITHIN 50 CALENDAR DAYS UPON RECEIPT OF NTP/P.O	Payment Term:	within 30 days after complete delivery

Item no.	Stock/Property No.	Unit	ITEM	Quantity	Unit Cost	Amount	END-USER
		lot	Supply, Delivery, Installation, Testing and Commisioning of Structured Cabling at Library Building of La Trinidad Campus	1		803,198.47	ULIS
			FIBER-OPTIC CABLING LAY-OUT (as per attached diagram)				
			COPPER CABLING LAYOUT IN MAIN BUILDING, ANNEX BUILDING AND BASEMENT, MAIN BUILDING (as per attached diagram)				
			Category 6 U/UTP Installation Cable Part No.20614111x Ver. 2201				
			Fiber Optic Multi-Mode Pigtail: Product Specification: Part No. 22uxy3zzz Ver. 1701				
			19" Fiber Optic Patch Panel, Main Body, Black & Accessories, Product Specification: Part No. 241100002 Ver. 1710				
			Fiber Optic Patch Cord Multimide (MM), Product Specification: Part No. 21vwxyzzz Ver.1701				
			Cat.6 90° Unshielded Keystone Jack, Product Specification: Part No. 1061110x0 Ver. 1901				
			Cat. 6 Unshielded Patch Panel 1U/24 ports, Product Specification: Part No. 176122412 Ver. 1702				
			Fiber Optic Access Building Cable with glass yarn strenght member, Uni-tube, Product Specification: Part No. 2631xyzzz Ver. 1701				
			Fiber Optic Access Building Cable with glass yarn strenght member, Uni-tube, Product Specification: Part No. 2631xyzzz Ver. 1701				
			<b>DATA CABINETS</b>				
			Model No. MS2.6642.9001, 600*600 42U Standard Specification: ANSI/EIA RS-310-D; IEC60297-3-100; DIN41494:PART1; DIN4194:PART7; GB/T3047.2-92:ETSI; with Prorack Power Distribution Unit, 8 slot universal sockets				
			Vertical Cable Management System (for 2 and 4-post open frame rack) Part No. 628xx1142 Ver.1701 with Prorack Power Distribution Unit, 8 slot universal sockets				

Item no.	Stock/Property No.	Unit	ITEM	Quantity	Unit Cost	Amount	END-USER
			<b>NETWORK EQUIPMENT</b>				
		unit	<b>Mikrotik Cloud Router Switch CRS309-1G-8S+IN</b> , Dual core 98DX8208 800 MHz CPU; 512 MB RAM; 16MB flash storage; -40°C to 70°C tested ambient temperature; License level: 5; RS232 serial port; 10G SFP+ ports: 8; 12-57V DC jack input Voltage; 802.3a/fat PoE in; with power adapter 24 V 1.2 A, screw kit and rack ears; 1 year equipment manufacturer warranty	1			
		unit	<b>Mikrotik Cloud Router Switch CRS326-24G-2S+RM</b> , 24 port gigabit ethernet with two SFP+ port, CPU: 98DX3236A1800 MHz; RAM: 512 MB; Storage type: Flash, 16 MB; 10/100/1000 Ethernet ports;24; SFP + cages: 2; Operating temperature:-40°C to 60°C tested; max power consumption:24 W; Serial port: RJ45; 24 V1.2 A power adapter; rack ears and screw set; 1 year equipment manufacturer warranty	2			
		unit	<b>CAP XL ac</b> : supports 802.3a/f/ at PoE input on the first port and passive PoE output (up to 57V) on the second port; CPU: Quad core IPQ-4018 710 MHz; 128 MB RAM; 16MB Flash Storage; Wireless:2.4 GHz, 5GHz; Supported protocol: 802.11b/g/n, 802.11a/n/ac; Antenna gain: 6dBi,5.5 dBi; Number of chains:2; Operating system: router OS (License level 4); -40°C to +70°C tested Operating temperature; PoE-in: 802.3 a/fat; PoE-out: passive PoE up to 57V;18-57V supported input voltage;24W max power consumption; certification:CE,FCC,IC; with 24 V 1.2 A power adapter, gigabit PoE injector; fastening set and ceiling mount; 1 year equipment manufacturer warranty	3			
		unit	<b>Mikrotik wAP ac,Color: black (RBWAPG-5HacD2HnD-BE)</b> 2x Gigabit ethernet ports; enhanced wireless antenna performance;Router OS IPsec hardware acceleration; CPU: 4 core IPQ-4018 716 MHz; Size of RAM: 128 MB; Storage: 16 MB flash; Wireless: 5GHz 2.4 GHz; Protocols: 802.11a/n/ac, 802.11b/g/n; Chains: Dual-chain; Antenna gain: 2.5dBi; Supported input voltage: 10 V- 57 V (DC jack) 18 V - 57 V (PoE-in); Operating system: RouterOS, License level 4; Max power consumption: 10W; Certification: CE,FCC,IC; included parts: 24 V0.8 A power adapter, PoE injector, desktop stand,wAP mount; 1 year equipment manufacturer warranty	1			
		unit	<b>S+85DLC03D Transceiver</b> : Dual LC UPC connector; 1G/10G Data rate; 300m distance; SFP+ format; Multi Mode; 850nm wavelength; 40°C to 70°C tested ambient temperature	12			
			<b>KEBOS Uninterruptible Power Supply GR11-3KVA Online Double Conversion Rack Mount UPS,</b>				
			<b>TECHNICAL SPECIFICATIONS</b> INPUT:3000VA/2700W Capacity; 220/230/240Vac Nominal voltage; 110-300Vac (160-300 Vac at 100% load   110-300 Vac at 50% load) voltage range; 50/60 Hz (auto-sensing), 40-70Hz frequency range; 0.99 power factor				

Item no.	Stock/Property No.	Unit	ITEM	Quantity	Unit Cost	Amount	END-USER
		unit	<b>OUTPUT:</b> 220/230/240Vac nominal voltage; +/- 1% voltage regulation; 50Hz (47-53Hz) or 60Hz (57-63Hz) (Synchronized range) Frequency; Transfer time: zero; Output Socket: 8 x NEMA 5-15R (Surge Protection & Battery Back-up); Pure Sinewave waveform <b>BATTERY:</b> 6 X 12V Ah, maintenance-free, sealed lead acid, leak proof; 4 hours to 90% capacity <b>SYSTEM FEATURES:</b> AC mode: 90%, Battery Mode: 88% ; 3:1 of T.H.D @ Linear Load; <3% of T.H.D (linear load), 6% of T.H.D (non-linear load) Harmonic Distortion; Discharge, overcharge, overload, short circuit & surge protection; Battery mode: sounding every 4 seconds, Low battery: sounding every second; Overload: Sounding every 0.5 second, fault: continuously sounding, Bypass mode: sounding every 10 seconds <b>ENVIRONMENTAL:</b> 0 to 40 Degrees Celsius, 0 to 90% (non-condensing), less than 40dB noise level <b>PHYSICAL:</b> 630D x 438W x 88H (mm) dimension, 29.30 kg weight <b>STANDARDS:</b> IEC/EN62040-1, IEC/EN60950-1 safety, IEC/EN62040-2, IEC61000-4-2, IEC61000-4-4, IEC61000-4-5, IEC61000-4-6, IEC61000-4-8 <b>KEBOS GH11 1 KVA (L)</b> <b>TECHNICAL SPECIFICATIONS:</b> Single phase with ground; 1000VA/900W capacity, INPUT: 220/230/240 VAC nominal voltage; 110-300 VAC (Based on load at 50%) 160-280 VAC (Based on load at 100%); 40Hz - 7Hz frequency range; 0.99 nominal voltage (100% load) <b>OUTPUT:</b> 200/208/220/230/240Vac output voltage; ±1% voltage regulation; 57-63Hz (Synchronized range) Frequency; 50Hz or 60Hz ± 0.1 Hz (Batt. mode) Frequency; Current Crest Ratio: 4-6 hous up to 90% capacity; ≤ 3% THD (linear load), ≤ 6% THD (Non-linear load); Transfer time: zero AC to DC, 4ms (Typical) Inverter bypass; Pure Sinewave waveform <b>EFFICIENCY:</b> 88% AC mode, 83% Battery mode	1			
		unit		2			
<b>TOTAL AMOUNT:</b>						803,198.47	
(Total Amount in Words)				EIGHT HUNDRED THREE THOUSAND ONE HUNDRED NINETY-EIGHT AND FORTY-SEVEN CENTAVOS PESOS			
In case of failure to make the full delivery within time specified above, a penalty of one-tenth (1/10) of one percent for every day of delay shall be imposed on the undelivered item/s.  Conforme:  <b>MARGALYN C. OLISM</b> Signature over Printed Name of Supplier <b>SEPTEMBER 2, 2022</b> Date							
Fund Cluster: <u>CHEP 1D16</u> Funds Available: _____  <b>IMELDA B. GALINATO</b> Accountant IV  ORS/BURS No.: <u>2022-08-084</u> Date of the ORS/BURS: _____ Amount: <u>803,198.47</u>  <b>FELIPE SALANG COMILA</b> University President							