



PURCHASE REQUEST

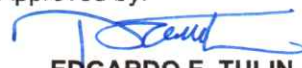
Dept./Office: **CVM**Section/End-User: **Santiago T. Peña Jr.**Funding Source: **Trust Fund**PR #: **TF-2021-09-00822**Date: **09-06-2021**Category: **IT Supplies and Equipment**

Project Title/Code: **20201050-1.93 PCAARRD/ Semen
 Evaluation of the Philippine Native Boar**

Item #	Item Description	Unit	Qty	Unit Cost	PAR/ICS	Total Cost
1	External Solid State Drive, (Portable, 500GB), USB 3.1	pc	1	6,000.00	SANTIAGO T. PEÑA JR.	6,000.00
Specification: - Storage Capacity: 500 GB or higher - Connection Interface: 1 x USB 3.1 (USB Type-C) - Maximum Read Speed: 550 MB/s - Type Solid-State Drive - Form Factor: 2.5" - Cooling System Passive - Environmental Resistance Shock - IP Rating IP55						
2	UPS, 1000 VA	unit	1	3,000.00		3,000.00
Specification: ?1000VA/600W capacity ?Frequency Range: 60 Hz ?Freq. Range (Batt. Mode): 60 Hz ± 1 Hz ?Transfer Time: Typical 4-8 ms ?Waveform (Batt. Mode): Simulated Sine Wave ?Back-up Runtime: 10-15 mins ?Voltage: 220 VAC ?Voltage Range: 162-270 VAC						
3	Wireless Access Point	unit	1	9,900.00	SANTIAGO T. PEÑA JR.	9,900.00
Specification: ?Dimensions 160 x 160 x 32.65 mm (6.30 x 6.30 x 1.29") ?Weight ?With Mounting Kits ?300 g (10.6 oz) ?315 g (11.1 oz) ?Networking Interface (1) 10/100/1000 Ethernet Port ?Buttons Reset ?Power Method 802.3af PoE ?Power Supply UniFi Switch (PoE) ?Power Save Supported						

?Beamforming Supported
 ?Maximum Power Consumption 10.5W
 ?Supported Voltage Range 44 to 57VDC
 ?TX Power
 ?2.4 GHz
 ?5 GHz
 ?23 dBm
 ?26 dBm
 ?MIMO
 ?2.4 GHz
 ?5 GHz
 ?2x2
 ?4x4
 ?Radio Rates
 ?2.4 GHz
 ?5 GHz
 ?300 Mbps
 ?1733 Mbps
 ?Antennas
 ?2.4 GHz
 ?5 GHz
 ?(2) Single-Port, Single-Polarity Antennas, 2.8 dBi each
 ?(2) Single-Port, Dual-Polarity Antennas, 3 dBi each
 ?Wi-Fi Standards 802.11 a/b/g/n/r/k/v/ac/ac-wave2
 ?Wireless Security WEP, WPA-PSK, WPA-Enterprise (WPA/WPA2, TKIP/AES), 802.11w/PMF
 ?BSSID 8 per Radio
 ?Mounting Wall/Ceiling (Kits Included)
 ?Operating Temperature -10 to 70° C (14 to 158° F)
 ?Operating Humidity 5 to 95% Noncondensing
 ?Certifications CE, FCC, IC
 ?Advanced Traffic Management
 ?VLAN 802.1Q
 ?Advanced QoS Per-User Rate Limiting
 ?Guest Traffic Isolation Supported
 ?WMM Voice, Video, Best Effort, and Background
 ?Concurrent Clients 200+
 ?Supported Data Rates (Mbps)
 ?Standard Data Rates
 ?802.11a 6, 9, 12, 18, 24, 36, 48, 54 Mbps
 ?802.11n 6.5 Mbps to 300 Mbps (MCS0 - MCS15, HT 20/40)
 ?802.11ac 6.5 Mbps to 1.7 Gbps (MCS0 - MCS9 NSS1/2/3/4, VHT 20/40/80)
 ?58 Mbps to 1.7 Gbps (MCS0 - MCS9 NSS1/2, VHT 160)
 ?802.11b 1, 2, 5.5, 11 Mbps
 ?802.11g 6, 9, 12, 18, 24, 36, 48, 54 Mbps
 ?Should be compatible with existing UniFi Controller

	TOTAL					18,900.00
Purpose: for PCAARRD-CVM SemenLAB Use						

Checked by:  NORMAN O. VILLAS		Funds Available:  NICK FREDDY R. BELLO	
TWG - IT Supplies and Equipment		(OIC) HEAD, ACCOUNTING OFFICE 	
Signature:	Requested by:  SANTIAGO T. PEÑA JR.	Noted by:  SANTIAGO T. PEÑA JR.	Approved by:  EDGARDO E. TULIN
Printed Name:	SANTIAGO T. PEÑA JR.	SANTIAGO T. PEÑA JR.	EDGARDO E. TULIN
Designation:	END USER	UNIT HEAD, PROJECT LEADER	 PRESIDENT, VSU 