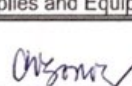
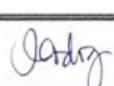
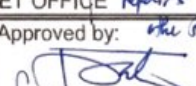




Item #	Item Description	Unit	Qty	Unit Cost	PAR/ICS	Total Cost
1	CCTV IP Camera	piece	5	3,192.00		15,960.00
Specification: ?2MP WDR, with Built-in Mic ?12v, DC ?30m IR range, ?1920x1080 Max. Resolution ?Dome Type ?2.8/4mm fixed lens						
2	Unifi 500W PoE+ Switch	unit	1	35,000.00		35,000.00
Specification: ?24 ports PoE+ Switch 500W ?Network Interfaces: (24) 10/100/1000 Mbps RJ45 Ethernet Ports (2) 1 Gbps SFP Ethernet Ports ?Management Interface: (1) RJ45 Serial Port Out-of-Band, Ethernet In-Band ?Total Non-Blocking Throughput: 26 Gbps ?Switching Capacity: 52 Gbps ?Forwarding Rate: 38.69 Mpps ?MAC Address Table: 16384 ?Maximum Aggregations: 6 ?Monitoring Sessions 1; Maximum VLANs 255 ?Power Method 100-240VAC/50-60 Hz, Universal Input ?Power Supply AC/DC, Internal, 500W DC ?Max. Power Consumption: Including PoE ?Output: 500W Excluding PoE Output: 30W; ?ESD/EMP Protection Air: ± 24 kV, Contact: ± 24 kV ?Shock and Vibration ETSI300-019-1.4 Standard ?Operating Temperature -5 to 40° C (23 to 104° F) ?Operating Humidity 5 to 95% Noncondensing ?Certifications CE, FCC, IC ?PoE Interfaces PoE+ IEEE 802.3af/at (Pins 1, 2+; 3, 6-) 24VDC Passive PoE (Pins 4, 5+; 7, 8-) ?Max. PoE+ Wattage per Port by PSE 34.2W ?Voltage Range 802.3at Mode 50-57V ?Max. Passive PoE Wattage per Port 17W						

?24V Passive PoE Voltage Range 20-27V ?Should be compatible with existing Unifi Controller of the University ?1-year warranty						
3	UPS, 1200 VA, with Multifunction LCD status and control console	unit	1	11,500.00		11,500.00
Specification: - Max Configurable Power (Watts): 720 Watts / 1.2kVA - Output Frequency (sync to mains): 50/60 Hz +/- 1 Hz Unsynchronised, 50/60 Hz +/- 3 Hz Sync to mains - Topology: Line interactive - Waveform type: Stepped approximation to a sinewave - Transfer Time: 10 ms typical - 12 ms maximum - Input frequency: 50/60 Hz +/- 3 Hz Auto-sensing - Input voltage range for main operations: 156 - 300 Adjustable, 176 - 294V - Battery type: Lead-acid battery - Typical recharge time: 8hour(s) - Expected Battery Life (years): 3 - 5 - Battery Charge Power (Watts): 23 Watts - Interface Port(s): Optional Simple Signalling RS232 cable, USB - Control panel: Multifunction LCD status and control console - Surge energy rating: 441Joules - Data Line Protection: RJ11 modem/fax/DSL protection (two wire single line), RJ45 10/100 Base-T Ethernet protection - Approvals: GOST - RoHS: Compliant						
TOTAL						62,460.00
Purpose: upgrading /renovation of chemical facility						
Checked by:  MICHAEL ANTHONY JAY B. REGIS TWG - IT Supplies and Equipment				Funds Available:  ALICIA M. FLORES HEAD, BUDGET OFFICE <i>npw/s</i>		
Signature:	Requested by:	Noted by:	Approved by:			
	 CYNTHIA DOLORES V. GODOY END USER	 EDGARDO E. TULIN UNIT HEAD, PROJECT LEADER	 EDGARDO E. TULIN PRESIDENT, VSU <i>pic</i>			