



Republic of the Philippines
VISAYAS STATE UNIVERSITY
 Visca, Baybay City, Leyte

PURCHASE REQUEST

PPMP No. : **PPMP-2024-091724-0429**PR No.: **TF-2024-10-01770**Date: **10-01-2024**Dept./Office: **RERC**Category: **IT Supplies and Equipment**Duration: **2024-09-13**Section/End-User: **Chizka Mae M. Estallo**to
2025-09-16Funding Source: **Trust Fund**Project Title/Code: **TF- 20201050-9**

Item #	Item Description	Unit	Qty	Unit Cost	PAR/ICS	Total Cost
1	Drone (4k video resolution with at least 512 gb memory)	unit	3	30,000.00		90,000.00

Specification:

- **Product Type:** Drone
- **Category:** Vehicles - Drones
- **Included Items:**
 - Screwdriver
 - Remote controller
 - 6 screws
 - 1 spare set of 4 propellers
 - Intelligent flight battery
 - USB-C cable
 - RC cable (Lightning connector)
 - RC cable (USB-C connector)
 - RC cable (micro-USB connector)
 - Gimbal protector
 - Pair of spare control sticks
- **Remote Control:** Yes, 2.4 GHz, max operating distance: 6 miles
- **Power Source:** Battery
- **Max Speed:** 52.5 feet per second
- **Supported Flash Memory Cards:** microSD Class 10 or UHS-I
- **RC Vehicle Specifications:**
 - Take-Off Weight: 0.549 lbs
 - Vertical Hovering Accuracy: +/- 0.33 feet
 - Horizontal Hovering Accuracy: +/- 0.98 feet
 - Max Angular Velocity: 130° per second
 - Max Tilt Angle: 40°
 - Navigation: GPS/GLONASS/GALILEO receiver
 - Interface: USB
- **Digital Camera:**
 - Sensor Resolution: 12 Megapixel
 - Image Sensor Type: CMOS
 - Capture Formats: MP4 (MPEG-4 AVC/H.264)

- Video Recorder Resolutions: 3840 x 2160 (4K) at 30 fps
- Still Image Formats: JPEG, RAW, DNG
- Still Image Resolutions: 4000 x 3000
- Max View Angle: 93 degrees

• **Battery:**

- Form Factor: 2S
- Technology: Lithium polymer
- Voltage: 7.7 V
- Capacity: 2250 mAh
- Run Time: Up to 31 minutes

• **Miscellaneous:**

- Color: Gray
- Supported OS: Android 6.0 (Marshmallow) or later, Apple iOS 10 or later

• **Dimensions & Weight:**

- Folded: 3.2 in x 5.4 in x 2.3 in

• **Environmental Parameters:**

- Min Operating Temperature: 32 °F
- Max Operating Temperature: 104 °F

2	helioscope software	license	1	10,685.18		10,685.18
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Specification:

Features:

- **Site Modeling and Design:** Tools to model and design solar projects
- **Multiple Designs per Project:** Ability to create various designs within a single project
- **Bankable Simulations:** Accurate simulations that can be used for financial decision-making
- **CAD Export:** Export designs in CAD format
- **Single-Line Diagrams:** Generation of single-line electrical diagrams
- **50,000 Component Library:** Access to a large library of solar components
- **Global Weather Coverage:** Weather data coverage from locations around the world
- **Shade Reports:** Detailed reports analyzing shading impact on solar designs
- **Basic Support:** Access to standard support services
- **Design Capacity:** Supports designs up to 1.25 MW (DC)

3	Laser Printer Color (Print, Copy, Scan), with 5" LCD, Ethernet and WiFi Capable	unit	1	25,000.00		25,000.00
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Specification:

Printing Specifications:

Printing Method:

- Colour Laser Beam Printing

Print Speed:

- A4: 18 ppm (Mono), 18 ppm (Colour)
- Letter: 18 ppm (Mono), 18 ppm (Colour)

Print Resolution:

- Standard: 600 x 600 dpi
- With Image Refinement Technology: 1,200 (equiv.) x 1,200 dpi (equiv.)

Warm-up Time:

- From Power On: 13 sec or less

First Print Out Time (FPOT):

- A4: Approx. 10.4 sec (Mono), 10.5 sec (Colour)
- Letter: Approx. 10.3 sec (Mono), 10.3 sec (Colour)

Recovery Time:

- From Sleep Mode: 6.1 sec or less

Print Language:

- UFR II

Duplex Printing:

- Auto Duplex Print

Paper Handling:

Standard Cassette:

- Capacity: 250 sheets (80gsm)
- Supported Sizes: A4, B5, A5, Letter, Legal, Statement, Executive, Government Letter, Government Legal, Foolscap, Indian Legal, Custom (Min. 76.2 x 127.0 mm to Max. 216.0 x 355.6 mm)

Multi-Purpose Tray:

- Capacity: 1 sheet
- Supported Sizes: A4, B5, A5, Letter, Legal, Statement, Executive, Government Letter, Government Legal, Foolscap, Indian Legal, Index Card, Envelope (COM10, Monarch, C5, DLCustom)

Maximum Paper Input Capacity:

- 251 sheets

Paper Output Capacity:

- 100 sheets

Connectivity:

Wired:

- USB 2.0 High Speed
- 10Base-T/100Base-TX/1000Base-T

Wireless:

- Wi-Fi 802.11b/g/n (Infrastructure mode, WPS Easy Setup, Direct Connection)

Network Protocols:

- Print TCP/IP
- Application Services: Bonjour (mDNS), HTTP, HTTPS, POP before SMTP (IPv4, IPv6), DHCP, ARP+PING, Auto IP, WINS (IPv4), DHCPv6 (IPv6)
- Management: IP/Mac address filtering, HTTPS, SNMPv3, IEEE802.1x, IPSEC

Wireless Security:

- WEP 64/128 bit, WPA-PSK (TKIP/AES), WPA2-PSK (AES)

Device Specifications:**Device Memory:**

- 1 GB

LCD Display:

- 5-line LCD

Monthly Duty Cycle:

- 30,000 pages

4	PV System Site Selection Software	license	1	48,308.17		48,308.17
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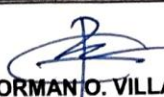
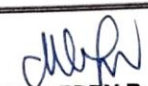
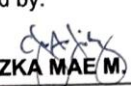


Specification:

- **Power Specification:** Allows users to specify the desired power output or available area for installation.
- **PV Module Selection:** Users can choose from a comprehensive internal database of PV modules.
- **Inverter Selection:** Users can select inverters from the internal database.
- **Array/System Configuration:** The software suggests an optimal array/system configuration for conducting a preliminary simulation.
- **Error Messaging System:**
 - Includes a color-coded warning/error messaging system.
 - Provides alerts for mismatches, issues, or warnings within the design.
 - Notifications are displayed in the corresponding frame/window for easy identification.

5	sketchup software	license	1	23,453.64		23,453.64
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Specification:**SketchUp Software Features (Everything in Go plus):**

- **3D Modelers:**
 - Desktop-based
 - iPad-based
 - Web-based
- **2D Design Documentation:** Create detailed 2D plans and documentation for projects
- **Quick Insights for Design Research:** Tools to gather design insights and perform research quickly
- **Access to Plugins:** Extend functionality with plugins specifically for SketchUp Desktop

TOTAL				197,446.99
Purpose: For Solarsafe Project operation until April 25, 2025.				
Checked by:		Funds Available:		
 NORMAN O. VILLAS TWG - IT Supplies and Equipment		 NICK FREDDY R. BELLO (OIC) HEAD, ACCOUNTING OFFICE		
Signature:	Prepared by:	Noted by:	Approved by:	
Printed Name:	 CHIZKA MAE M. ESTALLO	 ARTURO E. PASA	 PROSE IVY G. YEPES	
Designation:		UNIT HEAD, PROJECT LEADER	PRESIDENT, VSU	