



Republic of the Philippines
CAVITE STATE UNIVERSITY
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NATIONAL COFFEE RESEARCH, DEVELOPMENT AND EXTENSION CENTER

SUPPLY AND DELIVERY OF HYPERSPECTRAL CAMERA FOR THE PCAARRD-FUNDED DEVELOPMENT OF UGV-UAV FOR SOIL NUTRIENT MAPPING OF COFFEE FARMS

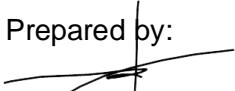
ABC: Php 1,000,000.00

Item No.	Qty./ Unit	Item Description	Specifications	Unit Price (Php)	Total Price (Php)
1	1 unit	Hyperspectral Camera	Weight not more than 1 kg Power Typical: 30 W; Max: 60 W IP Rating IP54 Detection Range 450 m @ 80% reflectivity, 0 kilolux (klx); 190 m @ 10% reflectivity, 100 klx Point Rate Single return: max. 240,000 pts/s; Multiple return: max. 480,000 pts/s System Accuracy (RMS 1σ)1 Horizontal: 10 cm @ 50 m; Vertical: 5 cm @ 50 m Real-time Point Cloud Coloring Modes Reflectivity, Height, Distance, RGB Ranging Accuracy (RMS 1σ)2 3 cm @ 100 m Sensor Size 1 inch Effective Pixels 20 MP Photo Size 5472x3078 (16:9); 4864x3648 (4:3); 5472x3648 (3:2) Focal Length 8.8 mm / 24 mm (Equivalent) Shutter Speed Mechanical Shutter Speed: 1/2000 - 8 s Electronic Shutter Speed: 1/8000 - 8 s	1,000,000.00	1,000,000.00


			ISO Video: 100 – 3200 (Auto), 100 – 6400 (Manual) Photo: 100 - 3200 (Auto), 100 - 12800 (Manual)		
			Aperture Range f/2.8 - f/11		
			Supported File System FAT (≤32 GB); exFAT (>32 GB)		
			Photo Format JPEG		
			Video Format MOV, MP4		
			Video Resolution H.264, 4K: 3840x2160 30p		
			Raw Data Storage Photo/IMU/Point cloud data storage/GNSS/Calibration files and with microSD slot		
			With Software and Remote Controller		

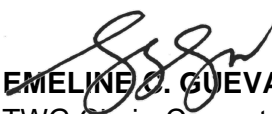
**Must have at least one year of preventive maintenance services, and at least 1-year warranty on parts and services.*

Prepared by:


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End-User

Noted/Certified Correct:


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