

**PURCHASE REQUEST**

Entity Name: **PhilFIDA**

Fund Cluster: 101

Office/Section: <b>TAD</b>	PR No.: <u>19-09-622</u> Responsibility Center Code _____	Date: September 23, 2019
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Stock/Property No.	Unit	Item Description	Quantity	Unit Cost	Total Cost
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	lot	Supply and delivery of the following by Lot with a minimum specification indicated: (Branded & BNew) Drone operated geotagging equipment with dual purpose camera, accessories and software (Enterprise Dual Series)	1	1,000,000	1,000,000
	sets	Quadcopter drone - Diagonal length : 350mm; Max Ascent Speed: 5m/s (S-mode); Max Descent Mode: 3m/s; Max Speed: 50kph; Max Service Ceiling Above Sea Level: 6,000m; Max Flight Time: at least 30 mins; Max Tilt Angle: 35degrees; GNSS: GPS + GLONASS + BeiDou; Operating Temperature Range: 0 to 40 degree celcius; Operating Frequency: 2.400-2.4835GHz; Internal Storage: 24GB - Gimbal Mechanical Pitch: -90 degrees to +30 degrees; Stabilization: 3-axis (tilt,roll,yaw); Max Control Speed (tilt): 90degrees/s - Camera Sensor: 1" CMOS; Effective pixels: 20 M; Lens: FOV 84° ; 8.8 mm / 24 mm(35 mm format equivalent:24 mm) ; f/2.8 - f/11, auto focus at 1 m - ∞; ISO Range: Video:100-3200(Auto) 100-6400(Manual), Photo:100-3200(Auto) 100-12800(Manual) - Mapping accuracy: Mapping accuracy meets the requirements of the ASPRS Accuracy Standards for Digital Orthophotos Class III; Max operating area of approx. 1 km² for a single flight(at an altitude of 182 m, i.e., GSD is approx. 5 cm/pixel, meeting the requirements of the ASPRS Accuracy Standards for Digital Orthophotos Class III; (H/36.5) cm/pixel, H means the aircraft altitude relative to shooting scene (unit: m) - SDK Remote Controller: 5.725 GHz to 5.850 GHz , 2.4 GHz CE / MIC / KCC: < 20 dBm, FCC / NCC: 4.3 mi (7 km); CE / MIC / KCC / SRRC: 3.1 mi (5 km) (Unobstructed, free of interference), Built-in battery 6000 mAh LiPo 2S - Intelligent Flight Battery Capacity: 5870mAh; Voltage: 15.2 V; Battery type: LiPo 4S - Intillegent Battery Charging Hub: 17.3 - 26.2 V, 8.7 V, 6 A ; 5 V, 2 A, 41° to 104°F(5° to 40°C)	1		
	pcs	Remote controller monitor (Tablet) - 12.9 inch LED-backlit multi-touch retina fully laminated display - 2732x2048 resolution @ 264ppi - fingerprint-resistant oleophobic coating and antireflective coating - A12x chip with 64bit architecture with M12 motion coprocessor - auto focus 12MP camera - auto image stabilization, face detection and photo geotagging - dual band wi-fi (802.11a/b/g/n/ac) - 512GB internal memory - 4K video recording (30 fps) or (60 fps)	1		
	sets	Portable Data Processing Equipment (Laptop) - 13.3-inch 4K Ultra HD (3840x2160) Touch Display - 512GB M.2 PCIe NVMe SSD - 16GB of 2133MHz LPDDR3 onboard memory - Intel UHD Graphics with shared graphics memory - Four thunderbolt 3 (USB-C) ports - 64bit pro latest version of license operating system	1		

PHILIPPINE FIBER INDUSTRY DEVELOPMENT AUTHORITY  
QUEZON CITY  
**RECEIVED**  
Date: 09/23/19  
By: Murphy  
RAC SECRETARIAT

9/23/19  
Date  
Purchase Request 19-09-622  
budget is within the TAD  
approved (MURPHY 249 APP)  
Murphy  
RAC Secretariat


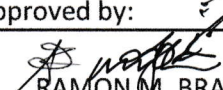
# PURCHASE REQUEST

Entity Name: **PhilFIDA**

Fund Cluster: 101

Office/Section: <b>TAD</b>		PR No.: <u>19-09-622</u> Responsibility Center Code _____			Date: September 23, 2019	
Stock/Property No.	Unit	Item Description	Quantity	Unit Cost	Total Cost	
		<ul style="list-style-type: none"> <li>- 720p Widescreen HD camera</li> <li>- 10th Gen Intel Core i7-10510U Processor 8MB Cache 4 cores</li> <li>- High quality backpack (compatible with the offered item) - 1 unit</li> <li><b>Warranty:</b> Manufacturer's standard warranty</li> <li><b>Included/Additional Requirements/Accessories:</b> <ul style="list-style-type: none"> <li>- For drone: bidder must have direct link to the manufacturer, nationwide service centers and guaranteed availability of spare parts and supplies</li> <li>- Provision of CAAP recognized RPAs training course for RPA Controller Certificate to at least 6 participants</li> <li>- Basic flight training (lecture and hands-on): Drone assembly/disassembly; Parts of the Drone; Basic drone operation; Drone App familiarization; Flight controls; Basic flight maneuvers; Short distance orientation exercises; and Basic drone troubleshooting.</li> <li>- Advanced flight training: Advanced flight maneuvers; Long distance orientation exercises; Flight exercises with obstacles and in tight spaces; and Flying in low light condition.</li> <li>- Basic sets of tools with toolbox, safety precautions, operational manuals, training materials and presentations should be provided.</li> <li>- Included in the drone lot the following accessories compatible to the offered drone: 8 units extra Intelligent Flight Battery</li> <li>- Drone Backpack (1unit) (compatible with the offered drone) - Foam inserts with pre-cut compartments for the drone, transmitter, charger, props, batteries • Injection-molded hard shell with custom pre-cut foam inserts specifically designed • Comfortable sponge type shoulder pad</li> <li>- Battery charging hub (compatible with the offered drone) - 1 units</li> <li>- High Quality MicroSD 128GB (compatible with the offered drone)- 2 units</li> </ul> </li> </ul>				
		<b>Total</b>			<b>1,000,000</b>	
		Chargeable against MITHI Fund 2019				

**Purpose:** For use in the conduct of mapping activity and documentation of programs and projects and in the development of multi-media support services for technology transfer.

	Requested by:	Approved by:
Signature		
Printed Name	ORLANDO D. COCAL	RAMON M. BRANZUELA
Designation	OIC - Technical Assistance Division	OIC-Deputy Executive Director



### PURCHASE REQUEST

Entity Name: **PhilFIDA**

Fund Cluster: 101

Office/Section: <b>PICTU</b>	PR No.: <u>19-09-611</u> Responsibility Center Code _____	Date: September 19, 2019			
Stock/Property No.	Unit	Item Description	Quantity	Unit Cost	Total Cost
1	sets	<p><b>Supply and Delivery of Brand New Geotagging Device with Power Bank and Carrying Bag</b></p> <p>Specification: (indicated as minimum)</p> <p><b>Geotagging Device:</b></p> <p>Capable of GPS, A-GPS, GLONASS, GALILEO and BDS signal 128GB internal memory and 6GB RAM; 2019 or latest model Battery: at least 4,000 mAh; OS: Android-based, version 9.0 CPU: Octa-core at least (4x2.2GHz Cortex-A73 at 4x1.7GHz Cortex-A53) Display: 6.4" capacitive touch screen (1080x2340pixels) Camera: 25MP front, at least 38MP triple rear With 3.5mm jack, Fast Charging 18W, USB OTG capable, with FM Radio</p> <p><b>Power Bank:</b></p> <p>20000mAh USB-C port with 18W power delivery In/Out. Qualcomm QC3.0 port with 18W PD.</p> <p><b>Carrying Bag:</b></p> <p>Screen size compatibility: up to 17.3 inches with compartments Professional slim laptop backpack with anti-theft handy pocket. Insulated sleeve with integrated USB charging port, multi-padded pockets Note: 3 years warranty, Outright Replacement for Factory Defect.</p> <p>Other requirements:</p> <ol style="list-style-type: none"> <li>All items must be branded.</li> <li>Bidders must have manufacturers certificate on all items.</li> <li>Bidders must have company owned/joint venture service center nationwide for the items.</li> </ol> <p>Delivery period: 15 Calendar Days</p> <p style="text-align: right;"><b>Total</b></p> <p>Chargeable against MITHI Fund 2019</p>	100	22,000	<b>2,200,000</b>

PHILIPPINE FIBER INDUSTRY  
DEVELOPMENT AUTHORITY  
QUEZON CITY


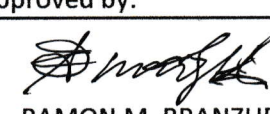
RECEIVED

Date: 09/19/19  
By: M. J. Branzuela  
BAC SECRETARIAT

9/20/19

Purchase Request 19-09-611  
budget is within the 730  
approved General 2019 AIP  
M. J. Branzuela  
BAC Secretary

Purpose: For use by TAD in the conduct of geotagging activity during field validation of fibercrop areas.

	Requested by:	Approved by:
Signature	 <b>ORLANDO D. COCAL</b> OIC -TAD	 <b>RAMON M. BRANZUELA</b> OIC-Deputy Exec. Director
Printed Name		
Designation		

*M. J. Branzuela*  
9/20/19