

Republic of the Philippines
 University of the Philippines Mindanao
 Mintal, Tugbok District, Davao City
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Date: 7 July 2015

BID BULLETIN NO. 02-2015

Name of Contract: Supply of Branded GNSS Survey Equipment, Fiber Optic Spectrometer, Workstations and Other Equipment for LiDAR Project

This Addendum is issued to modify/clarify part of the Bid Documents indicated below:

VII Technical Specifications

Item No.	Description	Unit	Quantity
2	<p>Dual-frequency Survey Grade Global Positioning System (GPS) with Real-time Kinematic, Post-processing Kinematic, and Static and Fast Static capabilities</p> <ul style="list-style-type: none"> • Number of GPS Receivers: 3 (1 base-2 rovers interchangeable); fully sealed and integrated, 430-450 MHz or wider range • Satellite Signal Tracking Capability: Required: GPS (L1/L2), GLONASS, Galileo Optional: BDS/Compass, SBAS, QZSS • Real Time Kinematic Positioning Accuracy: Horizontal: +/- 10 mm + 1 ppm RMS or lesser Vertical: +/- 20 mm + 1 ppm RMS or lesser • Post-processing Kinematic Positioning Accuracy (PPK/Stop-and-Go): Horizontal: +/- 2 cm + 1 ppm RMS or lesser Vertical: +/- 3 cm + 1 ppm RMS or lesser • Static and Fast Static Positioning Accuracy: Horizontal: +/- 3 mm + 1 ppm RMS or lesser Vertical: +/- 5 mm + 1 ppm RMS or lesser • Internal UHF Radio: Built-in Transmit/Receive Internal Radio: - at least 2 Watts transmitting power, adjustable - at least 3 kilometers typical UHF working range • External UHF Radio: - At least 25W transmitting power and at least 8 kilometers typical UHF working range • GPS Receiver Data Storage: At least 64 MB internal data storage for each receiver • GPS Receiver Input/Output Interface: Required ports: - Standard USB port - RS232 Serial port - Power Input port - antenna port • GPS Receiver Battery Life: At least 12 hours battery life for each receiver; re-chargeable batteries • Number of Receiver Controller/Data Collector: 3 (one for each receiver) • Controller/Data Collector Specifications: Required for each controller/data collector: Windows-based operating system colored and touch screen/display at least 1 GB internal memory 	LOT	1

	<p>with port for USB SD/microSD/miniSD Card slot with at least 8 hours battery life Optional: built-in GPS receiver Optional: built-in camera</p> <ul style="list-style-type: none"> • Required Accessories: <ul style="list-style-type: none"> 3 units aluminum tripod 3 units tribrach 3 units carbon fiber range pole with bubble 3 pcs. UHF receiver antenna (for each GPS receiver) External radio and base antenna setup consisting of all direction base antenna, pole extender for base antenna, tribrach, aluminum tripod, external radio cable and other required accessories 3 units bipod 3 pcs. power cables for the GPS receivers 3 pcs. battery chargers for the GPS receivers 3 pcs. battery chargers for the controllers/data collectors 3 units measuring tapes 3 pcs. 2 GB SD/microSD/miniSD Card (for the controller/data collector) 3 pcs. USB cables (to connect the GPS receiver to a computer) 3 pcs. RS 232 cables (to connect the GPS receiver to a computer) 3 pcs. transport cases (for the GPS receivers, data controllers and accessories) • Other requirements: <ul style="list-style-type: none"> GPS Data Post-processing software Other accessories not listed above that are necessary for the operation of the GPS receivers Warranty Certificate NTC Registration Training <ul style="list-style-type: none"> • Warranty: At least 1 year on parts and 2 years on services • Delivery Period: 30-45 calendar days upon receipt of Purchase Order • Delivery Place: College of Science and Mathematics, UP Mindanao, Mintal, Davao City. <p>FOR RESEARCH USE.</p>		
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For guidance and information of all concerned.


Prof. ANTONIO R. OBSIOMA, Ph.D.
Chair, Bids and Awards Committee