



**TECHNICAL SPECIFICATIONS**  
**SOLICITATION Number RSU-13-17**  
**TOTAL ABC: (PHP 1,485,000.00)**  
**QTY: 9**

**PROCUREMENT OF MODECERA EQUIPMENT/S**

Item	Specification	Statement of Compliance
Unit	<b>Analytical balance with accessories:</b> Model: PA-84. 85g capacity X 0.1mg readability. Includes draft shield with 3 sliding doors, AC adapter, 15 weighing units plus 1 custom unit. Applications include weighing, parts counting, % weighing, dynamic weighing & density determination. Includes RS232 interface, integral security bracket, weigh below hook, up-front level indicator & backlit display.	
Unit	<b>Automatic water level system</b> + Wireless Leaf and Soil Moisture Water Level + weather solar powered integrated sensor suite: Rain collector, Temperature & Humidity Sensor, Anemometer with 40" (12m) Anemometer cable, solar panel, Ultrasonic sensor Maximum range: 50ft (15.2m); Solar panel: 30W; Solar Charge controller, battery: 9Ah 12V battery; single connector: MC4 PV Connector Warranty: 1 year.	
Unit	<b>Depth integrating sediment sampler and accessories:</b> Model: DH-48, small, lightweight, cast aluminum sampler is design to obtain sediment samples in shallow water with a wading rod. An exhaust tube is cast into the body of depth intergrading-type sampler allows air in one-pint sampler bottle to escape downstream as it displaced by the accumulating sample. Includes two ¼ " sampler nozzles, one 1' wading rod with handle, intergrading sediment sampler extension rod 3', a case of 24 one-pint sample bottle with caps, and adhesive labels. Dimensions (with nozzle and rod): 12" x 35". Optional: Intergrading sediment sampler replacement bottle, case of 24.	
Unit	<b>Drying oven with accessories:</b> Lab Companion Natural Convection Ovens (General Model) (ON-22G) Capacity: 135L/4.8 cu. ft. Cat. No. AAH11155K 230V, 50/60Hz Accessories: 2 wire shelves (EDA8137) Tempered Viewing Windows (AAA12612) Perforated Shelves (AAA12535).	
Unit	<b>GPS with camera:</b> Model: OREGON 650, with echo sounder to log positions and record depth/bathymetry. Physical dimensions: 2.4" x 4.5" x 1.3" (6.1 x 11.4 x 3.3cm). Display size: 1.5" W x 2.5" H (3.8 x 6.3cm); 3" dia. (7.6cm). Display resolution: 240 x 400 pixels, Display type: Transflective color TFT touchscreen. Weight: 7.4 oz. (209.8 g) with batteries. Battery: Rechargeable NiMH pack (included) or 2 AA batteries (not included); NiMH or Lithium recommended. Battery life: 16 Hours. Water rating: IPX7. Interface: High-speed USB and NMEA 0183 compatible. Camera: Yes (8 mega pixels with autofocus; digital zoom). Electronic compass: Yes (tilt-compensated 3-axis). Unit to unit transfer (shares data wirelessly with similar units): Yes (plus images & customs maps). Built- in Memory: 4 GB. Accept data cards; Micro SD card. Waypoints' favorites' locations: 4000. Routes: 200.	
Unit	<b>Laser rangefinder with accessories:</b> Model: FORESTRY PRO. Results are display in yards, meters or feet. Water proof & comes complete with field case, user manual and battery (1) 3V CR2. Range: 11 to 550yds, 10 to 50m; 33 to 999ft. Resolution: 0.5 yds; 0.5m; 1ft. Accuracy: ± ½ yard out of 99 yard; 1 yrd to 550 yrd.	
Unit	<b>Load cell scour sensor and accessories</b> : USGS Load cell scour sensor By: RICKLY Model: 407-015	
Unit	<b>Microclimate sensors:</b> Model: DWS. High Resolution Rain Gauge. Measures precipitations with 0.2mm resolution. Solar Radiation Sensor. Devis cup Anemometer. Leaf Wetness Sensor. Predict plant disease by knowing duration of leaf wetness. Temperature/Relative Humidity Sensor. Includes radiation shield. Data Logger: INPUT CHANNELS 5 channels, each supporting 12-bit analog, 32 bit digital, pulse. DATA STORAGE 1 MB (36,000 scans of all 5 ports). POWER REQUIREMENTS: 5AA alkaline or Lithium batteries. CASE DIMENSIONS: 12.7cmx20.3cmx5.1cm (5in x 8in x 2in).	