



Republic of the Philippines
CAVITE STATE UNIVERSITY
Don Severino de las Alas Campus

Indang, Cavite, Philippines

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INVITATION TO SUBMIT QUOTATION
Supply and Delivery of Equipment for Surveying Laboratory of CEIT

1. The Cavite State University (CvSU) invites interested firms/supplier to submit quotation for the project **“Supply and Delivery of Equipment for Surveying Laboratory of CEIT”** with an Approved Budget for the Contract (ABC) of **Eight Hundred Fifteen Thousand Pesos Only (PhP 815,000.00)**. Quotation received in excess of the ABC shall be automatically rejected at the opening.

Item No.	Quantity	Unit	Description	Unit Cost	Total Cost
1.	1	unit	Sieve with Shaker <ul style="list-style-type: none"> • Shaker: 220V, digital timer control • Sieve: 200mm to 300mm, assorted sizes • Brass type or 304 type with pan and cover 	70,000.00	70,000.00
2.	2	units	Prismless Electronic Total Station <ul style="list-style-type: none"> • Distance Measurement <ol style="list-style-type: none"> a. Range with Specified Prisms <ol style="list-style-type: none"> a.1. No haze, visibility over 40km (25miles) with reflector sheet (5 x 5cm): 1.5m to 200m (4.9ft to 787ft) a.2. With Single Prism 6.25cm (2.5"): 3,000m (9,840ft) b. Range Reflectorless Modes <ol style="list-style-type: none"> b.1. KGC (18%) 1: Good – 250m (820ft); Normal – 200m (656ft); Difficult – 150m (492ft) b.2. KGC (90%) 1: Good – 400m (1,312ft); Normal – 350m (1,148ft); Difficult – 250m (820ft) c. Accuracy (Precise Mode) <ol style="list-style-type: none"> c.1. Prism: $\pm 2 + 2 \text{ ppm} * D$ (mm) c.2. Reflectorless/Reflector Sheet: $\pm 3 + 3 \text{ ppm} * D$ (mm) d. Measuring Interval <ol style="list-style-type: none"> d.1. Prism Mode: Precise Mode - 1.1sec; Normal Mode - 0.8sec d.2. Reflectorless mode: Precise Mode - 1.2sec; Normal Mode – 1.0sec 	320,000.00	640,000.00

Item No.	Quantity	Unit	Description	Unit Cost	Total Cost
			<p>d.3. Least Count: Precise Mode – 1mm (0.002ft); Normal Mode – 10mm (0.02ft)</p> <ul style="list-style-type: none"> • Angle Measurement <ul style="list-style-type: none"> a. Horizontal and Vertical – 2"/0.6mgon, 5"/1.5mgon b. Reading System: Photoelectric detection by incremental encoder c. Circle Diameter: 88mm (3.46") d. Horizontal Angle: 2" e. Diametrical Angle: 5" f. Vertical Angle: Single g. Minimum Increment (Degree, Gon, MIL6400): Degree – 1/5/10", Gon – 0.2/1/2mgon, MIL6400 – 0.005/0.02/0.02 milTelescope h. Tube Length: 125mm (4.9") i. Image: Erect j. Magnification: 30x (18x/36x with optional eyepieces) k. Effective Diameter of Objective: 45mm (1.77") – EDM: 50mm (1.97") l. Field of View: 1° 20' m. Resolving Power: 3" n. Minimum Focusing Distance: 1.5m (4.9ft) o. Laser Pointer: Coaxial Red • Light Tilt Sensor <ul style="list-style-type: none"> a. Type: Dual Axis b. Method: Liquid-electric Detection c. Compensation Range: ±3' • Communication <ul style="list-style-type: none"> a. Communication Ports: 1 x serial wireless communication b. Integrated Bluetooth • General Specifications <ul style="list-style-type: none"> a. Level Vials: Sensitivity of Plate Level Vial – 30"/2mm; Sensitivity of Circular Level Vial – 10"/2mm b. Optical Plummet: <ul style="list-style-type: none"> b.1. Image: Erect b.2. Magnification: 3x b.3. Field of View: 5° b.4. Focusing Range: 0.5m (1.6ft) to ∞ c. Display <ul style="list-style-type: none"> c.1. 2", both sides, backlit, graphic LCD (128 x 64 pixel) c.2. 5", single side, backlit, graphic LCD (128 x 64 pixel) 		

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			<ul style="list-style-type: none"> d. Point Memory: 50,000 records • Power <ul style="list-style-type: none"> a. Clip-on Li-on Battery: Output Voltage – 3.8V DC b. Operating Time (per battery): approx. 4.5 hours (continuous distance/angle measurement) – approx. 11 hours (distance/angle measurement every 30 seconds) – approx. 22 hours (continuous angle measurement) c. Charging Time (Full Charge): 4 hours • Environmental <ul style="list-style-type: none"> a. Ambient Temperature Range: -20°C to +50°C (-4°F to 122°F) b. Atmospheric Correction <ul style="list-style-type: none"> b.1. Temperature Range: -40°C to +60°C (-40°F to 140°F) b.2. Barometric Pressure: 400mmHg to 999mmHg hPa to 1,332 hPa/15.8 inHg to 39.3 inHg 		
3.	1	unit	<p>Lase Electronic Digital Theodolite</p> <ul style="list-style-type: none"> • Max. Range: 300m, • Accuracy: $\pm 3\text{mm} + 2\text{ppm} * D$ • Measure Time: Continuous – 0.35s, Single 1.5s • Atmosphere Correction: Auto correction by input parameter • Prism Constant: Auto correction by input parameter • Telescope <ul style="list-style-type: none"> a. Image: Erect b. Magnification: 30x c. Effective Apperture: 152mm d. Resolving Power: 3" e. Field of View: 1° 30' f. Minimum Focus Range: 1.5m g. Multiple Constant: 100 h. Additive Constant: 0 i. Stadia Accuracy: $\leq 0.40\%/L$ j. Tube Length: 155mm • Angle Measurement <ul style="list-style-type: none"> a. Measuring Method: Absolute Encoding b. Diameter of Encoder Disk: 79mm c. Minimum Reading: 1" d. Accuracy: 2" e. Detection Method: Horizontal – Dual; Vertical - Dual 	105,000.00	105,000.00

Item No.	Quantity	Unit	Description	Unit Cost	Total Cost
			<ul style="list-style-type: none"> • Compensator <ul style="list-style-type: none"> a. Type: Single Axis b. Working Range: $\pm 3'$ c. Accuracy: $\pm 3''$ • Laser Plummet <ul style="list-style-type: none"> a. Accuracy: $\pm 1.5\text{mm}$ (@1.5m) b. Spot Diameter: $\pm 2.5\text{mm}$ (@1.5m) c. Wave Length: $635\pm 20\text{mm}$ • Display Unit: 2.7", 160 * 96 LCD Screen • Power Supply: Battery – 7.4V Lithium Rechargeable Battery • Environment: Working Range - $20^{\circ}\text{C} \sim 50^{\circ}\text{C}$ 		
TOTAL AMOUNT					815,000.00


2. The quotation must be submitted to the Supply Office through mail, fax or email at the contact details listed below **on or before 5:00 PM of September 21, 2020**.

Address : Supply Office, Administration Building
Cavite State University
Indang, Cavite

E-mail : supplyoffice@cvsu.edu.ph

Telefax : (046) 862-0852

3. The CvSU reserves the right to reject any or all quotations and/or proposals and waive any formalities/informalities therein and to accept such bids it may consider as most advantageous to the agency and to the government. CvSU neither assumes any obligation for whatsoever losses that may be incurred in the preparation of bids, nor does it guarantee that an award will be made.


PRECIOSA G. ERAÑA
 BAC Secretary, Goods and Services