

Bid Supplement Abstract

Reference Number

12247094

Title

Procurement of Surveying and Structural Engineering Equipment for the Laboratory Instructional use of the BSCE

Program - Talisay Campus

Category

Laboratory Supplies and Equipment

Type

Addendum

Bid Supplement No.

12247094-01

Title

Addendum No. 1

Area of Delievery/Location

Delivery Period/Contract Duration

Contact Person

Rowena De la Vida Prado

Description

Kindly see attached Bid Supplement, Revised BOQ, Schedules of Requirements and Tech. Specifications

Note: Click the document name to view the attachment.

Addendum No. 1	Electronic	Bid Bulletin	A4
Schedules of Requirements (Revised)	Electronic	Supporting Documents	Legal 8.5 x 14
Technical Specifications (Revised)	Electronic	Specifications	Legal 8.5 x 14
Bill of Quantities (Revised)	Electronic	Supporting Documents	Legal 8.5 x 14

Back

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Bids and Awards Committee

SUPPLEMENTAL/BID BULLETIN ADDENDUM NO. 1 12247094/CHMSU 25-016-0723-G August 1, 2025

This Addendum No. 1 is issued for clarification of Bidders with regard to the specifications of bidding documents for the Procurement of Surveying and Structural Engineering Equipment for the Laboratory Instructional use of the BSCE Program — Talisay Campus per Reference Number 12247094/CHMSU 25-016-0723-G. This shall form an integral part of the Documents.

BILL OF QUANTITIES, TECHNICAL SPECIFICATIONS & SCHEDULE OF REQUIREMENTS LOT 1 – SURVEYING EQUIPMENT 1. ELECTRONIC DIGITAL THEODOLITE WITH LASER Supplier must provide: 1. At least one (1) warranty period for defects 2. AUTOMATIC LEVEL Supplier must provide: 1. At least one (1) warranty period for defects LOT 2 – STRUCTURAL ENGINEERING EQUIPMENT 3. PORTAL FRAME APPARATUS WITH DATA ACQUISITION SYSTEM BILL OF QUANTITIES, TECHNICAL SPECIFICATION (SHOULD BE) BILL OF QUANTITIES, TECHNICAL SPECIFICATIONS & SCHEDULE OF REQUIREMENTS 1. ELECTRONIC DIGITAL THEODOLITE WITH LASER Supplier must provide: 1. At least one (1) year warranty period for defects 1. At least one (1) year warranty period for defects LOT 2 – STRUCTURAL ENGINEERING EQUIPMENT 3. PORTAL FRAME APPARATUS WITH DATA ACQUISITION SYSTEM SUPPLIER MUST PROVIDE: DOT 1 – SURVEYING EQUIPMENT 1. ELECTRONIC DIGITAL THEODOLITE WITH LASER Supplier must provide: 1. At least one (1) year warranty period for defects LOT 2 – STRUCTURAL ENGINEERING EQUIPMENT 3. PORTAL FRAME APPARATUS WITH DATA ACQUISITION SYSTEM		
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ACQUISITION SYSTEM ACQUISITION SYSTEM	EQUIPMENT	EQUIPMENT
	3. PORTAL FRAME APPARATUS WITH DATA	3. PORTAL FRAME APPARATUS WITH DATA
	ACQUISITION SYSTEM	ACQUISITION SYSTEM
Supplier must provide: Supplier must provide:		
Supplied High Drovide.	Supplier must provide:	Supplier must provide:



M bac.sec@chmsc.edu.ph

1. At least five-year warranty period

2. At least 15-year spare parts availability

(034) 712 0005 local 142

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1. At least five-year warranty period

At least 10-years spare parts availability

Excellence - Compassion - Environmentalism - Love of Country - Social Responsibility - Integrity - Openness - Resilient



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- 3. Free installation
- 4. Free training/demonstration of the equipment and data acquisition system
- Proof of conformity to quality standards (Certificate of ISO 19001, 14001, 45001) and CE certificate of the product)
- 6. At least one (1) hard copy and soft copu of the product manual
- After-sales technical support, onsite visit and troubleshooting in case of malfunctions
- 8. Delivery period: 90 days

- 3. Free installation
- 4. Free training/demonstration of the equipment and data acquisition system
- Proof of conformity to quality standards from the manufacturer [Certificate of ISO 19001/14001/45001] and CE certificate of the product
- At least one (1) hard copy and soft copy of the product manual
- After-sales technical support, onsite visit and troubleshooting in case of malfunctions
- 8. Delivery period: 60 days

For guidance and information of all concerned.

For the BAC:

ATTY. PICCI L. SIASONI OX BAC Vice-Chairperson

Received	by the	Bidder:	

Date











Excellence - Compassion - Environmentalism - Love of Country - Social Responsibility - Integrity - Openness - Resilience

Section VI. Schedules of Requirements

REVISED

The delivery schedule expressed as weeks/months stipulates hereafter a delivery date which is the date of delivery to the project site.

Item #	Description	Quantity	Total	Delivered, Weeks/Months
	LOT 1 - SURVEYING EQUIPMENT			
1	ELECTRONIC DIGITAL THEODOLITE WITH LASER	2	2	
	Telescope:			
	Length: at least 149 mm			
	Aperture: 45 mm			
	Magnification: 30X			
	Image: Erect			
	Field of view: 1°30' (26 m / 1000 m)			
	Resolving power: 2.5"			
	Minimum focus: 0.9 m			
	Stadia ratio: 100; Stadia constant: 0			
	Angle Measurement:			
	Method: Rotary absolute encoder		_	_
	Detecting: 1 side horizontal and 1 side vertical			
	Minimum reading: 10" (0.002 gon/0.05 mil)/20" (0.005 gon/0.1 mil)			
	Accuracy: 9" (high accuracy)			
	Display: 1 side			
	Optical Plummet: 3X magnification; 0.5 m minimum focus			
	Sensitivity of Levels: 10'/2 mm for circular level, 30"/2 mm			
_	for plate level			
	Power Supply: 4 AA dry cells)alkaline batteries)			
	Operating Time using Alkaline batteries:			
	Theodolite only: up to 250 hours			
	Laser only: up to 80 hours			
	Theodolite and laser: 55 hours			
	Laser Pointer			
	Signal source: Red laser diode (633 nm)			
	Maximum output: 0.6 mW			
	Laser class: Class 2			
	Laser beam range: 50 m (in daylight)			
	Edsor beam range. 50 m (m daynghe)			
	Hardware:			
	Ingress protection: Dust and water resistance IP66 (JIS C 0920:2003)			
	Operating temperature range: - 20 to 50°C (- 4 to 122°F)			
	Storage temperature range: - 30 to 60°C (- 22 to 140°F)			
	(no condensation)			
	Size: max of 173 mm x 173 x 318 mm			
	Maximum weight: 4.0 kg (8.82 lb)			
	g (creating)			
	Accessories:			<u> </u>
	Stadia rod, tripod, plumb bob, hardshell carry case, toolkit,			
	and user's manual			
	A CONTRACTOR OF THE CONTRACTOR			
	Supplier must provide:			
	1. At least one (1) year warranty period for defects			
	2. Free equipment demonstration			
	Testing and calibration with calibration certificate			
	4. Free one (1) year maintenance/service period after			
	warranty period			
2	AUTOMATIC LEVEL		2	
	Telescope:	2	2	
	Length: max. 215 mm (8.46 in.)			
	Magnification: 32X			
	Objective aperture: 42 mm (1.65 in.)			

Field of the 40001 (0.0 - 4.7 F.0)		T	
Field of view: 1°20' (2.3 m / 7.5 ft)			
Minimum focus: 0.2 m (7.9 in.) from end of telescope; 0.3 m			
(1 ft) from instrument center			
Image: Erect			
Stadia ratio: 100; stadia constant: 0			
Focusing knob: 2-speed		-	
		1	
Sighting aid: peep sight			
Accuracy (1km double run leveling)			
Without micrometer: 0.7mm (0.03 in.)			
		 	
With micrometer: 0.5mm (0.02 in.)			
Compensator:			
Type: pendulum compensator with magnetic damping system			
Setting accuracy: 033"	-	<u> </u>	
The state of the s			_
Working range: ±15'			
Circular Level:			
Sensitivity: 10' / 2 mm			
Ochold No. 1 2 1 1 1 1 1	_	 	
Herinantal Circles		+	-
Horizontal Circle:		-	
Diameter: max. 103 mm (4.1 in.)		1-	
Minimum division: 1°/ 1 gon			
General:			
	_		
Water resistance: IPX6 (IEC 60529:2001)			
Operating temperature range: - 20 to 50°C (- 4 to 122°F)			
Size: max. 130 mm W x 215 mm L x 140 mm H			
Weight: max. 1.85 kg			
Weight: Hidx: 1:03 kg	_	-	
Accessories:			
Hex wrench, adjusting pins, vinyl cover, plumb bob, cleaning			
cloth, 'lens cap, hard carrying case, user's manual			
The start of the s		+	
Compliance of the state of the		-	
Supplier must provide:			
1. At least one (1) year warranty period			
2. Free equipment demonstration			
3. Free one (1) year maintenance and service after warranty period			
Street Street (2) year manner and service and manner period	_		
Cub ABC - Bbn 750 000 00	_	-	
Sub-ABC= Php 750,000.00		-	
LOT 2 - STRUCTURAL ENGINEERING EQUIPMENT			
PORTAL FRAME APPARATUS WITH DATA ACQUISITION	1	1	
SYSTEM			
	_		
Features:			
The main structure of the unit must be an embedded			
rectangular portal frame that simulates real-life situations			
where a structure must withstand various loads.			
2. The rectangular frame allows for the application of loads at			1
		+	+
different points to observe how the stresses are distributed.		-	
3. The portal frame apparatus allows for precise measurements			
of vertical and vertical and horizontal deflection in an			
embedded rectangular portal frame.			
4. With the application of various loads, changes in the portal			†
	-	+	
frame's structure can be observed and recorded, providing			
data on its behavior under different loading conditions.			
5. The portal frame apparatus must be designed with a robust			
structure and specific components that allow detailed and			The second secon
structure and specific components that allow detailed and precise observation of deflections.			
structure and specific components that allow detailed and precise observation of deflections. Specifications:		А.	
structure and specific components that allow detailed and precise observation of deflections.			
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structure and specific components that allow detailed and precise observation of deflections. Specifications: The portal frame apparatus must be a bench-top unit. The Anodized aluminum frame and panels must be made of painted steel. The unit consists of rectangular portal frame made of F114 steel.			
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structure and specific components that allow detailed and precise observation of deflections. Specifications: The portal frame apparatus must be a bench-top unit. The Anodized aluminum frame and panels must be made of painted steel. The unit consists of rectangular portal frame made of F114 steel. Frame Dimensions: at least 330 mm height x 480 mm length,			

Contains at least two (2) dial gauges, ranging from 0 - 10 mm,		
with an accuracy of 0.01 mm.		
Weight: max. 20 kilograms		
Inclusions:		
 Brass hook and mass set (6 weights of 200 grams, 6 weights 		
of 100 grams, 2 weights of 50 grams, 2 weights of 20 grams,		
2 weights of 10 grams, and 1 support hook of 100 grams)		
Base Module and Data acquisition system consisting of:		
a. Data acquisition electronic box with connectors for the		
different sensors, with PCI Express data acquisition board		
that is lodged in a slot of the computer, PCI Express bus.		
 b. Data acquisition software that enables the following: 		
Representing the system response curves in real time,		
recording all measurement values and results in a file,		
plotting the characteristic curves, and calibrating the sensors.		
Supplier must provide:		
At least five-year warranty period		
At least 10-years spare parts availability		
3. Free installation		
4. Free training/demonstration of the equipment and data		
acquisition system		
5. Proof of conformity to quality standards from the manufacturer		
[Certificate of ISO 19001/14001/45001] and CE certificate of		
the product		
6. At least one (1) hard copy and soft copy of the product manual.		
7. After-sales technical support, onsite visit and troubleshooting in		
case of malfunctions.		
8. Delivery period: 60 days		
Sub-ABC = Php 1,965,043.00		
-x-x-x-x-x-x-x-x-x-nothing follows-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x		
TOTAL ADC - Db- 2 745 042 00		
TOTAL ABC = Php 2,715,043.00		
PR # 25-764-0715 07-15-2025/Engr. G. Gerona		
MDS 224-101-25-07 07-17-2025		
Note: All items should be delivered within Sixty (60) calendar	days	
upon receipt of notice to proceed.		

Section VII. Technical Specifications

	REVISED	
Item	Specification	Statement of Compliance
		Bidders must state here either
		"Comply" or "Not Comply" against
		each of the individual parameters of
		each Specification stating the
		corresponding performance parameter
		of the equipment offered. Statements
		of "Comply" or "Not Comply" must be
		supported by evidence in a Bidders Bid
		and cross-referenced to that evidence.
		Evidence shall be in the form of
		manufacturer's un-amended sales
		literature, unconditional statements
		of specification and compliance issued
		by the manufacturer, samples,
		independent test data etc., as
		appropriate. A statement that is not
		supported by evidence or is subse-
		quently found to be contradicted by the
		evidence presented will render the Bid
		under evaluation liable for rejection.
		A statement either in the Bidders
		statement of compliance or the
		supporting evidence that is found to be
		false either during Bid evaluation, post-
		qualification or the execution of the
		Contract may be regarded as fraudulent
		and render the Bidder or supplier liable
:		for prosecution subject to the provisions
		of ITB Clause 3.1(a.2) and/or GCC
		Clause 2.1(a.2).
	LOT 1 - SURVEYING EQUIPMENT	Glade 2. I(d.2).
1	ELECTRONIC DIGITAL THEODOLITE WITH LASER	
1		
	Telescope: Length: at least 149 mm	
	Aperture: 45 mm	
-	Magnification: 30X	
	Image: Erect	
<u> </u>	Field of view: 1°30' (26 m / 1000 m)	
<u> </u>	Resolving power: 2.5" Minimum focus: 0.9 m	
	Stadia ratio: 100; Stadia constant: 0	
	Statia fatio: 100; Statia Constant. 0	
 	Angle Measurement:	
<u> </u>	Method: Rotary absolute encoder	
 	Detecting: 1 side horizontal and 1 side vertical	
	Minimum reading: 10" (0.002 gon/0.05 mil)/20" (0.005 gon/0.1 mil)	
<u> </u>	Accuracy: 9" (high accuracy)	
<u> </u>	Dienlays 1 cido	
	Display: 1 side	
	Optical Plummet: 3X magnification; 0.5 m minimum focus	
	Sensitivity of Levels: 10'/2 mm for circular level, 30"/2 mm	
<u> </u>	for plate level	
	Power Supply: 4 AA dry cells)alkaline batteries)	
 	Operating Time using Allerline habbaries	
<u> </u>	Operating Time using Alkaline batteries:	
<u> </u>	Theodolite only: up to 250 hours	
	Laser only: up to 80 hours	
	Theodolite and laser: 55 hours	
		_
<u> </u>	Laser Pointer	
	Signal source: Red laser diode (633 nm)	
1	Maximum output: 0.6 mW	
<u> </u>	Laser class: Class 2	

	Laser beam range: 50 m (in daylight)	
	Laser beam range: 50 m (in daylight)	
	Hardware:	
	Ingress protection: Dust and water resistance IP66 (JIS C 0920:2003)	
	Operating temperature range: - 20 to 50°C (- 4 to 122°F)	
	Storage temperature range: - 30 to 60°C (- 22 to 140°F)	
	(no condensation)	
_		
	Size: max of 173 mm x 173 x 318 mm	
	Maximum weight: 4.0 kg (8.82 lb)	
	Accessories:	
	Stadia rod, tripod, plumb bob, hardshell carry case, toolkit,	
	and user's manual	
	Supplier must provide:	
	1. At least one (1) year warranty period	
	2. Free equipment demonstration	
	3. Testing and calibration with calibration certificate	
	4. Free one (1) year maintenance/service period after	
	warranty period	
	warranty period	
	AUTOMATIC LEVEL	
	AUTOMATIC LEVEL	
	Telescope:	
	Length: max. 215 mm (8.46 in.)	
	Magnification: 32X	
	Objective aperture: 42 mm (1.65 in.)	
	Resolving power: 3"	
	Field of view: 1°20' (2.3 m / 7.5 ft)	
	Minimum focus: 0.2 m (7.9 in.) from end of telescope; 0.3 m	
	(1 ft) from instrument center	
	Image: Erect	
	Stadia ratio: 100; stadia constant: 0	
_	Focusing knob: 2-speed	
	Sighting aid: peep sight	
_		
	Accuracy (1km double run leveling)	
	Without micrometer: 0.7mm (0.03 in.)	
	With micrometer: 0.5mm (0.02 in.)	
-		
	Compensator:	
	Type: pendulum compensator with magnetic damping system	
	Type: pendulum compensator with magnetic damping system Setting accuracy: 033"	
	Type: pendulum compensator with magnetic damping system	
	Type: pendulum compensator with magnetic damping system Setting accuracy: 033" Working range: ±15'	
	Type: pendulum compensator with magnetic damping system Setting accuracy: 033" Working range: ±15' Circular Level:	
	Type: pendulum compensator with magnetic damping system Setting accuracy: 033" Working range: ±15'	
	Type: pendulum compensator with magnetic damping system Setting accuracy: 033" Working range: ±15' Circular Level: Sensitivity: 10' / 2 mm	
	Type: pendulum compensator with magnetic damping system Setting accuracy: 033" Working range: ±15' Circular Level: Sensitivity: 10' / 2 mm Horizontal Circle:	
	Type: pendulum compensator with magnetic damping system Setting accuracy: 033" Working range: ±15' Circular Level: Sensitivity: 10' / 2 mm Horizontal Circle: Diameter: max. 103 mm (4.1 in.)	
	Type: pendulum compensator with magnetic damping system Setting accuracy: 033" Working range: ±15' Circular Level: Sensitivity: 10' / 2 mm Horizontal Circle:	
	Type: pendulum compensator with magnetic damping system Setting accuracy: 033" Working range: ±15' Circular Level: Sensitivity: 10' / 2 mm Horizontal Circle: Diameter: max. 103 mm (4.1 in.) Minimum division: 1°/ 1 gon	
	Type: pendulum compensator with magnetic damping system Setting accuracy: 033" Working range: ±15' Circular Level: Sensitivity: 10' / 2 mm Horizontal Circle: Diameter: max. 103 mm (4.1 in.) Minimum division: 1°/ 1 gon General:	
	Type: pendulum compensator with magnetic damping system Setting accuracy: 033" Working range: ±15' Circular Level: Sensitivity: 10' / 2 mm Horizontal Circle: Diameter: max. 103 mm (4.1 in.) Minimum division: 1°/ 1 gon General: Water resistance: IPX6 (IEC 60529:2001)	
	Type: pendulum compensator with magnetic damping system Setting accuracy: 033" Working range: ±15' Circular Level: Sensitivity: 10' / 2 mm Horizontal Circle: Diameter: max. 103 mm (4.1 in.) Minimum division: 1°/ 1 gon General: Water resistance: IPX6 (IEC 60529:2001)	
	Type: pendulum compensator with magnetic damping system Setting accuracy: 033" Working range: ±15' Circular Level: Sensitivity: 10' / 2 mm Horizontal Circle: Diameter: max. 103 mm (4.1 in.) Minimum division: 1°/ 1 gon General: Water resistance: IPX6 (IEC 60529:2001) Operating temperature range: - 20 to 50°C (- 4 to 122°F)	
	Type: pendulum compensator with magnetic damping system Setting accuracy: 033" Working range: ±15' Circular Level: Sensitivity: 10' / 2 mm Horizontal Circle: Diameter: max. 103 mm (4.1 in.) Minimum division: 1°/ 1 gon General: Water resistance: IPX6 (IEC 60529:2001) Operating temperature range: - 20 to 50°C (- 4 to 122°F) Size: max. 130 mm W x 215 mm L x 140 mm H	
	Type: pendulum compensator with magnetic damping system Setting accuracy: 033" Working range: ±15' Circular Level: Sensitivity: 10' / 2 mm Horizontal Circle: Diameter: max. 103 mm (4.1 in.) Minimum division: 1°/ 1 gon General: Water resistance: IPX6 (IEC 60529:2001) Operating temperature range: - 20 to 50°C (- 4 to 122°F)	
	Type: pendulum compensator with magnetic damping system Setting accuracy: 033" Working range: ±15' Circular Level: Sensitivity: 10' / 2 mm Horizontal Circle: Diameter: max. 103 mm (4.1 in.) Minimum division: 1°/ 1 gon General: Water resistance: IPX6 (IEC 60529:2001) Operating temperature range: - 20 to 50°C (- 4 to 122°F) Size: max. 130 mm W x 215 mm L x 140 mm H Weight: max. 1.85 kg	
	Type: pendulum compensator with magnetic damping system Setting accuracy: 033" Working range: ±15' Circular Level: Sensitivity: 10' / 2 mm Horizontal Circle: Diameter: max. 103 mm (4.1 in.) Minimum division: 1°/ 1 gon General: Water resistance: IPX6 (IEC 60529:2001) Operating temperature range: - 20 to 50°C (- 4 to 122°F) Size: max. 130 mm W x 215 mm L x 140 mm H Weight: max. 1.85 kg Accessories:	
	Type: pendulum compensator with magnetic damping system Setting accuracy: 033" Working range: ±15' Circular Level: Sensitivity: 10' / 2 mm Horizontal Circle: Diameter: max. 103 mm (4.1 in.) Minimum division: 1°/ 1 gon General: Water resistance: IPX6 (IEC 60529:2001) Operating temperature range: - 20 to 50°C (- 4 to 122°F) Size: max. 130 mm W x 215 mm L x 140 mm H Weight: max. 1.85 kg Accessories: Hex wrench, adjusting pins, vinyl cover, plumb bob, cleaning	
	Type: pendulum compensator with magnetic damping system Setting accuracy: 033" Working range: ±15' Circular Level: Sensitivity: 10' / 2 mm Horizontal Circle: Diameter: max. 103 mm (4.1 in.) Minimum division: 1°/ 1 gon General: Water resistance: IPX6 (IEC 60529:2001) Operating temperature range: - 20 to 50°C (- 4 to 122°F) Size: max. 130 mm W x 215 mm L x 140 mm H Weight: max. 1.85 kg Accessories:	
	Type: pendulum compensator with magnetic damping system Setting accuracy: 033" Working range: ±15' Circular Level: Sensitivity: 10' / 2 mm Horizontal Circle: Diameter: max. 103 mm (4.1 in.) Minimum division: 1°/ 1 gon General: Water resistance: IPX6 (IEC 60529:2001) Operating temperature range: - 20 to 50°C (- 4 to 122°F) Size: max. 130 mm W x 215 mm L x 140 mm H Weight: max. 1.85 kg Accessories: Hex wrench, adjusting pins, vinyl cover, plumb bob, cleaning cloth, 'lens cap, hard carrying case, user's manual	
	Type: pendulum compensator with magnetic damping system Setting accuracy: 033" Working range: ±15' Circular Level: Sensitivity: 10' / 2 mm Horizontal Circle: Diameter: max. 103 mm (4.1 in.) Minimum division: 1°/ 1 gon General: Water resistance: IPX6 (IEC 60529:2001) Operating temperature range: - 20 to 50°C (- 4 to 122°F) Size: max. 130 mm W x 215 mm L x 140 mm H Weight: max. 1.85 kg Accessories: Hex wrench, adjusting pins, vinyl cover, plumb bob, cleaning cloth, 'lens cap, hard carrying case, user's manual Supplier must provide:	
	Type: pendulum compensator with magnetic damping system Setting accuracy: 033" Working range: ±15' Circular Level: Sensitivity: 10' / 2 mm Horizontal Circle: Diameter: max. 103 mm (4.1 in.) Minimum division: 1°/ 1 gon General: Water resistance: IPX6 (IEC 60529:2001) Operating temperature range: - 20 to 50°C (- 4 to 122°F) Size: max. 130 mm W x 215 mm L x 140 mm H Weight: max. 1.85 kg Accessories: Hex wrench, adjusting pins, vinyl cover, plumb bob, cleaning cloth, 'lens cap, hard carrying case, user's manual Supplier must provide:	
	Type: pendulum compensator with magnetic damping system Setting accuracy: 033" Working range: ±15' Circular Level: Sensitivity: 10' / 2 mm Horizontal Circle: Diameter: max. 103 mm (4.1 in.) Minimum division: 1°/ 1 gon General: Water resistance: IPX6 (IEC 60529:2001) Operating temperature range: - 20 to 50°C (- 4 to 122°F) Size: max. 130 mm W x 215 mm L x 140 mm H Weight: max. 1.85 kg Accessories: Hex wrench, adjusting pins, vinyl cover, plumb bob, cleaning cloth, 'lens cap, hard carrying case, user's manual Supplier must provide: 1. At least one (1) year warranty period	
$\overline{}$	Type: pendulum compensator with magnetic damping system Setting accuracy: 033" Working range: ±15' Circular Level: Sensitivity: 10' / 2 mm Horizontal Circle: Diameter: max. 103 mm (4.1 in.) Minimum division: 1°/ 1 gon General: Water resistance: IPX6 (IEC 60529:2001) Operating temperature range: - 20 to 50°C (- 4 to 122°F) Size: max. 130 mm W x 215 mm L x 140 mm H Weight: max. 1.85 kg Accessories: Hex wrench, adjusting pins, vinyl cover, plumb bob, cleaning cloth, 'lens cap, hard carrying case, user's manual Supplier must provide: 1. At least one (1) year warranty period 2. Free equipment demonstration	
$\overline{}$	Type: pendulum compensator with magnetic damping system Setting accuracy: 033" Working range: ±15' Circular Level: Sensitivity: 10' / 2 mm Horizontal Circle: Diameter: max. 103 mm (4.1 in.) Minimum division: 1°/ 1 gon General: Water resistance: IPX6 (IEC 60529:2001) Operating temperature range: - 20 to 50°C (- 4 to 122°F) Size: max. 130 mm W x 215 mm L x 140 mm H Weight: max. 1.85 kg Accessories: Hex wrench, adjusting pins, vinyl cover, plumb bob, cleaning cloth, 'lens cap, hard carrying case, user's manual Supplier must provide: 1. At least one (1) year warranty period	

	LOT 2 - STRUCTURAL ENGINEERING EQUIPMENT
3	PORTAL FRAME APPARATUS WITH DATA ACQUISITION
	SYSTEM
	Features:
	The main structure of the unit must be an embedded
	rectangular portal frame that simulates real-life situations
	where a structure must withstand various loads.
	The rectangular frame allows for the application of loads at
	different points to observe how the stresses are distributed.
	The portal frame apparatus allows for precise measurements
	of vertical and vertical and horizontal deflection in an
	embedded rectangular portal frame.
	With the application of various loads, changes in the portal
	frame's structure can be observed and recorded, providing
	data on its behavior under different loading conditions.
	5. The portal frame apparatus must be designed with a robust
	structure and specific components that allow detailed and
	precise observation of deflections.
	Specifications:
	The portal frame apparatus must be a bench-top unit.
	The Anodized aluminum frame and panels must be made of
	painted steel.
	The unit consists of rectangular portal frame made of F114 steel.
	Frame Dimensions: at least 330 mm height x 480 mm length,
	Section: at least 15 mm x 4 mm
	Provided with cord and pulley to hang the masses horizontally,
	and hook to hang the masses vertically.
	Contains at least two (2) dial gauges, ranging from 0 - 10 mm,
	with an accuracy of 0.01 mm.
	Weight: max. 20 kilograms
	Inclusions:
_	Brass hook and mass set (6 weights of 200 grams, 6 weights
	of 100 grams, 2 weights of 50 grams, 2 weights of 20 grams,
	2 weights of 10 grams, and 1 support hook of 100 grams)
	Base Module and Data acquisition system consisting of:
	a. Data acquisition electronic box with connectors for the
	different sensors, with PCI Express data acquisition board
	that is lodged in a slot of the computer, PCI Express bus.
	b. Data acquisition coffeens that computer, PCI Express bus.
	b. Data acquisition software that enables the following:
	Representing the system response curves in real time,
	recording all measurement values and results in a file,
	plotting the characteristic curves, and calibrating the sensors.
	Supplier must provide:
	At least five-year warranty period
	2. At least 10-years spare parts availability
	3. Free installation
	4. Free training/demonstration of the equipment and data
	acquisition system
	5. Proof of conformity to quality standards from the manufacturer
	[Certificate of ISO 19001/14001/45001] and CE certificate of
	the product
	6. At least one (1) hard copy and soft copy of the product manual. 7. After-sales technical support, ensity visit and troublesheating in
	7. After-sales technical support, onsite visit and troubleshooting in
	case of malfunctions.
	8. Delivery period: 60 days
	Sub-ABC = Php 1,965,043.00
	-x-x-x-x-x-x-x-x-x-nothing follows-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x
	TOTAL ABC = Php 2,715,043.00
	PR # 25-764-0715 07-15-2025/Engr. G. Gerona
	MDS 224-101-25-07 07-17-2025

CARLOS HILADO MEMORIAL STATE UNIVERSITY BIDS AND AWARDS COMMITTEE

Talisay City, Negros Occidental Tel. Nos.: (034) 454-0529; 454-0584 Local 142

Project Reference No:

CHMSU 25-016-0723-G

Name of the Project:

PROCUREMENT OF SURVEYING AND STRUCTURAL ENGINEERING EQUIPMENT FOR THE

LABORATORY INSTRUCTIONAL USE OF THE BSCE PROGRAM

Location of the Project: TALISAY CAMPUS

REVISED

page 1 of 4

Item No.	Qty	Unit	ARTICLES and DESCRIPTION	Unit Price	Total Price
			LOT 1 - SURVEYING EQUIPMENT		
1	2	set	ELECTRONIC DIGITAL THEODOLITE WITH LASER		
			Telescope:		
			Length: at least 149 mm		
			Aperture: 45 mm		
			Magnification: 30X		
			Image: Erect		
			Field of view: 1°30' (26 m / 1000 m)		
			Resolving power: 2.5"		
			Minimum focus: 0.9 m		
			Stadia ratio: 100; Stadia constant: 0		
-			Angle Measurement:)—————————————————————————————————————
-			Method: Rotary absolute encoder		
_			Detecting: 1 side horizontal and 1 side vertical		
			Minimum reading: 10" (0.002 gon/0.05 mil)/20" (0.005 gon/0.1 mil)		
			Accuracy: 9" (high accuracy)		
			Display: 1 side		
			Optical Plummet: 3X magnification; 0.5 m minimum focus		
			Sensitivity of Levels: 10'/2 mm for circular level, 30"/2 mm		
			for plate level		
			Power Supply: 4 AA dry cells)alkaline batteries)		
			Operating Time using Alkaline batteries:		
			Theodolite only: up to 250 hours		
			Laser only: up to 80 hours		
-			Theodolite and laser: 55 hours		
_			Theodolite and laser: 55 hours		
			Laser Pointer		
			Signal source: Red laser diode (633 nm)		
			Maximum output: 0.6 mW		
			Laser class: Class 2		
			Laser beam range: 50 m (in daylight)		
			Hardware:		
-					
-			Ingress protection: Dust and water resistance IP66 (JIS C 0920:2003)		
-			Operating temperature range: - 20 to 50°C (- 4 to 122°F)		
			Storage temperature range: - 30 to 60°C (- 22 to 140°F)		
			(no condensation)		
-			Size: max of 173 mm x 173 x 318 mm		
			Maximum weight: 4.0 kg (8.82 lb)		

Signature of Bidder	
Name of Firm	
Date	

CARLOS HILADO MEMORIAL STATE UNIVERSITY BIDS AND AWARDS COMMITTEE

Talisay City, Negros Occidental Tel. Nos.: (034) 454-0529; 454-0584 Local 142

Project Reference No: CHMSU 25-016-0723-G

Name of the Project:

PROCUREMENT OF SURVEYING AND STRUCTURAL ENGINEERING EQUIPMENT FOR THE

LABORATORY INSTRUCTIONAL USE OF THE BSCE PROGRAM

Location of the Project: TALISAY CAMPUS

REVISED

page 2 of 4

Item No.	Qty	Unit	ARTICLES and DESCRIPTION	Unit Price	Total Price
			Accessories:		
			Stadia rod, tripod, plumb bob, hardshell carry case, toolkit,		
			and user's manual		
			Supplier must provide:		
			At least one (1) year warranty period for defects		
			Free equipment demonstration		
			Testing and calibration with calibration certificate		
			Free one (1) year maintenance/service period after		
			warranty period		
2	2	set	AUTOMATIC LEVEL		
_	-	500	Telescope:		
			Length: max. 215 mm (8.46 in.)		
_			Magnification: 32X		
			Objective aperture: 42 mm (1.65 in.)		
			Resolving power: 3"		
			Field of view: 1°20' (2.3 m / 7.5 ft)		
			Minimum focus: 0.2 m (7.9 in.) from end of telescope; 0.3 m		
			(1 ft) from instrument center		
			Image: Erect		
			Stadia ratio: 100; stadia constant: 0		
			Focusing knob: 2-speed		
			Sighting aid: peep sight		
			orginally and, peep signe		
			Accuracy (1km double run leveling)		
			Without micrometer: 0.7mm (0.03 in.)		
			With micrometer: 0.5mm (0.02 in.)		
,	2		Compensator:		
			Type: pendulum compensator with magnetic damping system		
			Setting accuracy: 033"		
			Working range: ±15'		
-			Circular Level:		
			Sensitivity: 10' / 2 mm		
			Horizontal Circle:		
			Diameter: max. 103 mm (4.1 in.)		
			Minimum division: 1°/ 1 gon		

Signature of Bidder	
Name of Firm	
Date	

CARLOS HILADO MEMORIAL STATE UNIVERSITY BIDS AND AWARDS COMMITTEE

Talisay City, Negros Occidental Tel. Nos.: (034) 454-0529; 454-0584 Local 142

Project Reference No: CHMSU 25-016-0723-G

Name of the Project: PROCUREMENT OF SURVEYING AND STRUCTURAL ENGINEERING EQUIPMENT FOR THE

LABORATORY INSTRUCTIONAL USE OF THE BSCE PROGRAM

Location of the Project: TALISAY CAMPUS

REVISED page 3 of 4

Item No.	Qty	Unit	ARTICLES and DESCRIPTION	Unit Price	Total Price
			General:		
			Water resistance: IPX6 (IEC 60529:2001)		
			Operating temperature range: - 20 to 50°C (- 4 to 122°F)		
			Size: max. 130 mm W x 215 mm L x 140 mm H		
			Weight: max. 1.85 kg		
			Accessories:		
			Hex wrench, adjusting pins, vinyl cover, plumb bob, cleaning		
			cloth, 'lens cap, hard carrying case, user's manual		
			Supplier must provide:		
			1. At least one (1) year warranty period		
			2. Free equipment demonstration		
			3. Free one (1) year maintenance and service after warranty period		
			Sub-ABC= Php 750,000.00		
			LOT 2 - STRUCTURAL ENGINEERING EQUIPMENT		
3	1	set	PORTAL FRAME APPARATUS WITH DATA ACQUISITION SYSTEM		
			Features:		
			The main structure of the unit must be an embedded		
			rectangular portal frame that simulates real-life situations		
			where a structure must withstand various loads.		
			2. The rectangular frame allows for the application of loads at		
			different points to observe how the stresses are distributed.		
			3. The portal frame apparatus allows for precise measurements		
			of vertical and vertical and horizontal deflection in an		
			embedded rectangular portal frame.		
			4. With the application of various loads, changes in the portal		
			frame's structure can be observed and recorded, providing		
			data on its behavior under different loading conditions.		
			5. The portal frame apparatus must be designed with a robust		
			structure and specific components that allow detailed and		
			precise observation of deflections.		
			Specifications:		
			The portal frame apparatus must be a bench-top unit.		
			The Anodized aluminum frame and panels must be made of		
			painted steel.		
			The unit consists of rectangular portal frame made of F114 steel.		
			Frame Dimensions: at least 330 mm height x 480 mm length,		

Signature of Bidder	
Name of Firm	
Date	

CARLOS HILADO MEMORIAL STATE UNIVERSITY BIDS AND AWARDS COMMITTEE

Talisay City, Negros Occidental Tel. Nos.: (034) 454-0529; 454-0584 Local 142

Project Reference No:

CHMSU 25-016-0723-G

Name of the Project:

PROCUREMENT OF SURVEYING AND STRUCTURAL ENGINEERING EQUIPMENT FOR THE

LABORATORY INSTRUCTIONAL USE OF THE BSCE PROGRAM

Location of the Project: TALISAY CAMPUS

REVISED

page 4 of 4

Item No.	Qty	Unit	ARTICLES and DESCRIPTION	Unit Price	Total Price
			Section: at least 15 mm x 4 mm		
			Provided with cord and pulley to hang the masses horizontally,		
			and hook to hang the masses vertically.		
			Contains at least two (2) dial gauges, ranging from 0 - 10 mm,		
			with an accuracy of 0.01 mm.		_
			Weight: max. 20 kilograms		
			Inclusions:		
			1. Brass hook and mass set (6 weights of 200 grams, 6 weights		
			of 100 grams, 2 weights of 50 grams, 2 weights of 20 grams,		
			2 weights of 10 grams, and 1 support hook of 100 grams)		
			2. Base Module and Data acquisition system consisting of:		
			a. Data acquisition electronic box with connectors for the		
			different sensors, with PCI Express data acquisition board		
			that is lodged in a slot of the computer, PCI Express bus.		
			b. Data acquisition software that enables the following:		
			Representing the system response curves in real time,		
			recording all measurement values and results in a file,		
			plotting the characteristic curves, and calibrating the sensors.		
			Supplier must provide:		
			At least five-year warranty period		
			2. At least 10-years spare parts availability		
			3. Free installation		
			4. Free training/demonstration of the equipment and data		
			acquisition system		
			5. Proof of conformity to quality standards from the manufacturer		
			[Certificate of ISO 19001/14001/45001] and CE certificate of		
			the product		
			6. At least one (1) hard copy and soft copy of the product manual.		
			7. After-sales technical support, onsite visit and troubleshooting in		
			case of malfunctions.		
			8. Delivery period: 60 days		
			Sub-ABC = Php 1,965,043.00		
			-x-x-x-x-x-x-x-x-x-x-nothing follows-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x		
			TOTAL ABC = Php 2,715,043.00		
			PR # 25-764-0715 07-15-2025/Engr. G. Gerona		
			MDS 224-101-25-07 07-17-2025		

Signature of Bidder	
Name of Firm	
Date	