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.

Document Name	Document Type	Content	Format
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

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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.

PARTICULARS (AS PUBLISHED)	RECTIFICATION (SHOULD BE)
BILL OF QUANTITIES, TECHNICAL SPECIFICATIONS & SCHEDULE OF REQUIREMENTS	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	LOT 1 – SURVEYING EQUIPMENT 1. **ELECTRONIC DIGITAL THEODOLITE WITH LASER** **Supplier must provide:** 1. At least one (1) year warranty period for defects
2. **AUTOMATIC LEVEL** **Supplier must provide:** 1. At least one (1) warranty period for defects	2. **AUTOMATIC LEVEL** **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** **Supplier must provide:** 1. At least five-year warranty period 2. At least 15-year spare parts availability	**LOT 2 – STRUCTURAL ENGINEERING EQUIPMENT** 3. **PORTAL FRAME APPARATUS WITH DATA ACQUISITION SYSTEM** **Supplier must provide:** 1. At least five-year warranty period 2. At least 10-years spare parts availability

Bids and Awards Committee

3. Free installation 4. Free training/demonstration of the equipment and data acquisition system 5. 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 7. 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 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

For guidance and information of all concerned.

For the BAC:

ATTY. RICCI L. SIASON
BAC Vice-Chairperson

Received by the Bidder: _____

_____
Date

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)			
	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 for defects			
	2. Free equipment demonstration			
	3. Testing and calibration with calibration certificate			
	4. Free one (1) year maintenance/service period after			
	warranty period			
2	**AUTOMATIC LEVEL**	2	2	
	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			
	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			
	3. Free one (1) year maintenance and service after warranty period			
	Sub-ABC= Php 750,000.00			
	LOT 2 - STRUCTURAL ENGINEERING EQUIPMENT			
3	**PORTAL FRAME APPARATUS WITH DATA ACQUISITION**	1	1	
	SYSTEM			
	Features:			
	1. 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,			
	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:			
	1. 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-x-x-nothing follows-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			
	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 subsequently 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	
1	**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	
	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)	
	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	
2	**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	
	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	
	3. Free one (1) year maintenance and service after warranty period	
	Sub-ABC= Php 750,000.00	

	LOT 2 - STRUCTURAL ENGINEERING EQUIPMENT	
3	**PORTAL FRAME APPARATUS WITH DATA ACQUISITION**	
	SYSTEM	
	Features:	
	1. 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,	
	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:	
	1. 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-x-x-nothing follows-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

BILL OF QUANTITIES

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		
			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 _____

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BILL OF QUANTITIES

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:		
			1. At least one (1) year warranty period for defects		
			2. Free equipment demonstration		
			3. Testing and calibration with calibration certificate		
			4. Free one (1) year maintenance/service period after		
			warranty period		
2	2	set	**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		
			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 _____

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Location of the Project: **TALISAY CAMPUS**
REVISED

BILL OF QUANTITIES

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:		
			1. 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 _____

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Location of the Project: **TALISAY CAMPUS**
REVISED

BILL OF QUANTITIES

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:		
			1. 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-x-x-nothing follows-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 _____