



Award Notice Abstract (Ref No.: 3407061)

Status: Updated

Reference Number: 8227472	NORTHWEST SAMAR STATE UNIVERSITY Rueda Extension Calbayog City Samar, Region VIII, Philippines LABORATORY EQUIPMENT FOR THE COLLEGE OF...(LOT 3)	Award Type: Award Notice						
Control Number: 2021-11-483	Awardee : HEXATRONICS MARKETING Address : PONEVE BUSINESS CENTER Gov. Lugay Ave, Mangga II, Matatalaib TARLAC CITY Tarlac City Tarlac, Region III, Philippines	Contract Amount: Php1,505,000.00						
Bid Notice Title: LABORATORY EQUIPMENT FOR THE COLLEGE OF ENGINEERING AND TECHNOLOGY (CET) OF NwSSU-MAIN CAMPUS	Contact Person : CYNDEE BAUTISTA CANLAS Designation : PROPRIETOR	Award Date: 29-Dec-2021						
Approved Budget: Php9,255,000.00	Line Item	Publish Date: 31-Dec-2021						
Procurement Mode: Public Bidding	<table border="1"> <thead> <tr> <th>#</th> <th>Product/Service/Project Name</th> <th>Budget</th> </tr> </thead> <tbody> <tr> <td>3</td> <td>LABORATORY EQUIPMENT FOR THE COLLEGE OF... (LOT 3), "LABORATORY EQUIPMENT FOR THE COLLEGE OF ENGINEERING AND TECHNOLOGY (CET) OF NwSSU-MAIN CAMPUS" (Lot 3: Procurement of FACET) (see attachments), 41100000, 1, Lot</td> <td>Php1,510,000.00</td> </tr> </tbody> </table>	#	Product/Service/Project Name	Budget	3	LABORATORY EQUIPMENT FOR THE COLLEGE OF... (LOT 3), "LABORATORY EQUIPMENT FOR THE COLLEGE OF ENGINEERING AND TECHNOLOGY (CET) OF NwSSU-MAIN CAMPUS" (Lot 3: Procurement of FACET) (see attachments), 41100000, 1, Lot	Php1,510,000.00	Date Last Updated: 13-Jan-2022
#	Product/Service/Project Name	Budget						
3	LABORATORY EQUIPMENT FOR THE COLLEGE OF... (LOT 3), "LABORATORY EQUIPMENT FOR THE COLLEGE OF ENGINEERING AND TECHNOLOGY (CET) OF NwSSU-MAIN CAMPUS" (Lot 3: Procurement of FACET) (see attachments), 41100000, 1, Lot	Php1,510,000.00						
Classification: Goods	Reason for Award : Single Calculated and Responsive Bidder	Contract Number: 2021-12-634						
Category: Engineering and Laboratory Testing Equipment		Proceed Date: 31-Dec-2021						
Applicable Procurement Rules: Implementing Rules and Regulations		Contract Effectivity Date: 31-Dec-2021						
Funding Source: Government of the Philippines (GOP)		Contract End Date: 14-Feb-2022						
Funding Instrument: Loans / Grants		Created By: Floriza Abayan Morilao						
Area of Delivery: Samar		Date Created: 31-Dec-2021						
Delivery Period: 45 Day/s		Approver: Floriza Abayan Morilao						
Contact Person: Floriza Morilao		View Documents: 6						
Created By: Floriza Morilao								

NORTHWEST SAMAR STATE UNIVERSITY
TELEFAX NO. 055-2093122

Project Reference No: 2021-11-483
Name of Project: Laboratory Equipment for the
College of Engineering and
Technology (CET) of NWSSU-
Main Campus
Location of Project: NWSSU, Calbayog City

Standard Form Number: SF-GNCP-49
Revised on: May 24, 2004

Republic of the Philippines
NORTHWEST SAMAR STATE UNIVERSITY
Rueda Street, Calbayog City
Telefax No. (055) 2093122

NOTICE TO PROCEED

December 31, 2021

MS. CYNDEE B. CANLAS
Proprietor/Owner
HEXATRONICS MARKETING
Poneve Bus. Ctr., Gov. Lugay Ave., Mangga II
Brgy. Matatalaib, Tarlac City


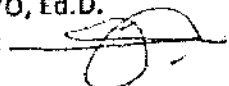
Dear Ma'am:

The attached Contract of Agreement with Contract Price of **One Million Five Hundred Five Thousand Pesos (₱ 1,505,000.00)** having been approved, notice is hereby given to **HEXATRONICS MARKETING** for the **"LABORATORY EQUIPMENT FOR THE COLLEGE OF ENGINEERING AND TECHNOLOGY (CET) OF NWSSU- MAIN CAMPUS"** (Lot 3: Procurement of FACET) effective upon receipt of this Notice.

Upon receipt of this notice, you are responsible for performing the services under the terms and conditions of the Agreement and in accordance with the Implementation Schedule.

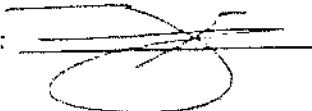
Please acknowledge receipt and acceptance of this notice by signing both copies in the space provided below. Keep one copy and return the other to Northwest Samar State University.

Very truly yours,


BENJAMIN L. PECAYO, Ed.D.
University President 

I acknowledge receipt of this Notice on DEC. 31, 2021

Name of the Representative of the Bidder JUSTINE JOHN EUGENIO

Authorized Signature: 



PROCUREMENT OFFICE
 E-mail: procurement@nwssu.edu.ph
 TELEFAX: (055) 2033557
PURCHASE ORDER

Supplier: HEXATRONICS MARKETING		P.O. No.:	1023-11-001
Address: POREVE BUS. CTR., GOV. LUGAY AVE., MANGGA II, BRGY. MATATAKIAN, TARIAC CITY		Date Required:	11/26/22
TIN: 406-444 582 000		P.P. No.:	1023-11-001
		Method of Payment:	2.1

Gentlemen:
 This is our **CONTRACT**, please furnish this Office the following in order subject to the terms and conditions contained in the attached letter: "Guidelines for the Procurement of Goods and Services" (list) in the appropriate trial contract in the City of Calbayog, to the exclusion of all other contracts.

Place of Delivery: Supply Office, NwSSU Main Campus, Calbayog City	Delivery Term: 45/66
Date of Delivery: Commence upon receipt of NTP	Payment Term:

Stock/Property No./Item No.	Unit	Description	Quantity	Unit Cost	Amount
"Laboratory Equipment for the College of Engineering and Technology (CET) of NWSSU - Main Campus"					
LOT 3 - PROCUREMENT OF FACILY - ELECTRONICS ENGINEERING					
1	set	FAULT ASSISTED CIRCUITS FOR ELECTRONICS TRAININGS (FACE) - FIBER OPTICS COMMUNICATION MODULE Manual Base Unit with Built-In Power Supply Consisting of: - 1 Manual Base Unit with Built In Power Supply - 1 Power Cord, Nema 5-15 Features of this equipment shall include: - Distributed ±15 V dc and variable 10-10 V dc power to the various circuit training modules. Coarse and fine controls are provided to adjust the variable 10-10 V dc supplies. - Self-protection against short circuit, reverse voltage, overvoltage, and overcurrent conditions. - Long-life ZIF connector, with a rotary knob that locks the training module into the base unit. The ZIF connector itself is protected from damage by built-in stops. - The fingers on the connectors are gold-plated for added durability. - Included is an accessory kit containing terminal posts, connectors, adapters, and patch cords required to perform experiments on the training module. - A total of thirty-two circuit modifications (CM) and Fault switches. Students manually select CM switches as the course progresses, while the protected fault switches are reserved for instructor use by means of an integrated locking cover assembly. - External Power: - Requirement: 220V ac - Output: ±15 V dc and 0 to ±10 V dc - Protection: Short Circuit, Reverse Voltage, Overvoltage, Overcurrent Power Requirements: - Service Installation: Standard single phase ac outlet - Voltage: 100-250 V ac - Current: 0.4-0.65 A - Frequency: 50/60 Hz Physical Characteristics: - Intended Location: On a table able to support the weight of the equipment - Dimensions (H x W x D): 152 x 305 x 356 mm (6 x 12 x 14 in) - Net Weight: 3.1 kg (6.9 lb)	1	187,800.00	187,800.00
<i>page 1 of 2</i>					

page 1 of 2

In case of failure to make the full delivery within the time specified above, a penalty of one-tenth (1/10) of one percent for every day of delay shall be imposed on undelivered items and/or other possible sanctions be imposed. In delivery within the contract duration, the University has the right to cancel the P.O.

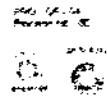
Contractor: HEXATRONICS MARKETING
 Signature Over Printed Name of Supplier
 12/13/2022
 Date

Very truly yours,
BENJAMIN K. CALIBAN
 University President

Fund Cluster: _____
 Funds Available: _____
CORNELIO C. BARTISTA JR.
 Signature Over Printed Name of Chief Accountant/Head of Accounting Division/Unit

GRN/BIRN No.: _____
 Date of the GRN/BIRN: _____
 Amount: _____

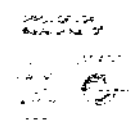
End user: CTT



PROCUREMENT OFFICE:
 Email: ed_procurement@nwssu.edu.ph
 TELEFAX: PLDT - (055) 2093122

PURCHASE ORDER

Supplier: HEXATRONICS MARKETING		P. O. No: 2021-12-534			
Address: PONEVE BUS. CTR., GOV. LUGAY AVE., MANGGA II, BRGY. MATATALAIB, TARIAC CITY		Date of Procurement: 31 Dec 21			
TIN: 406-444-582-000		P.P. No.: 2021-11-433			
		Mode of Procurement: Public Bidding			
Gentlemen: This is our CONTRACT , please furnish this Office the following articles subject to the terms and conditions contained herein. *Subsisting from this Contract shall only be that in the appropriate trial courts in the City of Calbayog, in the exclusion of all other courts.*					
Place of Delivery: Supply Office, NWSSI Main Campus, Calbayog City		Delivery Term: 45 d.			
Date of Delivery: Commence upon receipt of NIP		Payment Term:			
Stock/Property No./Item No.	Unit	Description	Quantity	Unit Cost	Amount
1.2	unit	Fiber Optic Communications Board: This board shall include the following circuit blocks: - Digital Transmitter - Digital Receiver - Analog Transmitter - Analog Receiver - RS-232 Interface Additional Features: - FACET base unit or stand-alone operation - Interface with the 32-Bit Microprocessor module - ST connections - Multimode 62.5/125 cm cable - High-speed 820 nm transmitter - Integrated PIN photodiode and trans-impedance receiver - Digital and analog communications channels - Full handshake RS232 Interface using time-division multiplexing (TDM) and Manchester coding - On-board microphone and speaker - Built-in microphone amplifier, power supply, audio-amplifier and photo transmitter - LED block	1	300,000.00	300,000.00
1.3	unit	Fiber Optic Communications (Instructor Guide) - The manuals Fiber Optic Communications, both the student manual and instructor guide, are also available in computer-based format Courseware: The curriculum shall consist of illustrated student manuals and instructor guides. The manuals shall be divided into two categories: Student Manuals and Instructor Guides. *Student manuals shall include a description of the objectives, a list of required equipment, a list of safety procedures, and a detailed list of steps required to attain the objectives safely and efficiently. The topics shall be introduced in different exercises. Review questions at the end of each exercise shall allow the student to verify what was learned in the student manual.	1	12,000.00	12,000.00
1.4	unit	Fiber Optic Communications (Student Manual) - The manuals Fiber Optic Communications, both the student manual and instructor guide, are also available in computer-based format Courseware: The curriculum shall consist of illustrated student manuals and instructor guides. The manuals shall be divided into two categories: Student Manuals and Instructor Guides. *Student manuals shall include a description of the objectives, a list of required equipment, a list of safety procedures, and a detailed list of steps required to attain the objectives safely and efficiently. The topics shall be introduced in different exercises. Review questions at the end of each exercise shall allow the student to verify what was learned in the student manual.	1	6,000.00	6,000.00
-page 2 of 9-					315,000.00
page 2 Subtotal					
In case of failure to make the full delivery within the time specified above, a penalty of one-tenth (1/10) of one percent for every day of delay shall be imposed on undelivered items and/or other possible sanctions be imposed. No delivery within the contract duration, the University has the right to cancel the P.O.					
Conforms:		HEXATRONICS MARKETING Signature Over Printed Name of Supplier _____ 17/31/2021 Date		Very truly yours, BENJAMIN PECAYO, Ed.D. University President	
Fund Cluster: _____ Funds Available: _____		CORNELIO BAUTISTA JR. Signature Over Printed Name of Chief Accountant, Head of Accounting Division/Unit		ORS/BURS No.: _____ Date of the ORS/BURS: _____ Amount: _____	
End-User: CET					



PROCUREMENT OFFICE
 Email: procurement@nwssu.edu.ph
 TEL/FAX: PLDT - (055) 2093127
PURCHASE ORDER

Supplier:	HEXATRONICS MARKETING	P. O. No.:	2021-12-634
Address:	PONIVE BUS. CTR., GOV. LUGAY AVE., MANGGA II, ORGY, MATATALAID, TARLAC CITY	Date Prepared:	31 Dec 21
TIN:	406-444-582-000	P.P. No.:	2021-11-483
		Mode of Procurement:	Public Bidding

Gentlemen:
 This is our **CONTRACT**, please furnish this Office the following articles subject to the terms and conditions contained attached herein. Most important herein this contract shall only be filed in the appropriate mail courts in the City of Calbayog, to the exclusion of all other courts.

Place of Delivery:	Supply Office, Nwssu - Main Campus, Calbayog City	Delivery Term:	45 cd.
Date of Delivery:	Commence upon receipt of NTF	Payment Term:	

Stock/ Property No./Item No.	Unit	Description	Quantity	Unit Cost	Amount
		*Instructor guides may be used to evaluate students and verify that they have understood the current topic. The following topics shall be covered by the curriculum: Fiber Optic Communications: <ul style="list-style-type: none"> o Circuit Board Familiarization o Introduction to Fiber Optic Communications o Scattering and Absorption Losses o Connectors and Polishing o Numerical Aperture and Core Area o Bending Loss and Modal Dispersion o Light Source o Driver Circuit o Source-to-Fiber Connection o Light Detector o Output Circuit o Fiber Optic Test Equipment o Optical Power Budgets o Analog Communications o Troubleshooting 			
1.5	unit	Function Generator Waveform Types: Sine, Square, Ramp, Noise, Arbitrary Waveform Number of Channels: 2 Display Type: LCD Frequency Range (Square, Pulse and Arbitrary Waveform): 0.1Hz to 25MHz Time Base Accuracy: ±1 count Input Impedance: 1kΩ/1pF Output Impedance: 50Ω nominal Internal Linear and Log Sweep: Yes FM Modulation: Yes Internal and External Amplitude Modulation: Yes STORE/RECALL: 10 Groups of Setting Memories Interface Type: USB Signal Type (Range, Resolution, & Accuracy): Sine: 0.1Hz - 5MHz, 0.1Hz & ±20ppm Square: 0.1Hz - 5MHz, 0.1Hz, & ±20ppm Ramp (Triangular): 0.1Hz - 1MHz, 0.1Hz & ±20ppm	1	120,000.00	120,000.00
-page 3 of 9-					
page 3 Subtotal					120,000.00

In case of failure to make the full delivery within the time specified above, a penalty of one-tenth (1/10) of one percent for every day of delay shall be imposed on undelivered items and/or other possible sanction/s be imposed. No delivery within the contract duration, the University has the right to cancel the P.O.

Conforms:

HEXATRONICS MARKETING
 Signature Over Printed Name of Supplier
 12/31/2021
 Date

Very truly yours,

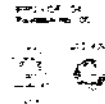
BENJAMIN L. PECAYO, Ed.D.
 University President

Fund Cluster: _____
 Funds Available: _____

CORNELIO C. BAUTISTA JR.
 Signature Over Printed Name of Chief
 Accountant/ Head of Accounting Division/Unit

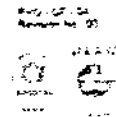
ORS/BURS No.: _____
 Date of the ORS/BURS: _____
 Amount: _____

End-User: CET

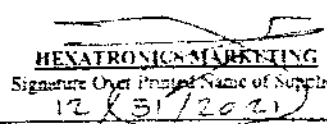
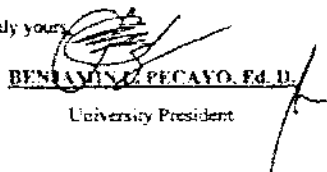



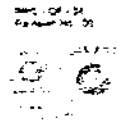
PROCUREMENT OFFICE
 Email: procurement@nwssu.edu.ph
 TELEFAX: PLDT - (055) 2093122
PURCHASE ORDER

Supplier: HEXATRONICS MARKETING		P.O. No: 2021-11-634			
Address: PONEVE BUS. CTR., GOV. LUGAY AVE., MANGGA H, BRGY. MAJATALAIG, TAPLAC CITY		Date Reported: 31 Dec 21			
TIN: 406 444 582 000		P.P. No: 2021-11-483			
		Mode of Procurement: Public Bidding			
<p>Clientment: This is our CONTRACT, please furnish this Office the following articles subject to the terms and conditions contained/attached herein. "Items missing from this Contract shall only be filed in the appropriate trial courts in the City of Calbayog to the exclusion of all other courts."</p>					
Place of Delivery: Supply Office, NWSSU - Main Campus Calbayog City		Delivery Term: 45 cd.			
Date of Delivery: Commence upon receipt of NTP		Payment Term:			
Stock/Property No./Item No.	Unit	Description	Quantity	Unit Cost	Amount
		<p>Amplitude: Range: 1mVpp to 10Vpp(into 50), 0.1Hz-20MHz; 2mVpp-20Vpp(open-circuit). 0.1Hz to 20MHz Accuracy: ±2% of setting ±1mVpp;(at 1kHz >10mVpp) Resolution: 0.1mV or 3d'gits Flatness: ±1% (0.1dB) 100kHz; ±3% (0.3dB) 5MHz; ±4% (0.4dB) 12MHz; ±70% (2dB) 20MHz; ±5% (0.4dB) 25MHz Units : Vpp, Vrms, dBm Offset: Range: ±5Vpk ac+dc(into 50); ±10Vpk ac+dc(open circuit); ±2.5Vpk ac+dc(into 50) for 0 20MHz-25MHz; ±5Vpk ac+dc(open circuit) for 20MHz-25MHz Accuracy: 2% of setting + 5mV+ 0.5% of amplitude</p> <p>Waveform Output: Impedance: 50Ω typical (fixed); >300k (output disabled) Protection: Short-circuit protected; Overload relay automatically disables main output</p> <p>Sync Output: Level: TTL-compatible into >1kΩ Impedance: 50Ω nominal Rise or Fall Time: ≤ 25ns</p> <p>Warranty, Terms and Conditions: • 2-years product warranty • 10 years availability of spare parts</p> <p>Bidders must submit the following: • Technical specifications details or technical data indicating the brand name and model of item/s as additional technical requirements • After sales training at Northwest Samar State University after completion of delivery • Distributor certificate</p>			
2	set	Fault Assisted Circuit for Electronics Training(FACET)- Electronics Fundamentals with Two (2) units Dual Trace, Dual Channel Digital Analog Oscilloscope			
2.1	unit	<p>Laboratory Equipment Description: Manual Base Unit with Built-in Power Supply consisting of: - 1 Manual Base Unit with Built-in Power Supply - 1 Power Cord- Nema 5-15</p>	1	187,000.00	187,000.00
		<i>page 4 of 9</i>			
		<i>page 4 Subtotal</i>			187,000.00
<p>In case of failure to make the full delivery within the time specified above, a penalty of one-tenth (1/10) of one percent for every day of delay shall be imposed on undelivered items and/or other possible sanctions be imposed. No delivery within the contract duration, the University has the right to cancel the P.O.</p>					
Conforms:		<p>Very truly yours, BENJAMIN LOPEZAYO, Ed. D. University President</p>		<p>Signature Over Printed Name of Supplier HEXATRONICS MARKETING 19/12/2021 Date</p>	
<p>Fund Cluster: _____ Funds Available: _____</p> <p> CORNELIO C. TALISTA JR. Signature Over Typed Name of Chief Accountant/ Head of Accounting Division/Unit</p>		<p>ORS/BURS No: _____ Date of the ORS/BURS: _____ Amount: _____</p>			
End-User: CET					



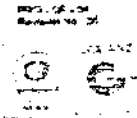
PROCUREMENT OFFICE
 Email: procurement@nwssu.edu.ph
 TEL/FAX: PLDT - (655) 2093122
PURCHASE ORDER

Supplier: HEXATRONICS MARKETING		P. O. No.: 2021-12-634			
Address: PONEVE BUS. CTR., GOV. LUGAY AVE., MANGGA II, BRGY. MATATALAIB, TARLAC CITY		Date Prepared: 31 Dec 21			
TEL: 406-444-582-000		P.R. No.: 2021-11-483			
		Mode of Procurement: Public Bidding			
Gentlemen: This is our CONTRACT, please furnish this Office the following articles subject to the terms and conditions contained/attached herein. "Suit's arising from this Contract shall only be filed in the appropriate trial courts in the City of Calbayog, in the exclusion of all other courts."					
Place of Delivery: Supply Office, NwSSU Main Campus, Calbayog City		Delivery Term: 45 cd.			
Date of Delivery: Commence upon receipt of NTP		Payment Term:			
Stock/ Property No./Item No.	Unit	Description	Quantity	Unit Cost	Amount
		Features of this equipment shall include: - Distributed ± 15 V dc and variable $\pm 0-10$ V dc power to the various circuit training modules. Coarse and fine controls are provided to adjust the variable $10-10$ V dc supplies. - Self-protection against short circuit, reverse voltage, overvoltage, and overcurrent conditions. - Long-life ZIF connector, with a rotary knob that locks the training module into the base unit. The ZIF connector itself is protected from damage by built-in stops. - The fingers on the connectors are gold-plated for added durability. - Included is an accessory kit containing terminal posts, connectors, adapters, and patch cords required to perform experiments on the training module. - A total of thirty-two circuit modifications (CM) and Fault switches. Students manually select CM switches as the course progresses, while the protected Fault switches are reserved for instructor use by means of an integrated locking cover assembly. External Power: • Requirement: 220V ac • Output: ± 15 V dc and 0 to ± 10 V dc • Protection: Short Circuit, Reverse Voltage, Overvoltage, Overcurrent Power Requirements: Service Installation: Standard single-phase ac outlet Voltage: 100-250 V ac Current: 0.4-0.65 A Frequency: 50/60 Hz Physical Characteristics: Intended Location: On a table able to support the weight of the equipment Dimensions (H x W x D): 152 x 305 x 356 mm (6 x 12 x 14 in.) Net Weight: 3.1 kg (5.9 lb)			
2.2	unit	Board: Semiconductors Devices This board shall include the following circuit blocks: - Diodes and Half-Wave Rectification - Full-Wave Rectification with Power Supply Filters -page 5 of 9	1	102,000.00	102,000.00
page 5 Subtotal					102,000.00
In case of failure to make the full delivery within the time specified above, a penalty of one-tenth (1/10) of one percent for every day of delay shall be imposed on undelivered items and/or other possible sanctions be imposed. No delivery within the contract duration, the University has the right to cancel the P.O.					
Confirmer:  HEXATRONICS MARKETING Signature Over Printed Name of Supplier 12/31/2021		Very truly yours,  BENJAMIN PECAYO, Ed.D. University President			
Fund Cluster: _____ Funds Available: _____  CORNELIO C. BALFISTA JR. Signature Over Printed Name of Chief Accountant/ Head of Accounting Division/Unit		ORS/BURS No.: _____ Date of the ORS/BURS: _____ Amount: _____			
End-User: CET					



PROCUREMENT OFFICE
 Email ad: procurement@nwssu.edu.ph
 TELEFAX: PLDT - (055) 2093122
PURCHASE ORDER

Supplier: HEXATRONICS MARKETING		P. O. No.: 2021-17-634			
Address: PONEVE BUS. CTR., GOV. LUGAY AVE., MANGGA II, BRGY. MATATALAIB, TARLAC CITY		Date Prepared: 31 Dec 21			
TIN: 406-404-582-000		P.R. No.: 2021-11-483			
		Mode of Procurement: Public Bidding			
Gendemen: This is our CONTRACT , please furnish this Office the following articles subject to the terms and conditions contained attached herein. *Suit arising from this Contract shall only be filed in the appropriate trial courts in the City of Calbayog, to the exclusion of all other courts.*					
Place of Delivery: Supply Office, NWSSU Main Campus, Calbayog City		Delivery Term: 45 cd.			
Date of Delivery: Commence upon receipt of NTP		Payment Term:			
Stock/Property No./Item No.	Unit	Description	Quantity	Unit Cost	Amount
		<ul style="list-style-type: none"> - Zener Diode Regulator - Diode Waveshaping - Voltage Doubler - Transistor Junction - PNP DC Bias - Transistor Load Lines and Gain 			
2.3	unit	Semiconductor Fundamentals (Student Manual) - The manuals Semiconductors Fundamentals, both the student manual and instructor guide, are also available in computer-based format.	1	12,000.00	12,000.00
2.4	unit	Semiconductor Fundamentals (Instructor Guide)	1	6,000.00	6,000.00
2.5	unit	Transistor Feedback Circuits This board shall include the following circuit blocks: - Series Feedback/Shunt Feedback - Multistage Shunt-Series Feedback - Attenuator - Multistage Series-Shunt Feedback - Differential Amplifier	1	116,000.00	116,000.00
2.6	unit	Transistors Feedback Circuits Fundamentals (Student Manual) - The manuals Transistor Feedback Circuits Fundamentals, both the student and instructor guide, are also available in computer-based format.	1	12,000.00	12,000.00
2.7	unit	Transistor Feedbacks Circuits Fundamentals (Instructor Guide)	1	6,000.00	6,000.00
2.8	unit	Transistor Amplifier Circuits This board shall include the following circuit blocks: - Attenuator - Common Base/Emitter - Common Collector - Bias Stabilization - RC Coupling/Transformer Coupling - Direct Coupling	1	120,000.00	120,000.00
2.9	unit	Transistor Amplifier Circuits (Student Manual) Courseware: The curriculum shall consist of illustrated student manuals and instructor guides. The manuals shall be divided into two categories: Student Manuals and Instructor Guides.	1	12,000.00	12,000.00
-page 6 of 9-					
page 6 Subtotal					284,000.00
In case of failure to make the full delivery within the time specified above, a penalty of one-tenth (1/10) of one percent for every day of delay shall be imposed on undelivered items and/or other possible sanctions be imposed. No delivery within the contract duration, the University has the right to cancel the P.O.					
Conforms:		Signature Over Printed Name of Supplier HEXATRONICS MARKETING 12/31/2021 Date		Very truly yours, BENJAMIN L. PECAYO, Ed. D. University President	
Fund Cluster: _____		Signature Over Printed Name of Chief Accountant/Head of Accounting Division Unit CORNELIOT B. BAPTISTA JR.		ORS/BURS No.: _____ Date of the ORS/BURS: _____ Amount: _____	
Funds Available: _____					



PROCUREMENT OFFICE
 Email ad: procurement@nwssu.edu.ph
 TELEFAX: PLDT - (055) 2093122
PURCHASE ORDER

Supplier:	HEXATRONICS MARKETING	P. O. No.:	2021-12-634
Address:	PONEVE BUS. CTR., GOV. LUGAY AVE., MANGGA II, BRGY. MATATALAIB, TARLAC CITY	Date Prepared:	31 Dec 21
TIN:	405-448-582-000	P.R. No.:	2021-11-483
		Mode of Procurement:	Public Bidding

Gentlemen:
 This is our **CONTRACT**, please furnish this Office the following articles subject to the terms and conditions contained attached herein. "Suits arising from this Contract shall only be filed in the appropriate trial courts in the City of Calbayog, to the exclusion of all other courts."

Place of Delivery: Supply Office, Nwssu-Main Campus, Calbayog City
 Date of Delivery: Commence upon receipt of NTP
 Delivery Term: 45 cd.
 Payment Term:

Stock/ Property No./Item No.	Unit	Description	Quantity	Unit Cost	Amount
		<p>- Student manuals shall include a description of the objectives, a list of required equipment, a list of safety procedures, and a detailed list of steps required to attain the objectives safely and efficiently. The topics shall be introduced in different exercises. Review questions at the end of each exercise shall allow the student to verify what was learned in the student manual.</p> <p>- Instructor guides may be used to evaluate students and verify that they have understood the current topic.</p> <p>The following topics shall be covered by the curriculum:</p> <p>Semiconductor Devices:</p> <ul style="list-style-type: none"> • Semiconductor Component Identification • Control of a Semiconductor Switch • Diode and DC Characteristics • Half-Wave Rectification • Full-Wave Diode Bridge Rectification • Power Supply Filtering • Voltage Doubler • Diode Waveshaping • The Zener Diode • Zener Diode Voltage Regulation • Testing the Junctions of a Transistor • PNP Transistor Current Control Circuit • Emitter-Base Bias Potentials • Collector Current vs. Base Bias • Transistor DC Circuit Voltages • Transistor Load Lines • Troubleshooting Basics • Troubleshooting the Semiconductor Devices Circuit Board <p>Transistor Amplifier Circuits:</p> <ul style="list-style-type: none"> • Circuit Location and Identification • Multistage Amplifier Introduction 			

page 2 Subtotal

In case of failure to make the full delivery within the time specified above, a penalty of one-tenth (1/10) of one percent for every day of delay shall be imposed on undelivered items and/or other possible sanction/s be imposed. No delivery within the contract duration, the University has the right to cancel the P.O.

Conforms:

HEXATRONICS MARKETING
 Signature Over Printed Name of Supplier
 12/31/2021
 Date

Very truly yours,

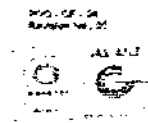
BENJAMIN L. PECAYO, Ed. D.
 University President

Fund Cluster: _____
 Funds Available: _____

CORNELIO C. BALTISTA JR.
 Signature Over Printed Name of Chief
 Accountant/ Head of Accounting Division/Unit

ORS/BURS No.: _____
 Date of the ORS/BURS: _____
 Amount: _____

End-User: CET



PROCUREMENT OFFICE
 Email ad. procurement@nwssu.edu.ph
 TELEFAX: P. D.T - (055) 2093122
PURCHASE ORDER

Supplier: HEXATRONICS MARKETING	P. O. No.: 2021-12-634
Address: PONEVE BUS. CTR., GOV. LUGAY AVE., MANGGA II, BRGY. MATATALAIB, TARLAC CITY	Date Prepared: 31 Dec 21
TIN: 406-444-582-000	P.R. No: 2021-11-483
	Mode of Procurement: Public Bidding

Gentlemen:
 This is our CONTRACT, please furnish this Office the following articles subject to the terms and conditions contained attached herein. *Suit's arising from this Contract shall only be filed in the appropriate trial courts in the City of Calbayog, to the exclusion of all other courts.*

Place of Delivery: Supply Office, NwSSU-Main Campus, Calbayog City	Delivery Term: 45 cd.
Date of Delivery: Commence upon receipt of NTP	Payment Term:

Stock/Property No./Item No.	Unit	Description	Quantity	Unit Cost	Amount
		<ul style="list-style-type: none"> • Common Base Circuit DC Operation • Common Base Circuit AC Operation • Common Emitter Circuit DC Operation • Common Emitter Circuit AC Operation • Common Collector Circuit DC Operation • Common Collector Circuit AC Operation • Temperature Effect on Fixed Bias Circuit • Temperature Effect on Voltage Divider Bias Circuit • Transistor Parameters Familiarization • Using the Transistor Specification Sheet • RC Coupled Amplifier DC Operation • RC Coupled Amplifier AC Voltage Gain and Phase Relationship • RC Coupled Amplifier Frequency Response • Transformer Coupled Amplifier DC Operation • Transformer Coupled Amplifier AC Operation • Transformer Coupled Amplifier Frequency Response • Direct Coupled Amplifier DC Operation • Direct Coupled Amplifier AC Operation • Direct Coupled Amplifier Frequency Response • Troubleshooting Basics • Troubleshooting Transistor Amplifier Circuits Transistor Feedback Circuits: <ul style="list-style-type: none"> • Component Location and Identification • Series Feedback Amplifier Operation • The Effect of Feedback on AC Gain • The Effect of Negative Series Feedback on Bandwidth • The Effect of Series Feedback on Input and Output Impedance • The Effect of Shunt Feedback on AC Gain • The Effect of Shunt Feedback on Bandwidth • The Effect of Shunt Feedback on Input and Output Impedance • Shunt-Series Multistage Amplifier Current Gain • Shunt-Series Multistage Amplifier Output Gain • Shunt-Series Multistage Amplifier Voltage Gain 			

-page 8 of 9-

page 8 Subtotal

In case of failure to make the full delivery within the time specified above, a penalty of one-tenth (1/10) of one percent for every day of delay shall be imposed on undelivered items and/or other possible sanctions be imposed. No delivery within the contract duration, the University has the right to cancel the P.O.

Conforms:

HEXATRONICS MARKETING
 Signature Over Printed Name of Supplier
12/31/2021
 Date

Very truly yours,

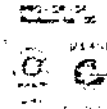
BENJAMIN L. PECAYO, Ed. D.
 University President

Fund Cluster: _____
 Funds Available: _____

CORNELIO C. BAUTISTA JR.
 Signature Over Printed Name of Chief Accountant/ Head of Accounting Division/Unit

ORS/BURS No.: _____
 Date of the ORS/BURS: _____
 Amount: _____

End-User: CET



PROCUREMENT OFFICE
 Email: procurement@nwssu.edu.ph
 TELEFAX PLDT - (055) 2093122
PURCHASE ORDER

Supplier: HEXATRONICS MARKETING		P.O. No.: 2021-12-634			
Address: PONEVE BUS. CTR., GOV. LUGAY AVE., MANGGA II, BRGY. MATATALAIB, TARIAC CITY		Date Received: 31 Dec 21			
TEL: 406-444-552-000		P.P. No.: 2021-11-483			
Gentlemen:		Mode of Procurement: Public Bidding			
This is our CONTRACT, please furnish this Office the following articles subject to the terms and conditions contained attached herein. "Suit" arising from this Contract shall only be filed in the appropriate trial courts in the City of Cebu, to the exclusion of all other courts.					
Place of Delivery: Supply Office, NwSSU-Main Campus, Calbayog City		Delivery Term: 45 dd.			
Date of Delivery: Commence upon receipt of NTP		Payment Term:			
Stock/Property No./Item No.	Unit	Description	Quantity	Unit Cost	Amount
		<ul style="list-style-type: none"> • Shunt-Series Multistage Amplifier Output Impedance • Differential Amplifier Operation • Single-Ended and Differential Gain Characteristics • Common Mode Gain and Rejection Ratio • Troubleshooting Basics • Troubleshooting Feedback Amplifier Circuits 			
2.10		Dual Trace Dual Channel Digital Oscilloscope Characteristics: <ul style="list-style-type: none"> • The 150MHz bandwidth: • Real-time sampling rate up to 1GSa/s, Equivalent-time sampling rate up to 50GSa/s • Memory Depth up to 2Mpts • Trigger types: Edge, Pulse, Video, Slope, Alternate • Waveform math functions: +, -, *, /, FFT • 6 digital frequency counter • Supports Multi-language display and embedded online help • Screensaver from 1 minute to 5 hours • Digital filter and waveform recorder function • Shortcut storage function key • 7 inch TFT-LCD display with 800 * 480 resolution • Multiple Interfaces: USB Host, USB Device (USBTMC), LAN (VXI-11), Pass / Fail Warranty, Terms and Conditions: <ul style="list-style-type: none"> • 2-years product warranty • 10 years availability of spare parts Bidders must submit the following: <ul style="list-style-type: none"> • Technical specifications details or technical data indicating the brand name and model of item/s as additional technical requirements • After sales training at Northwest Samar State University after completion of delivery. • Distributor certificate <p style="text-align: center;">-Nothing follows-</p> <p style="text-align: center;">-page 9 of 9-</p>	2	153,100.00	306,200.00
<i>Page 1 Subtotal</i>					187,800.00
<i>Page 2 Subtotal</i>					328,000.00
<i>Page 3 Subtotal</i>					170,000.00
<i>Page 4 Subtotal</i>					187,000.00
<i>Page 5 Subtotal</i>					122,000.00
<i>Page 6 Subtotal</i>					134,000.00
<i>Page 9 Subtotal</i>					306,200.00
Total Amount in Words					1,565,000.00
One Million Five Hundred Five Thousand Pesos Only					
In case of failure to make the full delivery within the time specified above, a penalty of one-tenth (1/10) of one percent for every day of delay shall be imposed on undelivered items and/or other possible sanctions to be imposed. No delivery within the contract duration, the University has the right to cancel the P.O.					
Confirms:			Very truly yours:		
 HEXATRONICS MARKETING Signature Over Printed Name of Supplier 12/31/2021 Date			 BENJAMIN L. DECAYO, Ed.D. University President		
Food Cluster: _____			ORS/BURS No.: _____		
Funds Available: _____			Date of the ORS/BURS: _____		
 CORNELIO C. BAUTISTA, JR. Signature Over Printed Name of Chief Accountant/Head of Accounting Division/Unit			Amount: _____		
End-User: CET					



CONTRACT AGREEMENT

THIS AGREEMENT made the _____ day of _____ 20____ between **Northwest Samar State University** of Calbayog City, Samar, Philippines (hereinafter called "the Entity") represented by **BENJAMIN L. PECAYO, Ed.D., University President** of the one part and **HEXATRONICS MARKETING** of Gov. Lugay Avenue, Tarlac City, Tarlac (hereinafter called "the Supplier") of the other part;

WHEREAS, the Entity invited Bids for certain goods and ancillary services, particularly "**LABORATORY EQUIPMENT FOR THE COLLEGE OF ENGINEERING AND TECHNOLOGY (CET) OF NWSSU-MAIN CAMPUS**" (Lot 3: Procurement of FACET) with PR No. 2021-11-483 and has accepted a Bid by the Supplier for the supply of those goods and services in the sum of **ONE MILLION FIVE HUNDRED FIVE THOUSAND PESOS ONLY (₱1,505,000.00)** (hereinafter called "the Contract Price").

NOW THIS AGREEMENT WITNESSETH AS FOLLOWS:

1. In this Agreement words and expressions shall have the same meanings as are respectively assigned to them in the Conditions of Contract referred to.
2. The following documents as required by the 2016 revised Implementing Rules and Regulations of Republic Act No. 9184 shall be deemed to form and be read and construed as integral part of this Agreement, viz.:

- i. Philippine Bidding Documents (PBDs);
 - a. Schedule of Requirements:
Delivery Schedule: Forty five (45) calendar days;
 - b. Technical Specifications;
 - c. General and Special Conditions of Contract; and
 - d. Supplemental or Bid Bulletins, if any
- ii. Winning bidder's bid, including the Eligibility requirements, Technical and Financial Proposals, and all other documents or statements submitted;

Bid form, including all the documents/statements contained in the Bidder's bidding envelopes, as annexes, and all other documents submitted, including corrections to the bid, if any, resulting from the Procuring Entity's bid evaluation;

- iii. Performance Security;
- iv. Notice of Award of Contract; and the Bidder's conforme thereto; and
- v. Other contract documents that may be required by existing laws and/or the Procuring Entity concerned in the PBDs. Winning bidder agrees that additional contract documents or information prescribed by the GPPB that are subsequently required for submission after the contract execution, such as the Notice to Proceed and Warranty Security.

3. In consideration for the sum of ONE MILLION FIVE HUNDRED FIVE THOUSAND PESOS ONLY (₱1,505,000.00) or such other sums as may be ascertained, **HEXATRONICS MARKETING** agrees to **Supply, Deliver including Installation and Training for the Procurement of FACET (Lot 3)** in accordance with his/her/its Bid.
4. The Northwest Samar State University agrees to pay the above-mentioned sum in accordance with the terms of the Bidding.

Hexatronics Marketing
 By:
CYNDEE B. CANLAS
 Owner/Proprietor

Northwest Samar State University
 By:
BENJAMIN L. PECAYO, Ed.D.
 University President




Republic of the Philippines
 Northwest Samar State University
 Rueda St., Calbayog City 6710
 Website: <http://www.nwssu.edu.ph>
 Email: main@nwssu.edu.ph
 Telefax: (055) 2093657



5. Suit/s arising from this Contract shall only be filed in the appropriate trial courts in the City of Calbayog, to the exclusion of all other courts.

IN WITNESS whereof the parties hereto have caused this Agreement to be executed in accordance with the laws of the Republic of the Philippines on the day and year first above written.


BENJAMIN L. PECAYO, Ed.D.
 University President


CYNDEE B. CANLAS
 Owner/Proprietor

for:

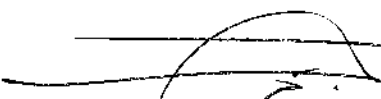
for:


Northwest Samar State University

Hexatronics Marketing

WITNESS

Certified funds availability:


RAMIL S. CATAMORA, Ed.D.
 Vice President, Administrative Affairs


CORNELIO C. BAUTISTA JR., CPA
 Accountant III


 Supplier's Witness

ACKNOWLEDGEMENT


REPUBLIC OF THE PHILIPPINES
 (City of TARLAC CITY) S.S.

BEFORE ME, a Notary Public for and in the City and Province of TARLAC CITY this 31 DEC 2021, 2021 appeared BENJAMIN L. PECAYO, Ed.D. with Res. Cert. No. 09044172 Issued at/on Calbayog City/February 5, 2021 and CYNDEE B. CANLAS with License No. C11-14-014093 issued on 01-25, 2017 at TARLAC and TIN 406444582000 known to me and to me known to be the same persons who executed the foregoing instrument and acknowledged to me that the same are their own free and voluntary deed.

The instrument refers to CONTRACT FOR LABORATORY EQUIPMENT FOR THE COLLEGE OF ENGINEERING AND TECHNOLOGY (CET) OF NWSSU-MAIN CAMPUS (LOT 3) consisting of two (2) pages including this page where acknowledgement is written has been signed by the parties and their instrumental witnesses.

IN WITNESS WHEREOF, I have hereunto set my hands the day, year and place written above.

No. 227
 Page No. 46
 Book No. 2
 Series of 2021


ATTY. RUTH HAZEL A. GALANG
 NOTARY PUBLIC
 UNTIL 12/31/2022

Roll No. 74091 IBP Tarlac City
 PTR No. 5182981, 01/04/2021
 IBP No. 142915, 01/07/2021, Tarlac
 MCLE Exempt, Admitted to the Bar on 07/07/20