

CONTRACT AGREEMENT

FOR THE

**PROCUREMENT OF TECHNICAL LABORATORY EQUIPMENT FOR NORSU
BAYAWAN-STA.CATALINA, GUIHULNGAN AND MAIN CAMPUSES (BATCH 1)**

For Item:

- 1: Combined Rice Mill Machine (1 unit);
- 5: Feed Pelletizer with electric motor (1 unit); and
- 16: Multi-Process Welder with Cross line (1 Unit)

THIS CONTRACT is made and entered into this 28 day of DEC 2020, 2020 by and between:

NEGROS ORIENTAL STATE UNIVERSITY, a State University organized and existing under and by virtue of the laws of the Republic of the Philippines, with principal office address at Kagawasan Ave., Main Campus, Dumaguete City, Negros Oriental, Philippines, duly represented by **DR. JOEL P. LIMSON**, hereinafter referred to as **OWNER**.

and

ANDSONS EDUCATIONAL RESOURCES INC., of L2 B22 Sicily St. Pallas Athena Executive Village, Imus Cavite, duly represented by **MR. ROMEO O. ANDRADE** by virtue of a *Secretary's Certificate* dated July 10, 2020 authorized by *Corporate Secretary*, **Earl Joseph C. Andrade**, hereinafter referred to as **SUPPLIER**.

WITNESETH:

WHEREAS, a public bidding was conducted on July 17, 2020 at the BAC Office of Negros Oriental State University, Kagawasan Avenue, Dumaguete City for the **Three (3) items** under the project "**Procurement of Technical Laboratory Equipment for NORSU Bayawan-Sta.Catalina, Guihulngan and Main Campuses (Batch 1)**";

WHEREAS, the NORSU Bids and Awards Committee recommended to the University President that the project shall be awarded to **ANDSONS EDUCATIONAL RESOURCES INC.**, its offer being the most advantageous to the Philippine Government;

WHEREAS, time is the essence of this contract;

NOW, THEREFORE, for and in consideration of the foregoing premises and other covenants hereinafter named, the parties agree as follows:

ARTICLE I. CONTRACT DOCUMENTS

The following documents shall be attached, deemed to form, and be read and construed as integral part of this Agreement, to wit:

- (a) The Bid Form and the Price Schedule by the Bidder;
- (b) The Schedule of Requirements;
- (c) The Technical Specifications;
- (d) The General Conditions of Contract;
- (e) The Special Conditions of Contract;
- (f) The Performance Security; and
- (g) Eligibility requirements, documents and/or statements;
- (h) Performance Security;
- (i) Notice of Award of Contract and the Bidder's conforme thereto;
- (j) Abstract of Bids
- (k) Resolution of the BAC recommending the award of the project to the winning bidder;
- (l) Other contract documents that may be required by existing laws and/or the Entity.

ARTICLE II – SCHEDULE OF REQUIREMENTS

The inclusions in the delivery of the items in this contract are as follows:

1. ITEM 1: Combined Rice Mill Machine (1 unit)

Weight : at least 78kg
Certification: ISO
Functions: Whitener, grinder, crusher, grader
Broken rate: less than 10%
Production Capacity: at least 180kg./hr
Motor: at least 2 HP
Power Required: 220 v, 60 hz (Electric motor)
Crusher
Rotor diameter: at least 190mm
Rotary speed: at least 5500 rpm
Productivity: at least 250 kg/hr
Rice Mill
Roller diameter: at least 60 mm
Rotary Speed: at least 1500
Production: at least 150 kg/hr

Note:

- * All machineries include delivery costs and training to be done in the campus
- * One year warranty on the machine and engine

Place of Delivery: NORSU Bayawan-Sta. Catalina Campus, Bayawan City

2. ITEM 5: Feed Pelletizer with electric motor (1 unit)

Specifications:

Capacity: at least 60 kg/hr
Power: at least 3KW
Die Diameter: at least 120 mm

Note:

- * All machineries include delivery costs and training to be done in the campus
- * One year warranty on the machine and engine

Place of Delivery: NORSU Bayawan-Sta. Catalina Campus, Bayawan City

3. ITEM 16: Multi-Process Welder with Crossline multi-operation welding system (1 unit)

Output: cc/cv mode, DC polarity, 10-815 current range (amps)
Process: stick, TIG, MIG, flux-cord, submerged arc, arc gauge process
Input: 3 phase 220 volts, 60 hertz
Others: with consumables and all accessories, welding gears

- *With free delivery, installation and training
- *1 year warranty

Place of Delivery: NORSU Main Campus, Dumaguete City

**Please see attached brochure submitted in "ANNEX 4".*

ARTICLE III – DELIVERY, INSPECTION AND TESTING

The work to be performed by the SUPPLIER under this contract shall commence after seven (7) calendar days upon receipt and acceptance of the Notice to Proceed from NORSU by the SUPPLIER. The delivery of three (3) items under project: “**Procurement of Technical Laboratory Equipment for NORSU Bayawan-Sta.Catalina, Guihulngan and Main Campuses (Batch 1)**” shall be completed within **Sixty (60) calendar days** upon receipt of Notice to Proceed.

Intensive testing should be done by the SUPPLIER together with the authorized representatives (including the end-user) of the OWNER to achieve functionality and benefits of the equipment. The SUPPLIER must provide an actual result of the testing of the hardware validated by the end-user.

ARTICLE IV – WARRANTY

The warranty period for the contract shall be one (1) year from the receipt of Certificate of Final Acceptance by the end-user. The SUPPLIER hereby warrants compliance with the requirements stipulated under this contract.

ARTICLE V – MAINTENANCE/TECHNICAL SUPPORT

During the warranty period, the SUPPLIER shall provide at least one (1) Certified Specialist /Expert in his/her employ to service the said equipment on site, in case of malfunctioning or any other related problem wholly or partly attributable to the operating condition of said equipment.

On call support shall be available 24 hours a day, 7 days a week. A one (1) hour response from time of the call (through telephone/mobile call) shall be provided by the winning bidder for trouble shooting.

Onsite support must have a response time of not more than eight (8) hours from the time of the call in cases of on call/phone support could not solve the problem.

On hardware repair, testing shall be done on-site to know the extent of the problem. Travel and other incidental expenses of responding Expert/specialist shall be borne by the SUPPLIER. During warranty period, all parts beyond repair shall be intensive testing should be done by the SUPPLIER together with the authorized representatives (including the end user) of the OWNER to achieve functionality and benefits of the equipment. The SUPPLIER must provide an actual result of the testing of the hardware validated by the end-user.

ARTICLE VI – TECHNOLOGY TRANSFER

When needed, the SUPPLIER may provide technology transfer/in-depth technical training to SUPPLIER’S authorized personnel/staff, free of charge. Equipment testing and checking will be done at this point before final delivery. Training shall commence before issuance of Certificate of Acceptance by OWNER.

ARTICLE VII – THE CONTRACT SUM

The OWNER for and in consideration of the faithful and satisfactory fulfillment of the contract by the SUPPLIER in accordance with the terms and conditions of all contract documents and subject to the deduction herein provided, shall pay to the SUPPLIER in Philippine Currency in the amount below:

ITEMS/DESCRIPTION	Total Amount in Figures	Total Amount in Words
NORSU Bayawan-Sta, Catalina Campus		
1. Combined Rice Mill Machine (1 unit)	294,982.00	Two Hundred Ninety-Four Thousand Nine Hundred Eighty-Two Pesos Only
5. Feed Pelletizer with electric motor (1 unit)	141,960.00	One Hundred Forty-One Thousand Nine Hundred Sixty Pesos Only
NORSU Main Campus		
16. Multi-Process Welder with Cross line (1 Unit)	178,464.00	One Hundred Seventy-Eight Thousand Four Hundred Sixty-Four Pesos Only
	615,406.00	Six Hundred Fifteen Thousand Four Hundred Six Pesos Only.

Billing shall commence after the issuance of the Certificate of Final Acceptance by the end-user.

ARTICLE VIII – PERFORMANCE SECURITY

In accordance with the Instruction to Bidders and General Conditions of the contract, the SUPPLIER shall furnish and file per acceptance to the OWNER a Performance Security in accordance with Section 39 of the Revised Implementing Rules and Regulations of RA 9184 to guaranty the full and faithful performance of this Agreement to answer for any liability that maybe suffered by the OWNER resulting from the violation of the SUPPLIER of labor laws and other laws. PROVIDED, that in the event of the recession or termination of this contract for breach thereof, the Performance Security, at the option of the OWNER shall be automatically forfeited in favor of the OWNER and becomes immediately payable and collectible by the OWNER, otherwise, the Performance Security shall remain and continue in full force until the aforementioned obligations as to the completion and faithful compliance of the contract, liquidated damages and cost of labor and materials shall have been duly satisfied, discharged, settled and paid by the SUPPLIER.

The Performance Security shall be denominated on Philippine Pesos and posted in favor of the OWNER in an amount equal to the following schedule:

Form of Performance Security	Amount of Performance Security (Equal to Percentage of the Total Contract Price)
a) Cash or cashier's/manager's check issued by a Universal or Commercial Bank. For biddings conducted by LGUs, the cashier's/manager's check may be issued by other banks certified by the BSP as authorized to issue such financial instrument.	Five percent (5%)
b) Bank draft/guarantee or irrevocable letter of credit issued by a Universal or Commercial Bank: Provided, however, That it shall be confirmed or authenticated by a Universal or Commercial Bank, if issued by a foreign bank. For biddings conducted by LGUs, bank draft/guarantee, or irrevocable letter of credit may be issued by other banks certified by the BSP as authorized to issue such financial instrument. (a)	
c) Surety bond callable upon demand issued by a surety or insurance company duly certified by the Insurance Commission as authorized to issue such security.	Five percent (30%)

ARTICLE IX – LIQUIDATED DAMAGES

Should the SUPPLIER refuse to satisfactorily comply with its undertakings, and is hereby in default under this contract, the SUPPLIER shall be liable for damages for the delay and shall pay the OWNER for liquidated damages and not by way of penalty, an amount equivalent to one-tenth (1/10) of one percent (1%) of the cost of unperformed portion thereof, for every day of delay until the same is finally performed/completed and accepted by the OWNER.

It is understood that the damages herein provided are fixed and agreed liquidated damages and to be entitled to such damages, the OWNER need not prove that it has incurred actual damages. Such amount shall be deducted from any money due or which may become due to SUPPLIER.

under the contract and/or collect such liquidated damages from the performance security posted by the SUPPLIER, whichever is convenient to the OWNER.

In no case, however, shall the total sum of liquidated damages exceed ten percent (10%) of the total contract price, in which event the contract shall automatically be terminated by the OWNER and the erring SUPPLIER'S performance security shall be forfeited. The amount of the forfeited performance security shall be set aside from the amount of the liquidated damages that the SUPPLIER shall pay OWNER under this section and the other appropriate sanctions that may be imposed to the former.

ARTICLE X – SUPPLIER'S LIABILITY

The SUPPLIER shall assume full responsibility, agrees and binds itself to indemnify the OWNER for any loss, damage, destruction and/or injury that may be incurred the during period of delivery until the period of acceptance for acts attributed to negligence, fault, misconduct or unlawful acts of the SUPPLIER and its personnel.

ARTICLE XI – CANCELLATION/TERMINATION OF CONTRACT

The OWNER has the right to terminate or cancel the contract without need of judicial action at any time on reasonable grounds, such as, but not limited to: unsatisfactory service and performance or violation of the terms and conditions of this contract, by giving the SUPPLIER at least fifteen (15) calendar days of written notice in advance to that effect, which Notice shall be final and binding on all parties.

Within thirty (30) days after the termination, cancellation, or rescission of this contract, the parties shall settle their respective accountabilities as of the date of termination, cancellation, or rescission.


ARTICLE XII – VENUE OF COURT ACTION

Should any court action be instituted by the NORSU or SUPPLIER arising from this contract, the parties hereby agree that the venue thereof shall be the proper court in the province of Negros Oriental.

DEC 28 2020 IN WITNESS WHEREOF, the parties have hereunto set their hands this ____ day of _____ 2020 at NORSU Main Campus I, Kagawasan Avenue, Dumaguete City, Philippines.

NEGROS ORIENTAL STATE UNIVERSITY
Kagawasan Avenue, Dumaguete City

ANDSONS EDUCATIONAL RESOURCES INC.
St. Pallas Athena Executive Village, Imus Cavite


JOEL P. JIMSON, Ph.D.
University President
OWNER


ROMEO O. ANDRADE
Authorized Representative/General Manager
SUPPLIER

Signed in the Presence of:

FRANCIS M. GALON, Ph.D./FERDINAND O. MASBAD, Ph.D.
End Users


ALOUPA ANN C. TORREDO

ACKNOWLEDGMENT

Republic of the Philippines]
Province of Negros Oriental } S.S
City of Dumaguete]

28 DEC 2020

BEFORE ME, a Notary Public, for and in the City of Dumaguete, Philippines, this ___ day of _____ 2020, personally appeared the parties with their competent evidence of identity which bears their pictures and signatures, to wit:

Name	Identification Card/No.	Valid Until
ROMEO O. ANDRADE		
JOEL P. LIMSON, Ph. D.		

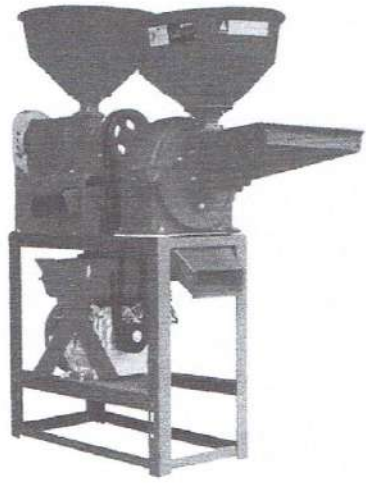
That they are the same persons who executed the foregoing instrument and acknowledged that the same is their free and voluntary act and deed consisting of Ten (10) pages including this page whereon this acknowledgement is written, is signed by the parties and their instrumental witnesses on each and every page thereof and sealed with my Notarial Seal.

WITNESS MY HAND AND SEAL, on the date and place above written.

Doc. No. 61;
Page No. 14;
Book No. XI;
Series of 2020

D. B. V.
ATTY. SAMSODIN T. TAHIR
NOTARY PUBLIC FOR DUMAGUETE CITY, SIBULAN,
VALENCIA, BACONG, DAUIN, ZAMBOANGUITA
AND SIATON - NEGROS ORIENTAL
SERIAL NO. 2019 C10, UNTIL DEC. 31, 2020
ROOM 405, SILLIMAN PORTAL WEST BLDG, DGTE. CITY
ROLL OF ATTORNEYS NO. 40206
PTR NO. 2447726, 01/08/2020, DGTE. CITY
IBP LIFETIME NO. 07682, 06/27/2003, NEG. OR.

COMBINED RICE MILL MACHINE



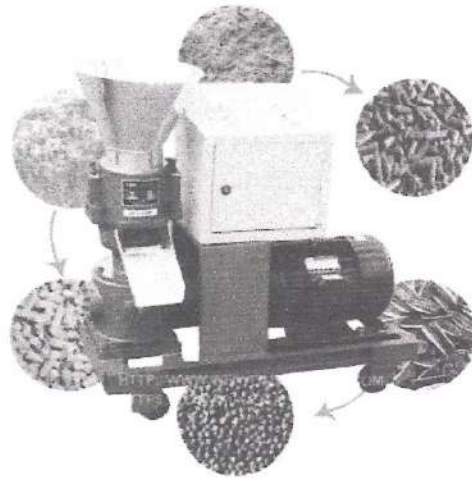
Specifications:

Production Capacity (kg)	Rice >= 165-200kg/hr Millet >= 120-150kg/hr
Certification	ISO9001:2008, CCC
Power Required (hp)	Electric Motor Gasoline Engine Diesel Engine
Voltage	220v
Machine Size (L*W*H) mm	1320x300x1130 (mm) (w/ electric motor)
Packing Size (L*W*H) mm	630x580x350 (mm) (w/o electric motor)
Spindle Speed (rpm)	1400-1600 rpm
Net Weight (kg)	50kg (w/o electric motor)
Electricity Consumption	10.9 Kw.t/h

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FEED PELLETIZER WITH ELECTRIC MOTOR



Specifications

Voltage: 220V

Power(W): 2.2kw

Dimension(L*W*H): 680*320*750mm

Weight: 50 kg

Pellet feed mill

Application: Grain Feed

Usage: Animal Poultry Livestock Pellet Making Machine

Capacity:

60-80kg/h

Material: Alloy Steel

Die Diameter (mm)	Production Efficiency (kg/h)	Motive Power (kw)	Weight (kg)
120	60-80	3	50

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Handwritten signature

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MULTI-PROCESS WELDER WITH CROSSLINE



Specifications

Multi-operation welding system

- Output: cc/cv mode,

DC polarity. 10 - 815 current - range (amps)

Process: stick, TIG, MIG, flux-cord, submerged arc, - arc gauge process

- Input: 3 phase 220 volts, 60 hertz

- Others: with consumables and all accessories,

- Welding gears

- With installation and training

Signature

Signature

Signature

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ANDSONS EDUCATIONAL RESOURCES INC.

BLOCK 22, LOT 2 SICILY STREET, PALLAS ATHENA EXECUTIVE VILLAGE
IMUS CITY CAVITE, PHILIPPINES 4103
Tel: (046) 436-7106

10 July 2020

THE BIDS AND AWARDS COMMITTEE

Negros Oriental State University
Main Campus 1, Dumaguete City
Negros Oriental, Philippines

Subject: After-Sales-Service and Spare Parts
Reference: GOOD2020-00-04(a)
Procurement of Technology Laboratory Equipment for NORSU Bayawan-Sta.
Catalina, Guihulngan and Main Campuses (Batch 1)


Dear Sir/ Madam,

In case of an award, we will provide after-sales-service and required spare parts as stipulated in the Contract.

This is in compliance with the requirements of the bidding.

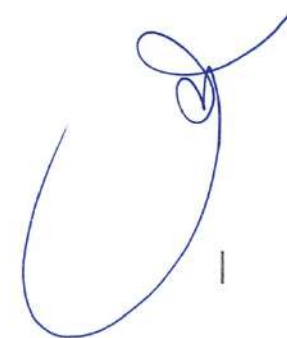
Truly yours,

ANDSONS EDUCATIONAL RESOURCES INC.


ROMEO O. ANDRADE
General Manager







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CONTRACT AGREEMENT

FOR THE

**PROCUREMENT OF TECHNICAL LABORATORY EQUIPMENT FOR NORSU
BAYAWAN-STA.CATALINA, GUIHULNGAN AND MAIN CAMPUSES (BATCH 1)**

For Items:

9. Electro-Pneumatic Circuit Board and Accessories (1 set);
10. Electro-Pneumatic with PLC (Electro Pneumatic Training Station (1 set)
12. Embedded System Training Kit (1 set);
- 13 Automotive Power Train Training Equipment DOHC (1 Unit); and
14. Automotive Engine Fault Diagnosis Simulator (1 Unit)

THIS CONTRACT is made and entered into this DEC 28 2020 day of 2020 by and between:

NEGROS ORIENTAL STATE UNIVERSITY, a State University organized and existing under and by virtue of the laws of the Republic of the Philippines, with principal office address at Kagawasan Ave., Main Campus, Dumaguete City, Negros Oriental, Philippines, duly represented by **DR. JOEL P. LIMSON**, hereinafter referred to as **OWNER**.

and

HUMIL INTERNATIONAL CORPORATION, of 419 Alegria St. Sampaloc, Manila, duly represented by **ULEYSIS P. CABANGISAN** by virtue of a *Secretary's Certificate* dated July 9, 2020 authorized by *Corporate Secretary*, **Dolores N. Bongat**, hereinafter referred to as **SUPPLIER**.

WITNESETH:

WHEREAS, a public bidding was conducted on July 17, 2020 at the BAC Office of Negros Oriental State University, Kagawasan Avenue, Dumaguete City for the **Five (5) items** under the project "**Procurement of Technical Laboratory Equipment for NORSU Bayawan-Sta.Catalina, Guihulngan and Main Campuses (Batch 1)**";

WHEREAS, the NORSU Bids and Awards Committee recommended to the University President that the project shall be awarded to **HUMIL INTERNATIONAL CORPORATION**, its offer being the most advantageous to the Philippine Government;

WHEREAS, time is the essence of this contract;

NOW, THEREFORE, for and in consideration of the foregoing premises and other covenants hereinafter named, the parties agree as follows:

ARTICLE I. CONTRACT DOCUMENTS

The following documents shall be attached, deemed to form, and be read and construed as integral part of this Agreement, to wit:

- (a) The Bid Form and the Price Schedule by the Bidder;
- (b) The Schedule of Requirements;
- (c) The Technical Specifications;
- (d) The General Conditions of Contract;
- (e) The Special Conditions of Contract;
- (f) The Performance Security; and
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- (h) Performance Security;
- (i) Notice of Award of Contract and the Bidder's conforme thereto;
- (j) Abstract of Bids
- (k) Resolution of the BAC recommending the award of the project to the winning bidder;
- (l) Other contract documents that may be required by existing laws and/or the Entity.

ARTICLE II – SCHEDULE OF REQUIREMENTS

The inclusions in the delivery of the items in this contract are as follows:

1. ITEM 9: Electro-Pneumatic Circuit Board and Accessories (1 set)

Specifications:

- 1 pc Service Unit
Pressure range: 0.5 ~10 bar
air filter, lubricator, press regulating valve
shut off valve
filter degree : 40 µm
size of connector: G1/4
flow rate: 750ℓ/min
- 1 pc Air Distributor
pressure range : 0~10 bar
input : 1ea
output : 8ea, check connector inc.
one-touch connector
- 1 pc Single-acting cylinder
pressure range : 0.5 ~8.5 bar
inner diameter : Ø25
stroke : 50mm
thrust force(6bar): 25kgf
return thrust force : 2.4kgf
magnetic for sensor detection
- 2 pcs Double-acting cylinder, cushion/proximity switch
pressure range : 0.5 ~9.8 bar
electric proximity switch : 2 ea
inner diameter : Ø25
stroke : 125mm
thrust force(6bar): 26.7kgf/cm
return thrust force : 22kgf/cm
magnetic for sensor detection
- 10 pcs T-Connector
pressure range : 0 ~9.8 kgf/cm
hose size: 6mm
- 4 pcs One-way flow control valve
pressure range : 0.3 ~10 bar
1(A) →2(B) : 0~180 ℓ/min
2(B) →1(A) : 180/110 ℓ/min
- 1 pc 3/2-way solenoid valve (N/C)
pressure range: 0.5~9.8 bar
response time : 20 ms
N/C valve
return: spring
LED and protection circuit
- 2 pcs 5/2-way single solenoid valve
pressure range: 0.5~9.8 bar
response time : 20 ms
LED and protectionn circuit
return: spring + pilot
- 2 pcs 5/2-way double solenoid valve
pressure range: 0.5~9.8 bar
response time : 20 ms
LED and protectionn circuit
- 1 pc Pressure switch
pressure range: 0.5~9.8 bar
adjustable pressure
pressure display
- 1pc Push Button Switch Set (3-fold)
Power: DC 24AV
Consist of : 2 momentary push-buttons, 1 locking
Push-button
Contact : 2 a --<: crUct, 2 b-contact
Contact allowable: Max. 1A

- Power consu: 0.48W
- 2 pcs Relay, 3-fold
power : DC24V
Contact : 4 C-contact
Contact load: Max. 5A
Allowed Load : Max. 90W
operating time: 10ms
block time: 8ms
- 1pcs Optical Sensor
switching power: DC10~30V
switching distance : 200 mm
switching frequency : MAX 800Hz
output contact : N/O contact, PNP
output current: Max.400mA
- 2 pcs Limit switch, electrical, left-actuated
contact : DC 24V, 5A
Contact : 1c
switching frequency: MAX 200Hz
roller lever electric switch
- 2 pcs Limit switch, electrical, right-actuated
contact : DC 24V, 5A
Contact : 1c
switching frequency: MAX 200Hz
roller lever electric switch
- 10 pcs Plastic Hose
operating temperature : -40°C~60°C
Color : Blue
size : outside 4mm, inside 2.5mm
- 1 pc Hose Cutter
PVC Grip
cuHer
Type : 190mm
Cutting mannaJ :Pilr Hose (o-16mm)
- 1 pc Cable Set (Safety Socket)
Round plate diameter : 400mm
Height : 1100 - 1800 mm adjustable type
Cable hanger : 16 holes
Castor : 5 ea
- 1 pc Power Supply
Power : AC 220V
output power : DC 24V
output current: 5A

Includes:

- 1 unit Working table
1 unit Single - 4 layered drawer
1 unit BLOCK TYPE PLC TRAINER with EPROM programmer
1unit Air compressor

Place of Delivery: NORSU Bayawan-Sta. Catalina Campus, Bayawan City

Brand Offered: ANIVYS

2. ITEM 10: Electro-Pneumatic with PLC (Electro Pneumatic Training Station (1 set)

Training Content

Basic principle and physical fundamentals of pneumatics
Structure, function and application of pneumatics cylinders & components.
Fundamentals and terminology of pneumatic control technology
Calculating basic parameters
Direct and indirect control for actuators
Composition with pure pneumatic control circuit
Speed & pressure control of pneumatic actuators
Programmed control with a sequencer

Specification

- 1 pc Service Unit
-Pressure Range: 0.05~0.85MPa
-Filter degree:40µm
-Size of Connector: G1/4

- 1 pc Pressure Range: 0.05~0.85MPa
 - Max. pressure: 1.0MPa
 - Flow Rate: 800_/min.
- 1 pc Manifold
 - 1 Input por:6mm
 - 8 self-closing non-return valve
- 1 pc Single Acting Cylinder
 - Pressure Range: 0.18~1.0MPa
 - Return thrust [0.6MPa]:7.8N
 - Stroke length: 50mm
 - Thrust [0.6 MPa]:25kgf
- 1 pc Double-Acting Cylinder
 - Pressure Range: 0.05~1.0MPa
 - Return thrust [0.6MPa]: 132N
 - Stroke length:100mm
 - Thrust [0.6MPa]:157kgf
- 1 pc Double-acting cylinder with flow control valve
 - Pressure Range: 0.05~1.0MPa
 - Return thrust [0.6MPa]: 132N
 - Stroke length:100mm
 - Thrust [0.6MPa]:157kgf
- 1 pc Double-acting cylinder with flow control valve & electric proximity switch
 - Pressure Range: 0.05~1.0MPa
 - Return thrust [0.6MPa]: 132N
 - Stroke length:100mm
 - Thrust [0.6MPa]:157kgf
- 1 pc Pneumatic signal converter
 - Pressure range: 0.1~0.4MPa
 - Hysteresis: Less than ± 0.05 MPa
- 1 pc Inductive sensor
 - Switching power: DC10~30V
 - Switching current: 200mA
 - Nominal switching distance: 8mm
- 1 pc Capacity sensor
 - Switching voltage: 10~40V
 - Output current: 200mA
 - Signal sequence: 30/s
 - Standby delay: less 100ms
- 1 pc Optical sensor
 - Switching voltage: 10~30V
 - Output current: 100mA
 - Sensing distance: 1~140mm
 - Operating range: 1~100mm
 - Signal sequence: min 1000/s
- 2 pcs Electrical limit switch (right)
 - Contact set: 1Change-over
 - Switching frequency: max 200Hz
 - Roller lever type electric limit switch
- Electrical limit switch (left) 2
 - Contact set: 1Change-over
 - Switching frequency: max 200Hz
 - Roller lever type electric limit switch
- Power supply 1
 - Input power 220AC
 - Output power: 24V DC Output current: max 5A
- One-way flow control valve 1
 - Pressure Range:0.05~1.0MPa
 - 1[A]→2[B](Control flow): 250_/min
 - 2[B]→1[A](Free flow): 340_/min
- Pressure gauge 1
 - Pressure Range: 0~1.0MPa
 - Bourdon tube
 - Size: $\phi 42$
- 1 set Spare parts
- 1 pc 3/2 way solenoid valve (N/C)
 - Pressure Range: 0.15~0.7MPa
 - Response Time: 30ms
 - N/C valve
 - Return: Air
 - LED and Protection Circuit
- 1 set 5/2 way solenoid valve
 - Pressure Range: 0.15~0.7MPa
 - Response Time: 19ms
 - Return: Air (Internal pilot)
 - LED and Protection Circuit

- 1 pc 5/2 way double solenoid valve
 - Pressure Range: 0.1~0.7MPa
 - Response Time: 18ms
 - LED and Protection Circuit
- 1 pc 5/3 way air-act valve, closed mid position (all block)
 - Pressure Range: 0.2~0.7MPa
 - Response Time: 32ms
 - Power: DC 24V
 - LED and Protection Circuit
- 3 pcs 3 Fold Relay
 - Contact set: 4change-over switches
 - Contact load: Max 5A
 - Cut-off load: Max 90W
 - Pick-up time: 10ms
 - Drop-o_ time: 8ms
- 2 pcs Digital time relay
 - Contact set: 2a-2b
 - Contact load: Max 5A
 - Cut-o_ load: Max 100W
 - Delay: 1~10 sec
- 2 pcs Digital counter
 - Contact set: 1Changer-over
 - Contact load: Max 1A
 - Power consumption: 2.4W
 - Counter pulse: Min 20ms
 - Display: 4 digit
- 2 pcs Push button switch set
 - Contact set: 2a-2b
 - Contact load: Max 1A
 - Power consumption: 0.48W
- 1 pc Electricity distributor
 - 8 LED display
 - 2 buzzer
- 2 pcs Emergency switch
 - Actuator: Mushroom-head key with detent ring
 - Contact set: 1a-1b
 - Contact load limit: 8A
- 4 set Cable set
- 1 pc Air Compressor
- 1 unit Double-Side Working Table with Panel
 - Table size: Approx. 1580(W) * 800 (D) * 1750 (H) mm
 - Drawer: 1 set of 4 drawers
 - Inner size – 375 * 625 mm
 - Size – 700 (W) * 430 (D) * 640 (H) mm
 - Divider – 6ea
 - Aluminum Plate: 1ea
 - Size: 1200 (L) * 750 (W)
 - Plate Slot: 25mm
 - Mounting bar for fixing electric devices
 - 4 casters with brake

PLC Trainer

- 1 set PLC Trainer
 - Physical Concepts of PLC
 - Draw Electrical Diagram
 - Electro-Pneumatics Control
 - Motor Control
 - Direct and Indirect Electrical Control
 - Timer and Counter Control
 - Troubleshooting and Safety Conditions:

Specification

- The Kits is complete with Profile panel frame
- 1 pc PLC with 2I/1O with power supply
 - 1 set PLC Programmer with Interface Cable
 - 3 pcs Electrical push buttons
 - 3 pcs Electrical Toggle switch
 - 4 pcs Multi colored lamps
 - 1 pc Electrical buzzer
 - 1 pc Counter
 - 1 pc Timer
 - 2 pcs 5/2 way Single solenoid valve
 - 2 pcs Double acting cylinder with speed controller
 - 1 pc DC motor with gearhead Forward/Reverse/Stop

FWD/REV / STOP
1 pc Power Supply switch

Accessories:

-Power Cord
-PLC programming cable
-Cables
1 pc Power Cord
1 pc PLC Programming Cable
1 set Cable

Miscellaneous

1. Work Book with Sample Exercise
2. Text Book
3. Supply, Delivery, and Installation of Electro-Pneumatic with PLC Equipment at Negros Oriental State University Guihulngan Campus
4. Free trainer's training with certification at supplier's training center before the delivery of equipment.
5. Free instructor's training with certification at Negros Oriental State University Guihulngan Campus upon delivery and installation of equipment.

Warranty

1. One year warranty on equipment and its peripherals.
2. Free product inspection, on request within the warranty period.

Place of Delivery: NORSU Guihulngan Campus, Guihulngan City

Brand Offered: ANIVYS

3. ITEM 12: Embedded System Training Kit (1 set)

1 kit Raspberry Pi3 Training Kit
Raspberry Pi3 with wearable IoT experiment exercises.
Demonstrate basic Wi-Fi and Bluetooth communication techniques.
Multiple module control practice and the project practice by interlocking each sensors.
Compatible with various smart devices through Android application program.
Available for student's self-study using the provided application examples and based on detailed textbooks

Components in the Raspberry Pi3 Training Kit

1. Photo Interrupter Sensor
2. Red LED
3. Vibration Detection Sensor
4. Active Buzzer
5. Green LED
6. 3-Axis Compass Sensor
7. PIR Motion Sensor
8. Arduino mega ADK
9. Soil Moisture Sensor module
10. Smoke Sensor
11. 7-Segment
12. Voice Record
13. Pulse Sensor
14. Raspberry Pi3 + Adapter module
15. Micro SD Card (16G)
16. FAN
17. Buzzer
18. Temperature/Humidity/Light sensor
19. Ultrasonic Sensor
20. LED
21. DC Motor
22. Keypad
23. Camera

Training Content

1. Overview of Raspberry-pi
 - 1.1 Raspberry-pi Introduction
 - 1.2 Raspberry-pi Accessories
 - 1.3 Raspberry-pi Product Configuration and Features
2. Raspberry-pi Development Environment
 - 2.1 Hardware Installation
 - 2.2 Operating System Installation
 - 2.3 Network Settings
3. Raspberry-pi and IoT programming
 - 3.1 GPIO Introduction
 - 3.2 Installing the Library

- 3.3 System development method
- 4. Module Control
 - 4.1 LED Control & Programming
 - 4.2 Switch Control & Programming
 - 4.3 FND Control & Programming
 - 4.4 Motor Control & Programming
 - 4.5 Fan Control & Programming
 - 4.6 Buzzer Control & Programming
 - 4.7 Voice Recording Control & Programming
 - 4.8 Camera Control & Programming
- 5. Sensor Control
 - 5.1 Temperature / Humidity Control & Programming
 - 5.2 Light Sensor Control & Programming
 - 5.3 Soil Moisture Sensor Control & Programming
 - 5.4 Ultrasonic Sensor Control & Programming
 - 5.5 Motion Sensor Control & Programming
 - 5.6 Heart Rate Sensor Control & Programming
 - 5.7 Gas Sensor Control & Programming
- 6. Wi-fi Communication and Android App Development
 - 6.1 Wi-fi communication
 - 6.2 Android App development & Programming
- 7. Smart fan using Wi-fi
 - 7.1 Smart fan design & programming
 - 7.2 Smart fan control
- 8. Design & programming of bridge safety management using Wi-fi
 - 8.1 Design of bridge safety management system
 - 8.2 Control of bridge safety management system
- 9. Digital door lock using Wi-fi
 - 9.1 Digital door lock design & programming
 - 9.2 Digital door lock control
- 10. Intrusion detection system using Wi-fi
 - 10.1 Intrusion detection system design & programming
 - 10.2 Intrusion detection system control
- 11. Flowerpot water management system using Wi-fi
 - 11.1 Flowerpot water management system design & programming
 - 11.2 Flowerpot water management system control
- 12. Fire and gas leakage detection using Wi-fi
 - 12.1 Fire and gas leakage detection system design & programming
 - 12.2 Fire and gas leakage detection system control
- 13. Healthcare using Wi-fi and heart rate sensors
 - 13.1 Health care design & programming using heart rate sensor
 - 13.2 Health care control using heart rate sensor
- 14. Car parking system using Wi-fi and ultrasonic
 - 14.1 Car parking system design & programming using ultrasonic
 - 14.2 Car parking system control using ultrasonic

Hardware Platform Specification

Hardware platform

Raspberry Pi3

- Processor : Broadcom BCM2387 chipset, 1.2GHz Quad-Core, ARM Cortex-A53
- GPU : Dual Core Video Core IVÆ
- RAM : 1GB LPDDR2 SDRAM
- 802.11 b/g/n Wireless LAN
- Composite Video / 1080p HDMI
- Bluetooth 4.1
- 10/100 Ethernet

Arduino ADK : ATmega2560

- Up to 20MIPS Throughput at 20MHz
- Boot Loader (USB-to-Serial program),
- ISP Program
- 256KBytes FLASH, 8KBytes bootloader
- 8KBytes Internal SRAM, 4KBytes EEPROM
- 15-Channel PWM, 16-channel 10-bits ADC
- I2C, 4-UART, 54-Digital I/O

Raspberry Pi3 Adapter board

- UART
- GPIO 40pin connector : for connection with Raspberry Pi3
- Power : +3.3V, 5V
- RS232C support
- I2C support
- UART support
- J5 ~ J8 GPIO support

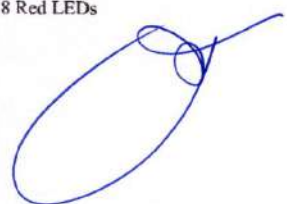
LED module

- 8 Green LEDs / 8 Red LEDs

Buzzer module

Start

Design



- DC SMD Piezzo
- 7-Segment module
 - 6 Digits 7-Segment
- Key PAD module
 - 16 Push Button Switch
- Sensor module
 - CDS Sensor
 - Photo TR
 - Temperature and humidity sensor
- DC FAN module
 - 25mm small size, DC FAN
- DC Motor module
 - Forward / reverse rotation DC Motor
- Photo Interrupter Sensor module
 - Operating voltage: DC 5.0V
 - Power supply needs: 5V
 - Interface type: Digital
- Vibration Detection Sensor module
 - Fast response and High sensitivity
 - Pin Definition: S-Sigal V-VCC G-GND
 - Material: Gold plated
 - Super wide vibration detect range
 - No direction limit
- 3-Axis Compass Sensor module
 - built-in drive circuit
 - I2C digital interface
 - 12-bit ADC and low interference AMR sensor
- PIR Motion Sensor module
 - Block time: 2.5 S(default)
 - Delay time: 5 S(default)
 - Sentry Angle:<110 degree
 - Sentry Distance:3 m(default) - max 7 m
- Pulse Sensor module
 - 24-inch Color-Coded Cable
 - 4 Transparent Stickers
 - 3 holes around the outside edge
 - An Ear Clip, perfectly sized to the sensor
- Ultrasonic Sensor module
 - power supply : 5V DC
 - quiescent current : <2mA
 - effectual angle: <15°
 - ranging distance : 2cm - 500 cm
- Smoke Sensor module
 - Power supply needs: 5V
 - Interface type: Analog
 - Pin Definition: S-Sigal V-VCC G-GND
 - Wide detecting scope
- Soil Moisture Sensor module
 - Power supply: 3.3v or 5v
 - Output voltage signal: 0-4.2v
 - Current: 35mA
 - Pin definition: Analog output(Yellow wire)
- Red LED module
 - Voltage : +3.3-5V
 - Pin Definition : 1 Signal(Yellow) 2 Vcc(Red) 3 GND(black)
- Green LED module
 - Voltage : +3.3-5V
 - Pin Definition : 1 Signal(Yellow) 2 Vcc(Red) 3 GND(black)
- Active Buzzer module
 - Power supply needs : 5V
 - Interface type : Analog
 - Pin Definition: S-Sigal V-VCC G-GND
- Voice Record module
 - Push-button interface
 - Automatic power-dwon mode
 - On-chip 8Ω speaker driver
 - Signal 3V Power Supply
- Camera module
 - Interface : CSI(Camera Serial Interface), FPC 15P Cable
 - Sensor : 5M Pixel
- Micro SD Card
 - Frequency : 2.4GHz
 - 16G Micro SDHC
 - size : 15mm x 11mm
 - Transmission grade : Class 4

for 18

Shreyas

Raspberrypi & IoT Application Example Program

Commercial IoT Cloud Program Operation S/W

- Web user interface : Provides easy administrator screen through web interface
- Support modem / wireless LAN connection management and setting, offline DB interlocking support
- Device management : gateway registration, software distribution management
- Sensor management : Provides the ability to manage (register / modify / delete) and test the sensor
- Security : Secure transmission over SSL, providing user authentication

10 kit Arduino Starter Training Kit

The Starter Kit must walk through the basics of using the Arduino in a hands-on way. Should demonstrate through building several creative projects. The kit should include a selection of the most common and useful electronics components with a laboratory manual. Starting the basics of electronics, to more complex projects, the kit should help control the physical world with sensor and actuators.

Components in the Arduino Starter Training Kit

- Arduino Projects Book
- Arduino UNO Board Rev.3
- USB cable
- Breadboard
- 9V Battery Snap
- Solid core jumper wires
- Stranded jumper wires
- Photocresistor VT90N2 LDR
- Potentiometer 10k Ohms
- Pushbuttons
- Temperature sensor TMP36
- Tilt sensor
- LCD alphanumeric (16x2 characters)
- LED bright white
- LED RGB - common cathode
- LED red
- LED green
- LED yellow
- LED blue
- Small DC motor 6/9V
- Small servo motor
- Piezo capsule PKM12EPP-4001-B0
- H Bridge motor driver L293D
- Optocouplers 4N35
- Transistor BC547
- Mosfet transistor IRF520
- Capacitors 100nF
- Capacitors 100uF
- Diodes 1N4007
- Transparent gels (red, green, blue)
- Male pins strip 40x1
- Resistors 220 Ohms
- Resistors 560 Ohms
- Resistors 1k Ohms
- Resistors 4.7k Ohms
- Resistors 10k Ohms
- Resistors 1M Ohms
- Resistors 10M Ohms

Miscellaneous

Workbook/Training Manual/Laboratory Manual for each Training Kit

Supply, Delivery, and Installation of Embedded Systems Training Kits at Negros Oriental State University Guihulngan Campus

Free trainer's training with certification at supplier's training center before the delivery of equipment.

Free instructor's training with certification at Negros Oriental State University Guihulngan Campus upon delivery and installation of equipment.

1 Unit Digital Storage Oscilloscope 100MHz / 70MHz / 50Mhz

- 100/70/50 MHz Bandwidth, 2 Input Channels
- 250MSa/s Real-Time & 2.5GSa/s Equivalent-Time Sampling Rate
- 4k Record Length per Channel
- Save/Recall of 15 Front Panel Settings & Waveforms
- 5.7" Color TFT LCD Display
- 19 Auto Measurements
- Math Function: Add, Subtract, FFT
- USB Host & Device Ports
- Data Logger

1 Unit Function Generator

- 0.1Hz ~ 5/12/25 MHz with in 0.1 Hz Resolution
- Sine, Square, Ramp, Noise and Arbitrary Waveform
- 20 MSa/s Sampling Rate, 10 bit Vertical Resolution and 4K point Memory for Arbitrary Waveform

NORSU Bayawan-Sta. Catalina Campus		
9. Electro-Pneumatic Circuit Board and Accessories (1 set)	650,000.00	Six Hundred Fifty Thousand Pesos Only.

- 1% - 99% Adjustable Duty Cycle for Square Waveform
- Waveform Parameter Setting Through Numeric Keypad Entry & Knob Selection
- Amplitude, DC Offset and Other Key Setting Information Shown on the 3.5" LCD Screen Simultaneously
- AM/FM/FSK Modulation, Sweep, and Frequency Counter Functions
- USB Device Interface for Remote Control and Waveform Editing
- PC Arbitrary Waveforms Editing Software

Warranty -

1. One year warranty on equipment and its peripherals.
2. Free product inspection, on request within the warranty period.

Place of Delivery: NORSU Guihulngan Campus, Guihulngan City

Brand Offered: GOOD-TGCH

4. ITEM 13 Automotive Power Train Training Equipment DOHC (1 Unit)

1 unit Automotive Power Train Training Equipment DOHC Gasoline Engine/Cut Out Engine

Features:

Educational Model

Efficient to educate each part of function description and operating principle of gasoline engine.

Easy to understand structure and operation principle of manual transmission.

Each incised section is painted with different colors for education efficiency.

It is operated as same as a real vehicle while changing the gear and able to check internal movement by precise cutting.

Power train is able to check wheel movement by drive shaft.

Brake structure and each part of engine area painted specifically.

Composition:

At least 1.3 Liters/1500CC Engine Displacement;

DOHC engine ASSY/4 cylinders;

manual 5 speed transmission and rear 1 assay;

Clutch;

brake system;

AC220V/180W motor;

Engine speed controller;

Emergency switch;

Safety fuse;

Light;

Steel frame with heat treatment painting;

4 wheels brake.

* free delivery, installation and training

* 1 year warranty

Place of Delivery: NORSU Main Campus, Dumaguete City

Brand Offered: GTEE

5. ITEM 14. Automotive Engine Fault Diagnosis Simulator (1 Unit)

Specifications:

Electrical control gasoline engine assembly,

auto fault 1,000cc, control box, fuel tank

(removable), accelerator lever, radiator-only

stand and laser processing protection panel,

vacuum pressure gauge (0.1 Mpa), fuel pressure

gauge (1 Mpa), battery voltage gauge (30V),

drawer type storage space, size: approx. 1,500 x

1,400 x 1,300 mm, weight: approx. 450kg,

w/ electrical and electronic devices such as ECM,

TCM, AFS, CKP, CMP, O2sensor, WTS, Control relay

and etc., w/ injector, fuel filter, fuel tank, DC 12V/

60A battery for vehicles, stainless molding type

safety guard is installed, fault insertion, control

panel open and close feature and 3 stage PCB

board mounted

* With free delivery, installation and training

* 1 year warranty

Place of Delivery: NORSU Main Campus, Dumaguete City

Brand Offered: GTEE

NOTE: Reference of pictures and brochures of above items are included in the Letter J. Technical Component of the bid submitted.

ARTICLE III – DELIVERY, INSPECTION AND TESTING

The work to be performed by the SUPPLIER under this contract shall commence after seven (7) calendar days upon receipt and acceptance of the Notice to Proceed from NORSU by the SUPPLIER. The delivery of *five (5) items* under project: "Procurement of Technical Laboratory Equipment for NORSU Bayawan-Sta.Catalina, Guihulngan and Main Campuses (Batch 1)" shall be completed within Sixty (60) calendar days upon receipt of Notice to Proceed.

Intensive testing should be done by the SUPPLIER together with the authorized representatives (including the end-user) of the OWNER to achieve functionality and benefits of the equipment. The SUPPLIER must provide an actual result of the testing of the hardware validated by the end-user.

ARTICLE IV – WARRANTY

The warranty period for the contract shall be one (1) year from the receipt of Certificate of Final Acceptance by the end-user. The SUPPLIER hereby warrants compliance with the requirements stipulated under this contract.

ARTICLE V – MAINTENANCE/TECHNICAL SUPPORT

During the warranty period, the SUPPLIER shall provide at least one (1) Certified Specialist /Expert in his/her employ to service the said equipment on site, in case of malfunctioning or any other related problem wholly or partly attributable to the operating condition of said equipment.

On call support shall be available 24 hours a day, 7 days a week. A one (1) hour response from time of the call (through telephone/mobile call) shall be provided by the winning bidder for trouble shooting.

Onsite support must have a response time of not more than eight (8) hours from the time of the call in cases of on call/phone support could not solve the problem.

On hardware repair, testing shall be done on-site to know the extent of the problem. Travel and other incidental expenses of responding Expert/specialist shall be borne by the SUPPLIER. During warranty period, all parts beyond repair shall be Intensive testing should be done by the SUPPLIER together with the authorized representatives (including the end user) of the OWNER to achieve functionality and benefits of the equipment. The SUPPLIER must provide an actual result of the testing of the hardware validated by the end-user.

ARTICLE VI – TECHNOLOGY TRANSFER

When needed, the SUPPLIER may provide technology transfer/in-depth technical training to SUPPLIER'S authorized personnel/staff, free of charge. Equipment testing and checking will be done at this point before final delivery. Training shall commence before issuance of Certificate of Acceptance by OWNER.

ARTICLE VII – THE CONTRACT SUM

The OWNER for and in consideration of the faithful and satisfactory fulfillment of the contract by the SUPPLIER in accordance with the terms and conditions of all contract documents and subject to the deduction herein provided, shall pay to the SUPPLIER in Philippine Currency in the amount below:

ITEMS/DESCRIPTION	Total Amount in Figures	Total Amount in Words
NORSU Bayawan-Sta. Catalina Campus		
9. Electro-Pneumatic Circuit Board and Accessories (1 set)	650,000.00	Six Hundred Fifty Thousand Pesos Only.
NORSU Guihulngan Campus		
10. Electro-Pneumatic with PLC (Electro Pneumatic Training Station (1 set)	1,000,000.00	One Million Pesos Only.
12. Embedded System Training Kit (1 set)	550,000.00	Five Hundred Fifty Thousand Pesos Only.
NORSU Main Campus		
13 Automotive Power Train Training Equipment DOHC (1 Unit)	550,000.00	Five Hundred Fifty Thousand Pesos Only.
14. Automotive Engine Fault Diagnosis Simulator (1 Unit)	650,000.00	Six Hundred Fifty Thousand Pesos Only.
	3,400,000.00	Three Million Four Hundred Thousand Pesos Only.

Billing shall commence after the issuance of the Certificate of Final Acceptance by the end-user.

ARTICLE VIII – PERFORMANCE SECURITY

In accordance with the Instruction to Bidders and General Conditions of the contract, the SUPPLIER shall furnish and file per acceptance to the OWNER a Performance Security in accordance with Section 39 of the Revised Implementing Rules and Regulations of RA 9184 to guaranty the full and faithful performance of this Agreement to answer for any liability that maybe suffered by the OWNER resulting from the violation of the SUPPLIER of labor laws and other laws. PROVIDED, that in the event of the recession or termination of this contract for breach thereof, the Performance Security, at the option of the OWNER shall be automatically forfeited in favor of the OWNER and becomes immediately payable and collectible by the OWNER, otherwise, the Performance Security shall remain and continue in full force until the aforementioned obligations as to the completion and faithful compliance of the contract, liquidated damages and cost of labor and materials shall have been duly satisfied, discharged, settled and paid by the SUPPLIER.

The Performance Security shall be denominated on Philippine Pesos and posted in favor of the OWNER in an amount equal to the following schedule:

Form of Performance Security	Amount of Performance Security (Equal to Percentage of the Total Contract Price)
a) Cash or cashier's/manager's check issued by a Universal or Commercial Bank. For biddings conducted by LGUs, the cashier's/manager's check may be issued by other banks certified by the BSP as authorized to issue such financial instrument.	Five percent (5%)
b) Bank draft/guarantee or irrevocable letter of credit issued by a Universal or Commercial Bank: Provided, however, That it shall be confirmed or authenticated by a Universal or Commercial Bank, if issued by a foreign bank. For biddings conducted by LGUs, bank draft/guarantee, or irrevocable letter of credit may be issued by other banks certified by the BSP as authorized to issue such financial instrument. (a)	
c) Surety bond callable upon demand issued by a surety or insurance company duly certified by the Insurance Commission as authorized to issue such security.	Five percent (30%)

ARTICLE IX – LIQUIDATED DAMAGES

Should the SUPPLIER refuse to satisfactorily comply with its undertakings, and is hereby in default under this contract, the SUPPLIER shall be liable for damages for the delay and shall pay the OWNER for liquidated damages and not by way of penalty, an amount equivalent to one-tenth (1/10) of one percent (1%) of the cost of unperformed portion thereof, for every day of delay until the same is finally performed/completed and accepted by the OWNER.

It is understood that the damages herein provided are fixed and agreed liquidated damages and to be entitled to such damages, the OWNER need not prove that it has incurred actual damages. Such amount shall be deducted from any money due or which may become due to SUPPLIER.

under the contract and/or collect such liquidated damages from the performance security posted by the SUPPLIER, whichever is convenient to the OWNER.

In no case, however, shall the total sum of liquidated damages exceed ten percent (10%) of the total contract price, in which event the contract shall automatically be terminated by the OWNER and the erring SUPPLIER'S performance security shall be forfeited. The amount of the forfeited performance security shall be set aside from the amount of the liquidated damages that the SUPPLIER shall pay OWNER under this section and the other appropriate sanctions that may be imposed to the former.

ARTICLE X – SUPPLIER'S LIABILITY

The SUPPLIER shall assume full responsibility, agrees and binds itself to indemnify the OWNER for any loss, damage, destruction and/or injury that may be incurred during the period of delivery until the period of acceptance for acts attributed to negligence, fault, misconduct or unlawful acts of the SUPPLIER and its personnel.

ARTICLE XI – CANCELLATION/TERMINATION OF CONTRACT

The OWNER has the right to terminate or cancel the contract without need of judicial action at any time on reasonable grounds, such as, but not limited to: unsatisfactory service and performance or violation of the terms and conditions of this contract, by giving the SUPPLIER at least fifteen (15) calendar days of written notice in advance to that effect, which Notice shall be final and binding on all parties.

Within thirty (30) days after the termination, cancellation, or rescission of this contract, the parties shall settle their respective accountabilities as of the date of termination, cancellation, or rescission.

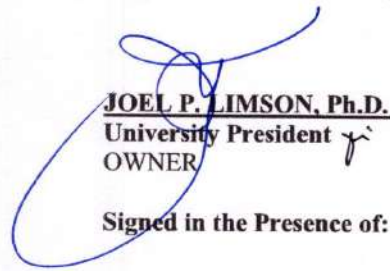
ARTICLE XII – VENUE OF COURT ACTION

Should any court action be instituted by the NORSU or SUPPLIER arising from this contract, the parties hereby agree that the venue thereof shall be the proper court in the province of Negros Oriental.

IN WITNESS WHEREOF, the parties have hereunto set their hands this ____ day of _____ 2020 at NORSU Main Campus I, Kagawasan Avenue, Dumaguete City, Philippines.

NEGROS ORIENTAL STATE UNIVERSITY
Kagawasan Avenue, Dumaguete City

HUMIL INTERNATIONAL CORPORATION.
419 Alegria St. Sampaloc, Manila


JOEL P. LIMSON, Ph.D.
University President
OWNER


ULEYSIS P. CABANGISAN
Authorized Representative/Product Manager
SUPPLIER

Signed in the Presence of:

ENGR.THERESA CATHRINE TUBIL – NORSU BSC/
JESSILTON T. VEJANO – NORSU GUI/
MR. REMEGIO TINGUBAN – NORSU MAIN
End Users


ANGELA JOY BANGAT

ACKNOWLEDGMENT

Republic of the Philippines]
Province of Negros Oriental } S.S
City of Dumaguete]

[Handwritten signature]

BEFORE ME, a Notary Public, for and in the City of Dumaguete, Philippines, this ___ day of 28 DEC 2020 2020, personally appeared the parties with their competent evidence of identity which bears their pictures and signatures, to wit:

Name	Identification Card/No.	Valid Until
ULEYSIS P. CABANGISAN	UMID NO. 0111 - 2993359 - 7	
JOEL P. LIMSON, Ph. D.	NORSU ID 101101	

That they are the same persons who executed the foregoing instrument and acknowledged that the same is their free and voluntary act and deed consisting of Fourteen (14) pages including this page whereon this acknowledgement is written, is signed by the parties and their instrumental witnesses on each and every page thereof and sealed with my Notarial Seal.

WITNESS MY HAND AND SEAL, on the date and place above written.

Doc. No. 64 ;
Page No. 14 ;
Book No. XI ;
Series of 2020

[Handwritten signature]

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[Handwritten initials]

ATTY. SAMSODIN T. TAHIR
 NOTARY PUBLIC FOR DUMAGUETE CITY, SIBULAN,
 VALENCIA, BACONG, DAUIN, ZAMBOANGUITA
 AND SIATON - NEGROS ORIENTAL
 SERIAL NO. 2019-010, UNTIL DEC. 31, 2020
 ROOM 405, SILLIMAN PORTAL WEST BLDG, DGTE. CITY
 ROLL OF ATTORNEYS NO. 40206
 PTR NO. 2447726, 01/08/2020, DGTE. CITY
 IBP LIFETIME NO. 07682, 06/27/2003, NEG. OR.