

Republic of the Philippines
DON HONORIO VENTURA STATE UNIVERSITY
Villa de Bacolor, Pampanga

NOTICE TO PROCEED

September 20, 2019

INNOVATIVE CONCEPT MARKETING
2848 Jose Abad Santos St., Tondo, Manila City

Tel.No. (02) 741-17-47

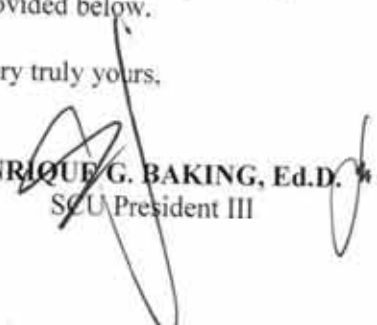
Dear Sir/Madam:

The attached contract agreement/purchase order having been approved, notice is hereby given to **INNOVATIVE CONCEPT MARKETING**, that work may proceed on the **"Supply, Delivery, Installation and Commissioning of Various Mechanical Engineering Laboratory Equipment"**.

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 in the space provided below.

Very truly yours,


ENRIQUE G. BAKING, Ed.D. *
SCU President III

I acknowledge Receipt of this Notice on : **September 23, 2019**

Name of the Representative of the Bidder : **RAFAEL L. SALVANIA**

Authorized Signature : 

CONTRACT AGREEMENT

THIS AGREEMENT made the **18th** day of **September, 2019**, between DON HONORIO VENTURA STATE UNIVERSITY, represented by **DR. ENRIQUE G. BAKING**, address at Cabambangan, Villa de Bacolor, Pampanga, Philippines, hereinafter called "the Entity" of the one part and INNOVATIVE CONCEPT MARKETING, represented by **RAFAEL LAGA SALVANIA**, address at Unit B Sureshot Sporstville, #2848 Jose Abad Santos Steet, Tondo, Manila City, Philippines, hereinafter called "the Supplier" of the other part:

WHEREAS the Entity invited Bids for certain goods and ancillary services, viz., **Supply, Delivery, Installation and Commissioning of Various Mechanical Engineering Laboratory Equipment**, and has accepted a Bid by the Supplier for the supply of those goods and services in the sum of **TWENTY NINE MILLION FOUR HUNDRED TWENTY SEVEN THOUSAND EIGHT HUNDRED FOUR PESOS & 51/100 ONLY (P29,427,804.51)**, 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 shall be deemed to form and be read and construed as part of this Agreement, viz.:

The project is composed of the following:

Supply, Delivery, Installation and Commissioning of Various Mechanical Engineering Laboratory Equipment

Item 1: MULTI-PUMP TEST RIG

Model	: HM 362
Brand	: GUNT
Origin	: Hamburg, Germany
Qty	: 1 set
Technical Data:	
Overall dimensions	: 3 meters Length x 1.2 meters Width x 2 meters Height
Power supply	: 230V/ 60Hz/ 3-phase
Nominal power consumption	: 5.5 kW

Centrifugal pumps:	
Max. Speed	: 3000 rpm
Max. Head	: 16 meters
Flow rate	: 380 liters per minute
Maximum Operating pressure	: 16 bars
Material of body	: Stainless steel
Material of Impeller	: Stainless steel

Side channel pump:	
Max. Speed	: 1500 rpm
Max. Head	: 25 meters
Flow rate	: 85 liters per minute

Reciprocating pump:	
Max. Speed	: 1400 rpm
Max. Strokes	: 369 rpm
Max Operating pressure:	6 bars
Max. Head	: 60 meters



Pay 9.41

EMERALD ALCANTARA
Witness-Innovative Concept Marketing

FUNDS AVAILABLE: 104
JOSEPH IAN P. GUINTU
Witness-DHVSU

INNOVATIVE CONCEPT MARKETING
Party of the Second Part
By: RAFAEL L. SALVANIA
General Manager

DON HONORIO VENTURA
STATE UNIVERSITY
Party of the First Part
By: ENRIQUE G. BAKING, Ed.D.
President, DHVSU

Flow rate : 17 liters per minute

Volumetric flow measurement:

Type : Magneto- inductive
Flow : 500 liters per minute
Supply : 230 V
Output : 0 to 20 mA

Speed measurement:

Sensor/ Transducer : Photoelectric proximity switch

Torque measurement:

Measuring range : 0 to 500 N
Supply : 24 V
Output : 0 to 10 V
Lever arm : 0.05 m -> Display: 0-10 N

Power measurement:

Active-power transmitter for 1 and 3-phase symmetric power supply system
Current range : 0 - 5 Amp
Frequency range : 45 - 400Hz

Intake pressure measurement:

Measuring range : -1 to +1.5 bars
Supply : 24 V
Output : 0 to 10 V

Delivery pressure measurement:

Measuring range : 0 to 10 bar
Supply : 24 V
Output : 0 to 10 V

Supply tank:

Minimum Capacity : 300 liters
Material : Stainless steel

Pipe Material : Brass that can handle a maximum pressure of 20 bars

Data Acquisition System and Software:

Direct connection via USB (cables included)
No proprietary license key and expiration of software

Item 2: MINI STEAM POWER PLANT

STEAM GENERATOR

Model : ET 850
Brand : GUNT
Origin : Hamburg, Germany
Qty : 1 set

Technical data:

Dimensions : 1.8 m length x 0.8 m width x 1.8 m height

Power supply : 230V, 60 Hz, 3-phase

Nominal power consumption (output) : 1 kW

Water supply:

Cooling water : 300 Liter per hour
Vacuum pump : 240 - 720 Liters per hour

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Witness-Innovative Concept Marketing

FUNDS AVAILABLE: IG4
JOSEPH IAN P. GUINTU
Witness-DHVSU

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President, DHVSU

Steam Generator:
Heating capacity : 6kW
Heat-up time : 20 minutes
Steam output : 8 kilograms per hour
Feedwater tank : 16 liters
Max. Operating pressure : 7 bars
Electrical connection : 230V, 60Hz, 18A, 3-phase

Superheater
Electrical power : 750 Watts
Max. steam temperature : 250 °C
Steam temperature controller : 0 to 240 °C

Condenser
Material : Copper tube Ø8mm x 1 mm
Exchanger area : 0.0852 m²

Instrumentation
All measured variables are displayed on LCD screens and provided as a 0 to 10V signal for PC data acquisition.

Data Acquisition System:
Direct connection via USB (cables included)
No proprietary license key and expiration of software
Saved measurement data can be imported into a spreadsheet programs

B. STEAM TURBINE

Model : ET 851
Brand : GUNT
Origin : Hamburg, Germany
Qty : 1 set

Technical data :

Dimensions : 1.5 m length x 0.8 m width x 1.8 m height

Power supply : 230V, 60 Hz, 1-phase

Nominal power consumption : 0.5 kW

Water supply:
Cooling water : 300 Liters per hour

Turbine:
Single stage Axial Impulse Turbine
Vertical Shaft and floating bearing of the rotor disc

Rotor Disc:
Stainless steel, milled blades with shrunk on cover ring
Nominal Speed : 40,000 rpm

Condenser:
Material : Copper tube Ø8mm x 1 mm
Exchanger area : 0.0852 m²

Output Measurement:
Eddy current brake with strain gauge force sensor with measuring range of 0 to 50Nmm
Speed measurement via photoelectric reflex switch with measuring range of 0 to 50,000 rpm

Instrumentation

EMERALD ALCANTARA
Witness-Innovative Concept Marketing

FUNDS AVAILABLE: 1G4
JOSEPH IAN P. GUINTU
Witness-DHVSU

INNOVATIVE CONCEPT MARKETING
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General Manager

DON HONORIO VENTURA
STATE UNIVERSITY
Party of the First Part
By: ENRIQUE G. BAKING, Ed.D.
President, DHVSU

All measured variables are displayed on LCD screens and provided as a 0 to 10V signal for PC data acquisition.

Data Acquisition System:

Direct connection via USB (cables included)

No proprietary license key and expiration of software

Saved measurement data can be imported into a spreadsheet programs

Item 3: ICE PLANT TRAINER WITH INDUSTRIAL REFRIGERATION

Model : ET 420
Brand : GUNT
Origin : Hamburg, Germany
Qty : 1 set

Technical data:

Compressor:

Refrigeration capacity : 1450W at -15/32°C

Power consumption : 1500W at -15/32°C

Pumps (glycol-water mixture)

Maximum flow rate : 4.5 cubic meters per hour

Maximum head : 5.6 meters

Pump wet cooling tower (water)

Maximum flow rate : 4.5 cubic meters per hour

Maximum head : 18 meters

Ice store : 150 Liters

Compensation tank : 20 Liters

Wet cooling tower, rated cooling capacity : 12kW

Dry cooling tower, rated cooling capacity : 14kW

Refrigerant : R513A

Filling volume : 2.5kg

CO2-equivalent: 1.6 tons

Measuring ranges

Temperature range : 0 - 150°C

Max Pressure : 24 bars

Max. Flow rate : 1200 liters per hour

Power : 2250 Watts

Power Supply : 230V, 60Hz, single-phase

Data Acquisition System:

Direct connection via USB (cables included)

No proprietary license key and expiration of software

TERMS OF REFERENCE

Supply, Delivery, Installation and Commissioning of Various Mechanical Engineering Laboratory Equipment

To ensure the quality of service, the supplier is required to meet the minimum requirements stated as follows:

Equipment to be supplied must be of full-laboratory size in nature which can accommodate a whole class (minimum of 30 students)

Supplier must provide laboratory layout/design of the equipment to be installed.

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Witness-Innovative Concept Marketing

FUNDS AVAILABLE: 164
JOSEPH IAN P. GUINTU
Witness-DHVSU

INNOVATIVE CONCEPT MARKETING
Party of the Second Part
By: RAFAEL L. SARVANIA
General Manager

DON HONORIO VENTURA
STATE UNIVERSITY
Party of the First Part
By: ENRIQUE G. BAKING, Ed.D.
President, DHVSU

The Supplier must provide the needed laboratory experiments for the entire project. Provide appropriate Training Program for the DHVTSU key personnel in the operation, monitoring, safety and maintenance of the system. Software must not have NO proprietary license key and expiration. The supplier shall guarantee that the entire project is free from all defective workmanship and materials, and will remain so for the period stated in the warranty declaration. Equipment to be supplied must comply with the minimum requirements set by the TWG, but not limited to;

8.1 MULTI PUMP TEST RIG

8.1.1 Trainer must be able to show, compare and perform experiments of various types of pumps -their behavior, characteristic and efficiency

8.1.2 Trainer to be supplied must be a full-size laboratory equipment where various pumps and components, measuring instruments, electronics & electrical controls are installed and mounted in the rigs working station equipped with heavy-duty castor wheels for easy maneuvering and mobility

8.1.3 Trainer must include a data acquisition system and software to be connected to a PC via USB

8.1.4 Trainer must include the following pumps, but not limited to;

- Two (2) centrifugal pumps powered by an adjustable speed three-phase AC motors
- One (1) side channel pump powered by a fixed speed three-phase AC motor
- One (1) reciprocating pump powered by a fixed speed three-phase AC motor

8.1.5 Trainer's instrumentation and data acquisition must be able to show the following, but not limited to;

- Pressure
- Flow
- Speed
- Torque
- Power
- System curves and characteristics

8.1.6 Trainer must have a provision for the installation of an additional pump

8.2 MINI STEAM POWER PLANT – STEAM GENERATOR

8.2.1 Trainer must be a fully functional steam generator module with electrically-heated boiler and closed water circuit

8.2.2 Trainer must include a data acquisition system and software to be connected to a PC via USB

8.2.3 Trainer must include safety devices, sensor and/or components to ensure that safety of the students and facilitators during the experiments.

It must include a safety valve

It must trigger an alarm once the steam temperature exceeded 250°C

It must have a pressure relief valve to protect the condenser of over pressurization

Electrical power must be cut or shut-off once the feedwater tank's reaches below minimum level

8.2.4 Trainer's instrumentation and data acquisition must be able to show the following, but not limited to;

- Pressure
- Steam Enthalpy
- Flow
- Determination of heat flux density
- Temperature
- Heat transfer coefficient

FUNDS AVAILABLE: (64)

JOSEPH IAN P. GUINTU
Witness-DHVSU

EMERALD ALCANTARA
Witness-Innovative Concept Marketing

INNOVATIVE CONCEPT MARKETING

Party of the Second Part

By: RAFAEL L. SALVANIA
General Manager

DON HONORIO VENTURA
STATE UNIVERSITY

Party of the First Part

By: ENRIQUE BAKING, Ed.D.
President, DHVSU

8.2.4 Trainer to be supplied must be a full-size laboratory steam generator module where various components, measuring instruments, electronics & electrical controls are installed and mounted equipped with heavy-duty castor wheels with locking mechanism for easy maneuvering and mobility.

8.3 MINI STEAM POWER PLANT – STEAM TURBINE

8.3.1 Trainer must be a full laboratory size equipment consisting of a single stage axial impulse turbine mounted in a corrosion-resistant, sealed ball bearing

8.3.2 Trainer's instrumentation and data acquisition must be able to show the following, but not limited to;

- a. Pressure
- b. Speed
- c. Efficiency
- d. Flow
- e. Torque
- f. Temperature
- g. Power

8.3.3 Trainer must include a data acquisition system and software to be connected to a PC via USB

Trainer must be equipped with heavy-duty castor wheels with locking mechanism for easy maneuvering and mobility.

8.4 ICE PLANT TRAINER WITH INDUSTRIAL REFRIGERATION

8.4.1 Trainer must be an industrial refrigeration equipment consisting of:

- Wet cooling tower, 1 set
- Dry Cooling tower, 1 set
- Refrigeration with ice store system, 1 set

8.4.2 Trainer must include a data acquisition system and software to be connected to a PC via USB

8.4.3 Trainer to be supplied must be a full-size laboratory equipment where components, measuring instruments, electronics & electrical controls are installed and mounted with heavy-duty castor wheels with locking mechanism for easy maneuvering and mobility

8.4.4 Trainer's instrumentation and data acquisition must be able to show the following, but not limited to;

- a. Power
- b. Temperature
- c. Heat
- d. Energy
- e. Flow
- f. Pressure
- g. Efficiency

Software to be supplied must have NO proprietary license key and expiration

The bidder shall guarantee that the entire project is free from all defective workmanship and materials, and will remain for the period stated below from the date of acceptance:

Two (2) Years Warranty on Workmanship.

Two (2) Years Warranty on Goods

DELIVERY: 180 CALENDAR DAYS

3. The delivery period is 180 calendar days after receipt of **Notice To Proceed**.

4. In case of failure to make the full delivery within the time specified, a penalty shall be imposed as provided for in the bid documents.

EMERALD ALCANTARA
Witness-Innovative Concept Marketing

FUNDS AVAILABLE: 164
JOSEPH IAN P. GUINTU
Witness-DHVSU

INNOVATIVE CONCEPT MARKETING
Party of the Second Part
By: RAFAEL L. SALLVANIA
General Manager

DON HONORIO VENTURA
STATE UNIVERSITY
Party of the First Part
By: ENRIQUE G. BAKING, Ed.D.
President, DHVSU

5. In consideration of the payments to be made by the entity to the supplier as hereinafter mentioned, the Supplier hereby covenants with the Entity to provide the services and to remedy defects with the provisions of the contract
6. The entity hereby covenants to pay the supplier in consideration of the provision of the services and the remedy of defects therein, the contract price or such other sum as may become payable under the provisions of the contract at the time and in the manner prescribed by the contract.

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.

DON HONORIO VENTURA
STATE UNIVERSITY
Villa de Bacolor, Pampanga

By:


ENRIQUE G. BAKING, Ed.D.
SUC President III


JOSEPH IAN R. GUINTU
Witness-DHVSU

INNOVATIVE CONCEPT
MARKETING
Unit B Sureshot Sportville,
#2848 Jose Abad Santos St.,
Tondo, Manila City

By:


RAFAEL L. SALVANIA
General Manager

WITNESSES:


EMERALD ALCANTARA
Witness-Innovative Concept Mrktg.

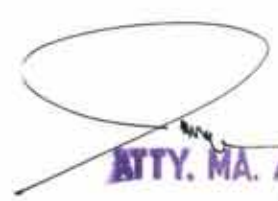
ACKNOWLEDGEMENT

Republic of the Philippines)
CITY OF MANILA) S.S.
_____)

BEFORE ME, a notary public in and for the Philippines, personally appeared ENRIQUE G. BAKING, President of DHVSU, with Residence Certificated No. 27766650 issued at Bacolor, Pampanga, on January 18, 2019, and RAFAEL L. SALVANIA, General Manager of INNOVATIVE CONCEPT MARKETING, with Residence Certificate No. 02466996 issued at Tondo, Manila City, on January 05, 2019, known to be the same persons who executed the foregoing instrument and who acknowledged to me that the same is their free voluntary act and deed for the purpose therein stated and for entities they respectfully represent.

IN WITNESS WHEREOF, I have hereunto set my hands and affix my notarial seal to this instrument SEP 18 2019 day of _____ at the CITY OF MANILA.

DOC. NO. 289
PAGE NO 60
BODK NO 607
SERIES OF 7017


ATTY. MA. ARWIN JUCIO SINAGUINAN
NOTARY PUBLIC
UNTIL DEC. 31, 2019
PTR NO. 8035132
TIN NO. 103-631-220
ISSUED AT MANILA ON JAN. 5, 2019



DON HONORIO VENTURA STATE UNIVERSITY

Villa de Bacolor, Pampanga

TeleFax: (045) 626-5957

Website: www.dhvtsu.edu.ph

E-mail: DHVTSUBACSecretariat@gmail.com

NOTICE OF AWARD

September 13, 2019

INNOVATIVE CONCEPT MARKETING

Unit B Sureshot Sportsville
2848 Jose Abad Santos St., Tondo, Manila

SIR/MADAM:

We are happy to notify you that the **"SUPPLY, DELIVERY, INSTALLATION AND COMMISSIONING OF VARIOUS MECHANICAL ENGINEERING LABORATORY EQUIPMENT"** is hereby awarded to you through Public Bidding at a Contract Price equivalent to **TWENTY NINE MILLION FOUR HUNDRED TWENTY SEVEN THOUSAND EIGHT HUNDRED FOUR PESOS AND 51/100 ONLY (P 29,427,804.51)**.

In accordance with the provisions of the tender documents you are required to enter and execute the contract agreement with this office within ten calendar days from the date of your receipt of this **Notice of Award**.

Please acknowledge agreement with the contents of this **Notice of Award** by signing under the **"CONFORME"** provided below and returning the same to this Office within the specified period stated above.

Very truly yours,


ENRIQUE C. BAKING, Ed. D.
SUC President III

Conforme:

Name of the Representative of the Supplier:


RAFAEL L. SALVANIA

Name of Supplier

: **Innovative Concept Marketing**

Date

: **September 13, 2019**