



# PURCHASE ORDER

Procurement Unit  
Tel. No.: 045-606-8142/ 606-8157

DELIVERY DUE DATE:

Supplier: **HYTEC POWER, INC.**  
Address: #2 T. Cruz St., Cruzville, Zabarte Rd., Novaliches, Quezon City  
Type of Business: Merchandising  
TIN No.: 229-283-188-000  
Tel. No.: 1021-417-4333/ 417-5435/ 418-7079/ 419-9138/ 419-9166

PR No.: 2020-09-199  
PO No.: 2021-056  
Date: 2/10/2021  
Mode of Procurement: Public Bidding

Gentlemen:

Please furnish this office the following articles subject to the terms and conditions contained herein:

Place of Delivery: **TARLAC STATE UNIVERSITY**  
Date of Delivery:  
Delivery Term: 30 Calendar Days  
Payment Term: N/30

Item No.	Unit	Description	Quantity	Unit Cost	Total Cost
1	set	<b>AUTOMATIC PRODUCTION LINE TRAINING EQUIPMENT,</b> Including: Training bench (1 set), Feeding unit (vertical feed tube, topping cylinder, pusher cylinder, material detection sensor parts, installation rack, material detection device part, wiring terminal unit, etc.) (1 set), Transmission unit (four freedom manipulator, linear transmission unit, proportional transmission mechanism, multi-function installation rack, synchronizing wheel, synchronizing belt, wiring terminal unit, etc.) (1 set), Processing unit (sliding material platform, simulated punch, wiring terminal unit, etc.) (1 set), Assembly unit (feeding mechanism, rotary feeding unit, manipulator assembly unit, wiring terminal unit) (1 set), Sorting unit (conveyor mechanism, three phase motor power unit, sorting pneumatic components, sensor detection unit, precision feedback and positioner mechanism, wiring terminal unit, etc.) (1 set), Distribution box (1 set), Servo (Panasonic permanent magnet synchronous AC servo motor, AC permanent magnet synchronous servo drive device as the movement control device of the manipulator) (1 set), Three phase motor (mainly of motor and reduction gearbox, the gear ratio is 1:10) (1 set), photoelectric sensor (7pc), photoelectric sensor (2pc), proximity sensor (1pc), Metal sensor (2pc), Fiber optic sensor (3pc), warning light (1pc), Manifold board (5pc), Double way electronic controlled valve with light (2pc), Single way electronic controlled valve with light (16pc), cylinder (Equipped with magnetic switch, installation rack)(18pc), Communication device (1 set), Filter pressure relief Valve (1 set), Solenoid valve components (5set), Power distribution system (1set), Air pump (1 set), Wiring terminal block (5set), Control unit (consists of 3pcs indicator, 2pcs jog button, 1pc switch, 1pc emergency stop button) (5pc), PLC controller (PLC brand selectable) (1set), Workpiece (6 kinds, each in 5 pcs) (1 set), Touch screen (1set)	1	4,201,100.00	4,201,100.00
<i>Sub-Total</i>					<b>4,201,100.00</b>

Warranty shall be for a period minimum of Three (3) months for expendable supplies, or a minimum period of one (1) Year for non-expendable supplies. In case of failure to make 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.

Very truly yours,

**DR. MYRNA Q. MALLARI**  
President

Authorized Official

02-10-2021

Conformed:  
**ENR. ERIC J. COYANAN**  
**HYTEC POWER, INC.**

(Signature over printed name & date)

FEB 26 2021

Bank Account Name:

Bank Account Number:

Bank Name:

Bank Address:

Funds Available:

**ESEN MAY T. TROFILO**  
Head, Budget Office

ALDS No.: 0-206441-2021-02-00 05  
Amount: P10,000,000-



# PURCHASE ORDER

Procurement Unit  
Tel. No.: 045-606-0142 / 606-0157

DELIVERY DEADLINE:

Supplier: **HYTEC POWER, INC.**  
Address: #2 T. Cruz St., Cruzville, Zabarte Rd., Novaliches, Quezon City  
Type of Business: Merchandising  
TIN No.: 229-283-188-000  
Tel. No.: (02) 417-4333 / 417-5435 / 418-7079 / 419-9138 / 419-9166

PU No.: 2020-09-199  
PO No.: 2021-056  
Date: 2/10/2021  
Mode of Procurement: Public Bidding

Gentlemen:

Please furnish this office the following articles subject to the terms and conditions contained herein:

Place of Delivery: **TARLAC STATE UNIVERSITY**  
Date of Delivery: \_\_\_\_\_  
Delivery Term: 30 Calendar Days  
Payment Term: N/30

Item No.	Unit	Description	Quantity	Unit Cost	Total Cost
		<i>Balance Forwarded</i>			4,201,100.00
		<p>-The Equipment must be Compliant to WorldSkills ASEAN Skills Standard</p> <p>Equipment overview:</p> <p>The equipment is composed of feeding unit, processing unit, assembly unit, transmission unit and sorting unit. The electrical layout is in double-drawer; all electrical controllers are installed on the drawers, in accordance with the real industrial patterns. Each unit is an independent system, as well as an electromechanical system. The executive mechanism of each unit is mainly based on pneumatic execution, but the mechanical arm movement of transmission unit adopts servo motor driving and precise position control, the drive system has the features of long travel and multi positioning points. The conveyor belt drive of sorting unit adopts general frequency converter drive 3-phase asynchronous motor. The position control and frequency converter technology is the most widely used electrical control technology in modern industry. Training contents:</p> <p>1. It combines mechanical technology, sensor technology, AC motor variable frequency speed regulation and stepper motor drive control, touch screen technology, PLC control and communication network technology. Feeding unit installation and debugging; Processing unit installation and debugging; Assembly unit installation and debugging; Sorting unit installation and debugging; Transmission unit installation and debugging; Automatic production line control installation and debugging.</p> <p>2. The whole structure is open, modules are replaced easily, the required modules can be selected conveniently for teaching and competition; Replace and expand working unit; Electrician is updated to field bus; Position module to control servo motor.</p> <p>3. Used for teaching, complete the following tasks:</p> <p>1) Pneumatic system installation and debugging; Pneumatic direction</p> <p style="text-align: right;"><i>Sub-Total</i></p>			4,201,100.00

Warranty shall be for a period minimum of Three (3) months for expendable supplies, or a minimum period of one (1) Year for non-expendable supplies. In case of failure to make 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.

Very truly yours,

DR. MYRNA Q. MALLARI  
President

Authorized Official

Conforme:  
EVEL BRIGIDA S. SCHUMAN  
HYTEC POWER, INC.  
(Signature over printed name & date)

FEB 26 2021

Bank Account Name \_\_\_\_\_  
Bank Account Number \_\_\_\_\_  
Bank Name \_\_\_\_\_  
Bank Address \_\_\_\_\_

COMMISSION ON AUDIT - TSLU  
RECEIVED  
By: SEP Date: 05 FEB 2021

Funds Available

ELENCINO T. TEOFILO  
Head, Budget Office

A/OBS No.: 96-206441-1021-09-0003  
Amount: ₱ 14,000,000

No.: TSH-PRO-SF-09 Revision No.: 01



# PURCHASE ORDER

Procurement Unit

Tel. No. 045-606-8142/606-0157

DELIVERY DUE DATE:

Supplier: **HYTEC POWER, INC.**  
 Address: #2 T. Cruz St., Cruzville, Zabarte Rd., Novaliches, Quezon City  
 Type of Business: **Merchandising**  
 TIN No.: 229-283-188-000  
 Tel. No.: (02) 417-4333/ 417-5435/ 418-7079/ 419-9138/ 419-9166

PR No.: 2020-09-199  
 PO No.: 2021-056  
 Date: 2/10/2021  
 Mode of Procurement: Public Bidding

Gentlemen:

Please furnish this office the following articles subject to the terms and conditions contained herein:

Place of Delivery: **TARLAC STATE UNIVERSITY** Delivery Term: 30 Calendar Days  
 Date of Delivery: Payment Term: N/30

Item No.	Unit	Description	Quantity	Unit Cost	Total Cost
		<i>Balance Forwarded</i>			4,201,100.00
		control circuit installation; Pneumatic speed control circuit installation; Swing control circuit installation; Pneumatic sequence control circuit installation; Pneumatic mechanical arm installation; Pneumatic system installation and debugging; Pneumatic system design and installation. 2) Electrical control circuit installation and PLC programming: 3-phase motor positive and reverse rotation control circuit connection and control programming; 3-phase motor control circuit connection and control programming; Motor speed control circuit connection and control programming; Frequency converter analogy control connection and control programming; Servo motor control circuit connection and parameter setting; PLC control network control technology; Pneumatic direction control programming; Pneumatic sequence control programming; Pneumatic mechanical arm control programming; Belt conveyor control programming; Electromechanical equipment control programming; Automatic production line control programming. 3) PLC communication network installation, programming and debugging; PLC control technology---485 communication technology programming and debugging. 4) Electromechanical equipment installation and debugging Transmission co-axiality adjustment; Feeding unit mechanical installation and adjustment; Processing unit mechanical installation and adjustment; Assembly unit mechanical installation and adjustment; Sorting unit mechanical installation and adjustment; Transmission unit mechanical installation and debugging; Automatic production line installation and debugging. 4. The equipment is used in assessment and competition: Mechanical parts assembly and adjustment capability; Electromechanical equipment installation and debugging capability; Circuit installation			
		<i>Sub Total</i>			4,201,100.00

Warranty shall be for a period minimum of Three (3) months for expendable supplies, or a minimum period of one (1) Year for non-expendable supplies. In case of failure to make 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.

Very truly yours,

**DR. MYRNA Q. MALLARI**  
 President  
 Authorized Official

02-14-21

Confirms:  
**ENGR. ERIC J. C. SOMMAY**  
**HYTEC POWER, INC.**  
 (Signature over printed name & date)

FEB 26 2021

Bank Account Name: \_\_\_\_\_  
 Bank Account Number: \_\_\_\_\_  
 Bank Name: \_\_\_\_\_  
 Bank Address: \_\_\_\_\_

COMMISSION ON AUDIT  
**RECEIVED**  
 By SD Date 05 MAR 2021

Funds Available:  
**ELENA MARIT TEDEJO**  
 Head, Budget Office

ALOPS No.: **06-266491-2021-01-003**  
 Amount: **₱ 10,000,000**



# PURCHASE ORDER

Procurement Unit  
Tel. No.: 045-606-8142 / 606-8157

DELIVERY DUE DATE:

Supplier: **HYTEC POWER, INC.**  
Address: #2 T. Cruz St., Cruzville, Zabarte Rd., Novaliches, Quezon City  
Type of Business: Merchandising  
TIN No.: 229-283-188-000  
Tel. No.: (02) 417-4313 / 417-5435 / 418-7079 / 419-9138 / 419-9166

PR No.: 2020-09-199  
PO No.: 2021-056  
Date: 2/10/2021  
Mode of Procurement: Public Bidding

Gentlemen:

Please furnish this office the following articles subject to the terms and conditions contained herein:

Place of Delivery: **TARLAC STATE UNIVERSITY**  
Date of Delivery:  
Delivery Term: 30 Calendar Days  
Payment Term: N/30

Item No.	Unit	Description	Quantity	Unit Cost	Total Cost
		<p><i>Balance Forwarded</i></p> <p>capability; Pneumatic system installation and debugging capability; Frequency converter automatic production line operating capability; Servo motor automatic production line operating capability; PLC analogy control in automatic production line operating capability; Electromechanical equipment control programming capability; Automatic control system installation and debugging capability; PLC network installation, programming and debugging capability; Human-machine interface, configuration technology programming and debugging capability.</p> <p><b>Multi-Technology Design and Simulation Software, Single user license dongle (2pcs).</b> This software contains libraries and modules for: Hydraulics, Pneumatics, components sizing-energy, bill of material and report, catalogue manager, Manufacturers' catalogues, Control panels and 2D-3D HMI, Teach ware-workflow, Didactic support SFC Compilers, Sequential function chart, Digital electronics, APISs/, Script language, PLC ladder logic, CAN bus, Block diagram-Math, Electrical Controls, Electro technical One-line, Electro technical, Mechanical.</p> <p>Capabilities:</p> <ul style="list-style-type: none"> <li>•Interactive lab exercise- These exercises include simple schematic that can be simulated and animated in order to be analyzed. Teachers can also modify these exercises and create ones.</li> <li>•Online remote Access Licensing- You can prepare and simulate your courses and homework from home, school or workplace</li> <li>•Teach ware- This software offers guides, lectures, animations and lab notes for all levels of discipline.</li> <li>•Workflow- Allows teachers to create and sequence content in order to evaluate student's knowledge retention.</li> <li>•Configuration tools- Allows you to create and configure valves, cylinders, motors etc. to obtain components which are graphically</li> </ul>			4,201,100.00
		<i>Sub-Total</i>			4,201,100.00

Warranty shall be for a period minimum of Three (3) months for expendable supplies, or a minimum period of one (1) Year for non-expendable supplies. In case of failure to make 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.

Conferme:  
**ERIC D. SOLIMIN**  
HYTEC POWER, INC.  
(Signature over printed name & date)  
FEB 26 2021

Very truly yours,  
**DR. MYRNA O. MALJARI**  
President  
Authorized Official

Bank Account Name:  
Bank Account Number:  
Bank Name:  
Bank Address:

RECEIVED  
MAR 2021  
By: [Signature] Date: \_\_\_\_\_ Time: \_\_\_\_\_

Funds Available:  
**ELENAMAY TROFILO**  
Head, Budget Office

ALHIS No.: 04-204441-2021-02-0008  
Amount: ₱10,000,000



# PURCHASE ORDER

Procurement Unit  
Tel. No.: 045-806-8142 / 606-8157

**DELIVERY DUE DATE:**

Supplier: **HYTEC POWER, INC.**  
Address: #2 T. Cruz St., Cruzville, Zabarte Rd., Novaliches, Quezon City  
Type of Business: **Merchandising**  
TIN No.: 229-283-188-000  
Tel. No.: 102) 417-4333 / 417-5435 / 418-7079 / 419-9130 / 419-9166

PR No.: 2020-09-199  
PO No.: 2021-056  
Date: 2/10/2021  
Mode of Procurement: Public Bidding

Gentlemen:  
Please furnish this office the following articles subject to the terms and conditions contained herein

Place of Delivery: **TARLAC STATE UNIVERSITY**  
Date of Delivery:  
Delivery Term: 30 Calendar Days  
Payment Term: N/30

Item No.	Unit	Description	Quantity	Unit Cost	Total Cost
		<i>Balance Forwarded</i> compliant with your requirements and respectful of real technical performance •Create and customize your own symbols, libraries, and templates •Component sizing- Provides calculation worksheets specific to each category of pneumatic, hydraulic and electrical components which include calculation tool necessary for component sizing. •Adjustable component simulation parameters- This includes parameters such as applied loads, dimensions angles, internal leakages, force, torque, etc. •Dynamic, Realistic and Visual Simulation- Accurately reproduce the system's behavior in a dynamic and visual way. During simulation, components are animated and lines and wires are color-coded according to their state •Virtual System- Using the electrical, PLC libraries and SPC/GRAPHNET module, the student simply links sensors, switches, lights, conveyors, etc., in order to make the virtual systems operate according to teacher's instructions. •3D Editing and Animations- Includes a 3D editor for creating and importing 3D parts in STEP, STL and IGES. It is possible to visualize, simulate, and animate them simultaneously with the technologies that drive the system •Mechanical Links- Mechanical bodies can be linked to fluid power actuators to simulate and animate their effects. •Cross-section Animation- Users can build cross-section animated views and link them to the simulation results in order to produce synchronized animations. •System behavior analysis- You can monitor and visualize simulation variables during simulation. •Troubleshooting Modules •Circuit Modification during Simulation- Provides tools for disconnecting wires and pipes during simulation to isolate parts of a			4,201,100.00
<i>Sub-Total</i>					4,201,100.00

Warranty shall be for a period minimum of Three (3) months for expendable supplies, or a minimum period of one (1) Year for non-expendable supplies. In case of failure to make 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

Confirms:  
**EVER HAO LUI C. SOLIMANI**  
**HYTEC POWER, INC.** FEB 26 2021  
(Signature over printed name & date)

Very truly yours,  
**DR. MYRNA B. MALLARI** 02-16-21  
President  
Authorized Official

Bank Account Name:  
Bank Account Number:  
Bank Name:  
Bank Address:

COMMISSION ON ADMIN. TSES  
**RECEIVED**  
By: SD Date: 05 MAR 2021

Funds Available:  
**ELENA MAY T. TROJANO**  
Head, Budget Office

ALORS No.: 06-206441-2021-02-0003  
Amount: ₱ 10,000,000



# PURCHASE ORDER

Procurement Unit

Tel. No. 045-606-0142/606-0157

DELIVERY DUE DATE:

Supplier: **HYTEC POWER, INC.**  
 Address: #2 T. Cruz St., Cruzville, Zabarte Rd., Novaliches, Quezon City  
 Type of Business: **Merchandising**  
 TIN No.: 229-283-188-000  
 Tel. No.: (02) 417-4333/ 417-5435/ 418-7079/ 419-9138/ 419-9166

PR No.: 2020-09-199  
 PCI No.: 2021-056  
 Date: 2/10/2021  
 Mode of Procurement: Public Bidding

Gentlemen:

Please furnish this office the following articles subject to the terms and conditions contained herein:

Place of Delivery: **TARLAC STATE UNIVERSITY**  
 Date of Delivery: \_\_\_\_\_  
 Delivery Term: 30 Calendar Days  
 Payment Term: N/30

Item No.	Unit	Description	Quantity	Unit Cost	Total Cost
		<p style="text-align: right;"><i>Balance Forwarded</i></p> <p>circuit, perform measurements and repair or replace components to fix suspected failures.</p> <ul style="list-style-type: none"> <li>•Diagnostic Tools- Provides extensive diagnostic tools allowing to detect inconsistencies or errors such as non-compliance with ISO standards, free connectors, redundant or overlapping lines, etc.</li> <li>•Interfaces to programmable logic controllers and equipment</li> <li>•Manufacturers' Catalogues- Offering teachers and students an extensive library with thousands of preconfigured components that reproduce real world functions.</li> <li>•CAN Bus Links to Operate Virtual Machines</li> <li>•PLC Export</li> <li>•Block Diagram- It is possible to create a graphical environment for component and system modeling using predefined function blocks. It can also be used to create and test complete control loops.</li> <li>•Sequential function charts</li> <li>•HMI and Control Panels- User can easily create animated shapes that reproduce the behavior of the equipment they represent.</li> <li>•Electrical Controls- Interacts with all components from other libraries so as to create electrically controlled systems.</li> <li>•Electro technical- Offers wide array of components to create AC and DC electrical circuits, from basic to advanced uses. It supports IEC and NEMA standards. Motor soft starters and VFD's are available.</li> <li>•Electro technical One-line- Enables the design of diagrams for all voltage levels in a typical one-line representation of networks for power generation, transmission and distribution.</li> <li>•Digital Electronics- Includes standard devices such as inverters, logic gates, flip-flop, counters, shift registers, comparators, switches, LEDs, 7-bar display, decoders, multiplexers, etc.</li> <li>•Programmable logic controller- Offers PLC logic libraries for different brands of PLC.</li> <li>•Pneumatics- Includes all the symbols necessary to create pneumatic.</li> </ul> <p style="text-align: right;"><i>Sub-Total</i></p>			<b>4,201,100.00</b>
<i>Sub-Total</i>					<b>4,201,100.00</b>

Warranty shall be for a period minimum of Three (3) months for expendable supplies; or a minimum period of one (1) Year for non-expendable supplies. In case of failure to make 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.

Confirms:   
**MYRNA Q. MALLARI**  
 HYTEC POWER, INC.  
 (Signature over printed name & date) **FEB 26 2021**

Very truly yours,  
  
**DR. MYRNA Q. MALLARI**  
 President  
 Authorized Official

Bank Account Name: \_\_\_\_\_  
 Bank Account Number: \_\_\_\_\_  
 Bank Name: \_\_\_\_\_  
 Bank Address: \_\_\_\_\_

COMMISSION ON AUDIT T.S.U.  
**RECEIVED**  
 by: SEP Date: 05 MAR 2021

Funds Available:  
  
**ELEANORA T. TEJERO**  
 Head, Budget Office

ALOPS No.: **04-202441-2021-02-0003**  
 Amount: **₱10,000,000**



# PURCHASE ORDER

Procurement Unit

Tel. No.: 045-606-8142/606-8157

DELIVERY DUE DATE:

Supplier: **HYTEC POWER, INC.**  
 Address: **#2 T. Cruz St., Cruzville, Zabarte Rd., Novaliches, Quezon City**  
 Type of Business: **Merchandising**  
 TIN No.: **229-283-188-000**  
 Tel. No.: **(02) 417-4333/ 417-5435/ 418-7079/ 419-9138/ 419-9166**

PR No.: **2020-09-199**  
 PO No.: **2021-056**  
 Date: **2/10/2021**  
 Mode of Procurement: **Cable Bidding**

Gentlemen:

Please furnish this office the following articles subject to the terms and conditions contained herein:

Place of Delivery: **TARLAC STATE UNIVERSITY**      Delivery Term: **30 Calendar Days**  
 Date of Delivery:      Payment Term: **N/30**

Item No.	Unit	Description	Quantity	Unit Cost	Total Cost
		<i>Balance Forwarded</i>			<b>4,201,100.00</b>
		electro pneumatic and logic systems. •Hydraulics- Offers all component symbols required to create mobile and industrial hydraulic systems and functions. Educational Edition- This Edition contains all the workshops and tools for the making of a project, including simulation and documentation of the entire system. File Security- When a project is created in (.extension PRX) a backup (.extension BACKUP) shall be created. The current file is also automatically saved during regular intervals (.extension AUTOSAVE). Unit Systems- The software shall support both metric and imperial unit systems. At any time, during a session, the user can modify the unit type; the numeric value will be converted automatically. Context Help and Help Guides- The following guides are included in the application: Installation and Administration, Basic User's Guide, Fluid Power, Electrotechnical, SFC-Grafcart, HMI, One-Line Diagram, Catalogue Manager, 3D Editor, OPC Module, API & Scripting Language and Workflow Manager. The User guides shall be available on the installation CD/DVD in PDF format. General Interface- The software interface complies with Windows Ribbon standards and is consistent no matter what file/schematic is edited. Workshops- Every workshop available shall allow the user to draw circuits using symbols from the library or products from Manufacturer Catalogues and to realistically simulate the corresponding technology with measurable values. Multi-technology simulation shall be available and transparent to the user. Power Workshops 1.1. Hydraulics and Proportional Hydraulics- In conformity with the ISO 1219-1 and 1219-2 standards, the Hydraulic and Proportional Hydraulic libraries shall offer all the symbols necessary for designing a hydraulic or electro hydraulic system. The libraries shall offer			
		<i>Sub-Total</i>			<b>4,201,100.00</b>

Warranty shall be for a period minimum of Three (3) months for expendable supplies, or a minimum period of one (1) Year for non-expendable supplies. In case of failure to make 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.

Very truly yours,

**DR. MYRNA Q. MALLARI** *62-18-7*  
 President

Authorized Official

Conforme:

**DR. ERIC J. C. SOLIMAN**  
**HYTEC POWER, INC.**

(Signature over printed name & date) **FEB 26 2021**

Bank Account Name: \_\_\_\_\_

Bank Account Number: \_\_\_\_\_

Bank Name: \_\_\_\_\_

Bank Address: \_\_\_\_\_

Funds Available:

**ELENA MAY T. TEOFILO**  
 Head, Budget Office

COMMISSION ON AUDIT, TSU  
**RECEIVED**  
 By **SD** Date **05 MAR 2021**

ALDRS No. **4-266441-2021-02-0003**  
 Amount: **₱40,000,000**



# PURCHASE ORDER

Procurement Unit  
Tel No: 045-606-0142/ 045-0157

DELIVERY DUE DATE:

Supplier: **HYTEC POWER, INC.**  
Address: #2 T. Cruz St., Cruzville, Zabarte Rd., Novaliches, Quezon City  
Type of Business: Merchandising  
TIN No.: 229-283-188-000  
Tel. No.: (02) 417-4333/ 417-5435/ 419-7079/ 419-9138/ 419-9166

PR No.: 2020-09-199  
PO No.: 2021-056  
Date: 2/10/2021  
Mode of Procurement: Public Bidding

Gentlemen:

Please furnish this office the following articles subject to the terms and conditions contained herein:

Place of Delivery: **TARLAC STATE UNIVERSITY**  
Date of Delivery:  
Delivery Term: 30 Calendar Days  
Payment Term: N/30

Item No.	Unit	Description	Quantity	Unit Cost	Total Cost
		<i>Balance Forwarded</i> hundreds of symbols (components) including valves, variable displacement pumps and motors, which allow the creation of simple or advanced systems, such as open or closed loops. To avoid overloading the library, smart builder shall be available for Directional Valves, Cylinders, Reservoirs, Spool Position The symbols shall be pre-configured by default but can easily be sized to reproduce a specific behavior, taking into consideration pressures, flows, pressure losses, etc. Among the simulation parameters that can be configured, the user can apply loads, modify thermal behaviors, fluid viscosity and flow characteristics. To go along with the various component configurations, there are over 200 analog behaviors and over 1000 symbols. Mechanical transmission components such as motors, clutches, and gear boxes are also available in these workshops. 1.2 Pneumatics and Proportional Pneumatics- Includes all the symbols (components) needed to create Pneumatic, electro-pneumatic and pneumatic logic systems. Sequencer builders are available. Like the Hydraulic workshop, the parameters of the pneumatic components can be configured to reproduce a realistic behaviour. To go along with the various component configurations, there are over 200 analog behaviours and over 1000 symbols. Mechanical transmission components, such as motors, clutches, and gear boxes are also available in this workshop. 1.3 Mechanism Manager- Mechanical bodies can be linked to Fluid Power actuators to simulate power transmission and dynamics and animate the kinematic diagram. 1.4 Electrotechnical (IEC and NEMA)- The software shall offer an extensive range of components allowing for the design of simple to complex Electrotechnical AC/DC circuits. Components' simulation parameters are also configurable. They include values of resistance, inductance, frequency, mutual inductance of a motor's rotor/stator.			4,201,100.00
		<i>Sub-Total</i>			4,201,100.00

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Confirmer:  
**RYR. ERIC RUI C. SOLIMANI**  
**HYTEC POWER, INC.**  
(Signature over printed name & date)

Bank Account Name: \_\_\_\_\_  
Bank Account Number: \_\_\_\_\_  
Bank Name: \_\_\_\_\_  
Bank Address: \_\_\_\_\_

Funds Available:  
**ELENA MAE T. TEDSILO**  
Head, Budget Office

Very truly yours,  
**DR. MYRNA Q. MALLARI**  
President  
Authorized Official

COMMISSION ON AD. T.S.I.  
**RECEIVED**  
By: **SEA** Date: **05 MAR 2021**

ALCBS No. **06-286441-2021-02-0003**  
Amount: **₱10,000,000**





# PURCHASE ORDER

Procurement Unit

Tel. No. (045-606-8142/ 606-8157

DELIVERY DUE DATE:

Supplier: **HYTEC POWER, INC.**  
 Address: #2 T. Cruz St., Cruzville, Zabarte Rd., Novaliches, Quezon City  
 Type of Business: **Merchandising**  
 TIN No.: 229-283-188-000  
 Tel. No.: (02) 417-4333/ 417-5435/ 418-7079/ 419-9138/ 419-9160

PR No.: 2020-09-199  
 PO No.: 2021-056  
 Date: 2/10/2021  
 Mode of Procurement: Public Bidding

Gentlemen:

Please furnish this office the following articles subject to the terms and conditions contained herein:

Place of Delivery: **TARLAC STATE UNIVERSITY**  
 Date of Delivery: \_\_\_\_\_  
 Delivery Term: 30 Calendar Days  
 Payment Term: N/30

Item No.	Unit	Description	Quantity	Unit Cost	Total Cost
		<i>Balance Forwarded</i>			4,201,100.00
		<p>inertial constant, etc. To illustrate more complex concepts, the user can post various behaviors including speed, coupling, and mechanical power. The simulation and parameter settings of components and applied constraints to the system allow for the analysis and a better understanding of a behavior. There are more than 100 analog behaviors and over 500 symbols compliant the IEC and NEMA standards and functionalities. This allows the user to design schematics containing Electrotechnical controls, power components, terminal strips, cables, boxes, and panels.</p> <p>1.5 One-Line Diagram (IEC and NEMA)- Allows creating, viewing, editing, and simulating single schematics of medium and high voltage systems in applications such as power generation, power transmission, and power distribution. All necessary components (generators, bars, transformers, network equipment, protection, loads, measuring instruments, etc.) are available. Assemblies allow the definition of cells. Each component includes properties and symbols that comply with the IEC and NEMA standards. Various diagnostic tools shall be available to verify component naming, equipotential uniformity, component connections, etc.</p> <p>1.6 3D Editor- Allows creating and importing 3D parts in STEP, STL, and IGES and linking them mechanically to create 3D systems. It is possible to visualize, simulate and animate them simultaneously with the technologies that drive the system.</p> <p>1.7 API &amp; Scripting- Allows implementing user's own functionality in order to automate different tasks routinely applied by overwriting or creating new functionalities, hence changing the way the software normally functions, to support expanding needs to interface with other systems such as ERP, 3D CAD, PDM, and LMS</p> <p>1.8 Workflow Manager- Allows the user to automate its procedural activities, to create workflows without having any background in computer programming. This module is used to create didactic</p>			
		<i>Sub-Total</i>			4,201,100.00

Warranty shall be for a period minimum of Three (3) months for expendable supplies, or a minimum period of one (1) Year for non-expendable supplies. In case of failure to make 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.

Very truly yours,

  
 DR. MYRNA Q. MALLARI  
 President

Authorized Official

Confirmed:

  
 ENGR. ERIC JUDE S. SCHMAN  
 HYTEC POWER INC. FEB 26 2021

(Signature over printed name & date)

Bank Account Name: \_\_\_\_\_

Bank Account Number: \_\_\_\_\_

Bank Name: \_\_\_\_\_

Bank Address: \_\_\_\_\_

Funds Available:

  
 ELNA MAY T. TEOFILO  
 Head, Budget Office

ALOBS No. 04-206401-1421-01-0005  
 Amount: ₱10,000,000

COMMISSION ON AUDIT-TSIA  
 RECEIVED

By:  Date: 05 FEB 2021



# PURCHASE ORDER

Procurement Unit

Tel. No. 045-686-8142 / 006-8153

DELIVERY DUE DATE:

Supplier: **HYTEC POWER, INC.**  
 Address: #2 T. Cruz St., Cruzville, Zabarte Rd., Novaliches, Quezon City  
 Type of Business: Merchandising  
 TIN No.: 229-283-188-000  
 Tel. No.: (02) 417-4333 / 417-5435 / 418-7079 / 419-9138 / 419-9166

PR No.: 2021-09-129  
 PO No.: 2021-056  
 Date: 2/10/2021  
 Mode of Procurement: Public Bidding

Gentlemen:

Please furnish this office the following articles subject to the terms and conditions contained herein.

Place of Delivery: **TARLAC STATE UNIVERSITY**  
 Date of Delivery: \_\_\_\_\_  
 Delivery Term: 30 Calendar Days  
 Payment Term: N/30

Item No.	Unit	Description	Quantity	Unit Cost	Total Cost
		<i>Balance Forwarded</i>			4,201,100.00
		<p>activities (exercise, Lab, evaluation,) on existing circuits. Control Workshops and Modules</p> <p>1.9 Electrical Controls (IEC and IEC)- This workshop interacts with components from other libraries for the creation of electrically controlled systems. Includes switches, relays, solenoids, counters, push-buttons, and more.</p> <p>1.10 Ladder Logic (PLC)- The software shall implement three Ladder Logic Libraries (or PLC - Programmable Logic Controller). These libraries contain instructions for Ladder Logic, such as contacts, input/output cards, timers, counters, math functions, etc. It shall be simple to conceive and simulate the control elements of an automated system. Combined with other workshops, the Ladder Logic Libraries allow the user to create a complete virtual factory.</p> <p>1.11 SFC - GRAFCET- Allows the user to implement control structures following the IEC-61131 standard with a specialized editor. This language can be used in combination with any other library. The SFC (Sequential Function Chart) - Grafcet allows a more effective approach to control systems. It also provides excellent support for project documentation relating to control systems, pneumatics, hydraulics, or electric as recommended by the ISO and IEC standards.</p> <p>1.12 Digital Electronics- Offers the standard elements necessary for teaching basic logic, such as inverted circuits, logic gates (European and North American Symbols), timers, counters, shift registers, comparators, interrupters, 7-segment decoders, multiplexers etc.).</p> <p>HMI and Control Panels- Allows the easy creation of animated shapes (HMI- Human Machine Interface) and control panels. It reproduces full visual representation of a machine in 2D (synchronized animations with simulation). The movements and animation of all kinds are produced thank to simulator results and variable assignments. This module offers components such as switches, push buttons, potentiometers, measuring instruments, etc.).</p>			
		<i>Sub-Total</i>			4,201,100.00

Warranty shall be for a period minimum of Three (3) months for expendable supplies, or a minimum period of one (1) Year for non-expendable supplies. In case of failure to make 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.

Conformed:  
  
**ENGR. ERIC R. SERRANO**  
**HYTEC POWER, INC.**  
 (Signature over printed name & date) **FEB 26 2021**

Bank Account Name: \_\_\_\_\_  
 Bank Account Number: \_\_\_\_\_  
 Bank Name: \_\_\_\_\_  
 Bank Address: \_\_\_\_\_

Funds Available:  
  
**ELENAMARI TEOFILO**  
 Head, Budget Office

Very truly yours,  
  
**DR. MYRNA Q. MALLARI**  
 President  
 Authorized Official

COMMISSION ON APP. T.S.U.  
**RECEIVED**  
 By: Date: **05 MAR 2021**

ALDRS No. **66-206441-2021-02-0003**  
 Amount: **₱10,000,000**



# PURCHASE ORDER

Procurement Unit

Tel. No.: 045-806-8142 / 806-8153

DELIVERY DUE DATE:

Supplier: **HYTEC POWER, INC.**  
 Address: #2 T. Cruz St., Cruzville, Zabarte Rd., Novaliches, Quezon City  
 Type of Business: Merchandising  
 TIN No.: 229-283-188-000  
 Tel. No.: (02) 417-4333 / 417-5435 / 418-7079 / 419-9138 / 419-9166

PR No.: 2020-09-199  
 PO No.: 2021-056  
 Date: 2/10/2021  
 Mode of Procurement: Public Bidding

Gentlemen:

Please furnish this office the following articles subject to the terms and conditions contained herein:

Place of Delivery: **TABLAC STATE UNIVERSITY**  
 Date of Delivery: \_\_\_\_\_  
 Delivery Term: 30 Calendar Days  
 Payment Term: N/30

Item No.	Unit	Description	Quantity	Unit Cost	Total Cost
		<i>Balance Forwarded</i>			4,201,100.00
		<p>Reports and Bill of Material- Specialized reports or Bills of Material in documents can be independently or directly inserted in the schematic. They allow the creation of HOM of all types, based on technical data, commercial information, or even personalized content. Projects</p> <p>1.13 Unit Systems- The software supports both metric and imperial units' system as well as conversion mechanisms between them.</p> <p>1.14 Project Content- A project can include all documents and reports generated in by the software itself. Its structure includes sub-directories (multi-level). External documents can be attached to a project by hyperlinks.</p> <p>1.15 Project Management and Project Explorer- A screen presents open projects in a Microsoft Windows like hierarchy, presentation, and navigation. From this window, it is possible to open, close, print documents, etc.</p> <p>1.16 Trade Oriented Editors- Every workshop editor respects the Standards which apply to its technology. The Fluid power editor is regulated by ISO Standards but is not limited to it. The Electrical editors are regulated by IEC or NEMA (user choice). The SPC - Grafcet editor is regulated by IEC 1131 Standard.</p> <p>1.17 Project History- The user can manage project's history and keep track of the revisions made.</p> <p>1.18 Properties of Projects and Documents- Project and document properties can be managed using a dedicated tool in order to configure available parameters.</p> <p>1.19 Project Templates- Templates of projects, schematics, and reports can be personalized by adding default attributes such as: Title Block, Bill of Material, Layers, Editing Options, and Personalized Information.</p> <p>1.20 Standard Management- Standards can be defined at different hierarchical levels including: School, Class, Teachers, Students, projects, and documents. They can cover every aspect of a project for both technologies and documentation including: fluid, material, hoses.</p>			
		<i>Sub-Total</i>			4,201,100.00

Warranty shall be for a period minimum of Three (3) months for expendable supplies, or a minimum period of one (1) Year for non-expendable supplies. In case of failure to make 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.

Conforme:   
**EZER ERIC M. S. QUINTANA**  
 HYTEC POWER, INC. FEB 26 2021  
 (Signature over printed name & date)

Very truly yours,  
  
**DR. MYRNA M. MALLARI**  
 President  
 Authorized Official

COMMISSION ON ADON: TSU  
 RECEIVED  
 By: SPG Date: 05-MAR-2021

Bank Account Name: \_\_\_\_\_  
 Bank Account Number: \_\_\_\_\_  
 Bank Name: \_\_\_\_\_  
 Bank Address: \_\_\_\_\_

Funds Available:  
  
**ELENATRAYA TROILO**  
 Head Budget Officer

ALORS No. 06-206441-2021-02-0005  
 Amount: ₱10,000,000



# PURCHASE ORDER

Procurement Unit  
Tel. No.: 045-606-0142/606-0157

DELIVERY DUE DATE:

Supplier: **HYTEC POWER, INC.**  
Address: #2 T. Cruz St., Cruzville, Zabarte Rd., Novaliches, Quezon City  
Type of Business: **Merchandising**  
TIN No.: **229-283-188-000**  
Tel. No.: **(02) 417-4333 / 417-5435 / 418-7079 / 419-9138 / 419-9166**

PR No.: 2020-09-199  
PO No.: 2021-056  
Date: 2/10/2021  
Mode of Procurement: Public Bidding

Gentlemen:

Please furnish this office the following articles subject to the terms and conditions contained herein:

Place of Delivery: **TARLAC STATE UNIVERSITY**  
Date of Delivery:  
Delivery Term: 30 Calendar Days  
Payment Term: N/30

Item No.	Unit	Description	Quantity	Unit Cost	Total Cost
		<p><i>Balance Forwarded</i></p> <p>lines, wires, cables, connectors, font, colors, page layout, naming rules, components, title block, component representation during editing and simulation, etc. Standards can be centralized in a common database shared by all users.</p> <p>1.21 Multilingual Projects- A project integrated translation database shall manage all information required to switch the project from one language to another including texts, pictures, hyperlinks, audios and videos. The user simply chooses the active language and the software shall automatically replace all corresponding information in the project with the equivalent ones found in the translation database. This new feature facilitates the transfer of the projects to foreign trainees or to colleagues or partners abroad.</p> <p>1.22 SCORM Compliance- Shall allow the user to integrate into an existing Learning Management System (LMS) for interactive simulation. Schematic Editor</p> <p>1.23 User friendliness- All editors offer the same common functionalities without having to re-learn a new convention. For each editor, a fixed grid for symbols can be configured. The copy/paste or importation of images of type .JPG and .BMP is also possible.</p> <p>1.24 Components insertion- The drawing of circuits is done with symbols from the libraries or products from manufacturer catalogues. Insertions and connection detections are made automatically by links already present in the schematic</p> <p>1.25 Symbol Appearance- Symbols can be mirrored, turned, rotated and enlarged. Attributes such as color and thickness can be modified according to predefined standards or forces manually.</p> <p>1.26 Links- Jumping lines is done automatically and polyphase lines take shape instantly.</p> <p>1.27 Diagnostic Edition Mode- Diagnostics concerning free connectors, non-assigned variables, identifier copies, direct connections, as well as detection tools for open ways, allow rapid indication of any error in</p>			4,201,100.00
		<i>Sub-Total</i>			4,201,100.00

Warranty shall be for a period minimum of Three (3) months for expendable supplies, or a minimum period of one (1) Year for non-expendable supplies. In case of failure to make 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.

Confirmed:  
  
JODE C. QUIJANO  
HYTEC POWER, INC.  
(Signature over printed name & date)

Bank Account Name: \_\_\_\_\_  
Bank Account Number: \_\_\_\_\_  
Bank Name: \_\_\_\_\_  
Bank Address: \_\_\_\_\_

Funds Available:

ELENA MAY A. LOJEILO  
Head, Budget Office

Very truly yours,

DR. MYRNA Q. MALLARI  
President  
Authorized Official

COMMISSION ON AUDIT  
RECEIVED  
By: Date: 05 June 2021

ALORS No.: 06-204401-2021-02-0002  
Amount: ₱ 10,000,000



# PURCHASE ORDER

Procurement Unit  
Tel. No: 045-606-8142/ 606-8157

DELIVERY DUE DATE:

Supplier: **HYTEC POWER, INC.**  
Address: **#2 T. Cruz St., Cruzville, Zabarte Rd., Novaliches, Quezon City**  
Type of Business: **Merchandising**  
TIN No.: **229-283-188-000**  
Tel. No.: **(02) 417-4333/ 417-5435/ 418-7079/ 419-9138/ 419-9166**

PN No.: **2020-09-199**  
PO No.: **2021-056**  
Date: **2/10/2021**  
Mode of Procurement: **Public Bidding**

Gentlemen:

Please furnish this office the following articles subject to the terms and conditions contained herein:

Place of Delivery: **TARLAC STATE UNIVERSITY**  
Date of Delivery:  
Delivery Term: **30 Calendar Days**  
Payment Term: **N/30**

Item No.	Unit	Description	Quantity	Unit Cost	Total Cost
		<i>Balance Forwarded</i>			4,201,100.00
		<p>the drawing or conception</p> <p>1.28 Layers- The components can be placed on different layers.</p> <p>Other Requirements and Specifications:</p> <p>1.1 Assembly-Grouping- groups and assemblies of components can be created for the purpose of manipulating multiple objects on the schematic or generating a report. Editing functions (add, delete and move components, modify component properties ...) can be used within an existing Assembly or Group, without having to Ungroup or Disassemble its components.</p> <p>1.2 Embedding Component- An embedding component is a quick and easy way of merging parts of a circuit in order to simplify the circuit's representation. An embedding component can be configured and manipulated like any other component and can also be saved in a user defined catalogue.</p> <p>1.3 Information on the Schematic: Displayed Information Different information linked to each component can be displayed on demand on the document or in the component's tooltip.</p> <p>1.4 Formatting (text, fields, etc.)-Independent text fields can be added by the user. For all the posted texts, the format and alignment can be modified.</p> <p>1.5 Drawing Tools-Coupled with the HMI workshop, these drawings allow components to be animated synchronously with the simulation.</p> <p>1.6 Exportation and DXF format files opening-Documents can be exported in DXF, EMF, PDF, and TIF formats. Files in DXF format can be opened.</p> <p>1.7 SFC to Siemens Step 7 PLC Export-The SFC - Grafcet can be exported directly in Siemens TM Step 7 software.</p> <p>1.8 Compatibility with Microsoft Software-User can directly copy and paste to/from Microsoft Word, Power Point, Excel, etc. Documents</p> <p>1.9 Manipulation - Navigation-All classic functions, such as page layout, formatting, positioning, history of revisions, and automatic</p>			4,201,100.00
		<i>Sub-Total</i>			4,201,100.00

Warranty shall be for a period minimum of Three (3) months for expendable supplies, or a minimum period of one (1) Year for non-expendable supplies. In case of failure to make 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

Eric S. Gollman  
HYTEC POWER, INC. FEB 26 2021  
(Signature over printed name & date)

Very truly yours,  
  
DR. MYRNA Q. MALLARI  
President  
Authorized Official

Bank Account Name: \_\_\_\_\_  
Bank Account Number: \_\_\_\_\_  
Bank Name: \_\_\_\_\_  
Bank Address: \_\_\_\_\_

COMMISSION ON AUDIT  
RECEIVED  
By: Date: 05 MAR 2021

Funds Available:  
  
ELENA M. TEOFILU  
Head, Budget Office

ALOBS No.: **06-206441-2021-02-0003**  
Amount: **₱19,000,000**



# PURCHASE ORDER

Procurement Unit

Tel. No.: 045-606-8142/066-8157

DELIVERY DUE DATE:

Supplier: **HYTEC POWER, INC.**  
 Address: **#2 T. Cruz St., Cruzville, Zabarte Rd., Novaliches, Quezon City**  
 Type of Business: **Merchandising**  
 TIN No.: **229-283-189-000**  
 Tel. No.: **(02) 417-4333 / 417-5435 / 418-7079 / 419-9130 / 419-9166**

PR No: 2020-09-199  
 PO No: 2021-056  
 Date: 2/10/2021  
 Mode of Procurement: Public Bidding

Gentlemen:

Please furnish this office the following articles subject to the terms and conditions contained herein:

Place of Delivery: **TARLAC STATE UNIVERSITY**

Date of Delivery:

Delivery Term: 30 Calendar Days  
 Payment Term: N/30

Item No.	Unit	Description	Quantity	Unit Cost	Total Cost
		<p><i>Balance Forwarded</i></p> <p>fields are available. Elements can be superimposed, ordered, aligned, distributed on a schematic and the sequence of layers can be modified by the user.</p> <p>1.10 Revisions-Revision history for each document or for the entire project can be easily managed.</p> <p>1.11 Title Blocks-Drawing tools and automatic fields allow the conception of title blocks to be used in model documents without having to restart from scratch.</p> <p>1.12 Multi-document Circuits-If a circuit is large, it can be divided into several documents. Automatic references authorize simulation of an electric wire or line over multiple documents.</p> <p>1.13 Printing Projects-Printing a project in part or in total can be done in editing mode and also in simulation mode with colors. Print preview shall be also available.</p> <p>1.14 Find &amp; Replace Text-This function allows to find text corresponding to Variables, Expressions, References and Accessories within the open project and replace it when the text content found allows the modification.</p> <p>Component Libraries</p> <p>1.15 Standards-The symbols found in the libraries respect international standards, such as IEC, NEMA, JIC, ISO. Some are manufacturer's standards.</p> <p>1.16 Navigation/Organization-It is possible, with few mouse clicks, to access over 2500 symbols available in the library. The symbols are grouped by technology and function.</p> <p>1.17 Configurators-Configurators allow the user to create complex components such as valves, cylinders, sequencers, tanks, pumps, etc. This greatly increases the number of components available.</p> <p>Manufacturers' Catalogues Manufacturers' catalogues have been developed. Each manufacturer product shall be pre-set and configured according to manufacturer specifications.</p> <p style="text-align: right;"><i>Sub-Total</i></p>			4,201,100.00
					4,201,100.00

Warranty shall be for a period minimum of Three (3) months for expendable supplies, or a minimum period of one (1) Year for non-expendable supplies. In case of failure to make 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.

Very truly yours,

**DR. MYRNA Q. MALLARI**  
 President

Authorized Official

**EYR. ERIC JUNE C. OLIVERA**  
**HYTEC POWER, INC.**  
 (Signature over printed name & date)

Bank Account Name:

Bank Account Number:

Bank Name:

Bank Address:

Funds Available:

**ELENARA J. TEUFILLO**  
 Head, Budget Office

ALDPS No: **06-106441-2021-02-0003**  
 Amount: **₱ 10,000,000**





# PURCHASE ORDER

Procurement Unit

Tel. No.: 045-806-8142/ 606-8157

DELIVERY DUE DATE:

Supplier: **HYTEC POWER, INC.**  
 Address: #2 T. Cruz St., Cruzville, Zabarte Rd., Novaliches, Quezon City  
 Type of Business: Merchandising  
 TIN No.: 229-283-188-060  
 Tel. No.: (02) 417-4333/ 417-5435/ 418-7079/ 419-9138/ 419-9166

PR No.: 2020-09-199  
 PO No.: 2021-056  
 Date: 2/10/2021  
 Mode of Procurement: Public Bidding

Gentlemen:

Please furnish this office the following articles subject to the terms and conditions contained herein:

Place of Delivery: **TARLAC STATE UNIVERSITY**  
 Date of Delivery: \_\_\_\_\_  
 Delivery Term: 30 Calendar Days  
 Payment Term: N/30

Item No.	Unit	Description	Quantity	Unit Cost	Total Cost
		<i>Balance Forwarded</i>			4,201,100.00
		Personalized Libraries 1.18 Creation and Sharing-Personalized libraries can be created and shared on a network. They can also be password protected to avoid their modification. 1.19 Library Explorer-The Library Explorer manages the built-in libraries and also the personalized libraries created by the users. It is possible to insert grouped components in the libraries with variable assignments and re-use these components without having to reconfigure the variables. Component Editor 1.20 Component Properties Window-Each component contains the same type of properties window. The properties are used for simulation (technical data), reports (catalogue information), or for communicating information (user properties defined by hyperlinks of other document types). 1.21 Component Tooltips-Detailed information can be displayed directly on the diagram or in tooltips displayed when hovering over the corresponding components on the screen (Text, video, sound, pictures and any kind of files can be launched from each component's tooltip). 1.22 Multi-selection: Editing Common Properties-In order to effectively edit multiple components in the schematic, it is possible to modify common properties simultaneously, rather than to do it one-by-one. 1.23 Component Sizing Module-Components such as pumps, motors, orifices, lines, accumulators, pistons, etc. shall have sizing sheets enabling the definition of optimal physical characteristics according to desired parameters. Mathematical formulas used by the simulator to calculate data shall also available. Users can create his calculation method based on existing equations.			
		<i>Sub-Total</i>			4,201,100.00

Warranty shall be for a period minimum of Three (3) months for expendable supplies, or a minimum period of one (1) Year for non-expendable supplies. In case of failure to make 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.

Confirmed by:  
  
**ELENITA C. QUINTOS**  
**HYTEC POWER, INC.**  
 FEB 26 2021  
 (Signature over printed name & date)

Very truly yours,  
  
**DR. MYRNA Q. MALLARI**  
 President  
 Authorized Official

COMMISSION ON AUDIT: TSU  
 RECEIVED  
 By: SA Date: 05-MAR-2021

Bank Account Name: \_\_\_\_\_  
 Bank Account Number: \_\_\_\_\_  
 Bank Name: \_\_\_\_\_  
 Bank Address: \_\_\_\_\_

Funds Available:  
  
**ELENA MAY V. TEOFILO**  
 Head, Budget Office

ALJIS No.: 19-20044-21-02-0003  
 Amount: ₱ 10,000,000



# PURCHASE ORDER

Procurement Unit  
Tel. No. 045-606-0142/606-0157

DELIVERY DUE DATE

Supplier: **HYTEC POWER, INC.**  
Address: **#2 E. Cruz St., Cruzville, Zabarte Rd., Novaliches, Tarzon City**  
Type of Business: **Merchandising**  
TIN No.: **229-283-188-000**  
Tel. No.: **(02) 417-4333/417-5435/418-7079/419-9138/419-9166**

PR No.: 2020-09-199  
PO No.: 2021-056  
Date: 2/10/2021  
Mode of Procurement: Public Bidding

Gentlemen:

Please furnish this office the following articles subject to the terms and conditions contained herein:

Place of Delivery: **TARLAC STATE UNIVERSITY**

Date of Delivery:

Delivery Term: 30 Calendar Days  
Payment Term: N/30

Item No.	Unit	Description	Quantity	Unit Cost	Total Cost
		<i>Balance Forwarded</i>			
		<p>1.24 Technical Data-The component's technical data shall serve as input data to the simulator. For some families of components, technical data shall be represented using either numerical values or characteristics curves, whichever suits better the corresponding mathematical models.</p> <p>1.25 Data type-The component's technical data can be either constant specified by a numeric value (mass, diameter, resistance etc.) or variable characterized by a curve/signal (example: pressure loss in a valve, resistive force/torque in a motor) in time domain (evolution of room temperature). The method of creating variables via tables Y(X) allows the SFC - Grafest and controller to emulate any mechanism.</p> <p>1.26 Photos / Images-Photos or images of components are built-in and shall be supplied with the software. The user has the option of adding other pictures or documents to each component in order to enrich the schematic description or convey any pertinent information.</p> <p>1.27 Bill of Material and References-It shall be possible to reference each component on the schematic and to recall on a table the list of components based on those references. Thus, it shall be possible to navigate between the BOM and the schematics using hyperlinks.</p> <p>1.28 Cross-Section Animation-The cross-section animation shows the internal behavior of certain components synchronized with circuit simulation.</p> <p>1.29 Component Modeling-Component Modeling is more visual and tends to be as close as possible to manufacturer specifications. The dynamic part of most of the components is considered mathematically as smooth and can be represented by differential equations. Component performance and efficiency can be represented as parameterized curves or table that represent the global input-output maps.</p>			4,201,100.00
		<i>Sub-Total</i>			4,201,100.00

Warranty shall be for a period minimum of Three (3) months for expendable supplies, or a minimum period of one (1) Year for non-expendable supplies. In case of failure to make 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.

Confirmed:  
  
**ERICK GARCIA**  
**HYTEC POWER, INC.**  
(Signature over printed name & date)  
**FEB 26 2021**

Very truly yours,  
  
**DR. MYRNA Q. MALLARI**  
President  
Authorized Official

COMMISSION ON AUDIT - TSLU  
**RECEIVED**  
By:   
Date: **05-MAR-2021**

Bank Account Name: \_\_\_\_\_  
Bank Account Number: \_\_\_\_\_  
Bank Name: \_\_\_\_\_  
Bank Address: \_\_\_\_\_

Funds Available:  
  
**ELENA MAY T. TROFILO**  
Head, Budget Office

ALHS No.: **06-106447-0021-06-0003**  
Amount: **P 10,000,000**





# PURCHASE ORDER

Procurement Unit  
Tel. No. 045-606-8142 / 606-8157

**DELIVERY DUE DATE:**

Supplier: **HYTEC POWER, INC.**  
Address: #2 T. Cruz St., Croyville, Zabarte Rd., Novaliches, Quezon City  
Type of Business: Merchandising  
TIN No.: 229-283-188-000  
Tel. No.: (02) 417-4333/ 417-5435/ 418-7879/ 419-9130/ 419-9166

PR No.: 2020-09-199  
PO No.: 2021-056  
Date: 2/10/2021  
Mode of Procurement: Public Bidding

Gentlemen:  
Please furnish this office the following articles subject to the terms and conditions contained herein:

Place of Delivery: **TARLAC STATE UNIVERSITY**  
Date of Delivery:  
Delivery Term: 30 Calendar Days  
Payment Term: N/30

Item No.	Unit	Description	Quantity	Unit Cost	Total Cost
		<i>Balance Forwarded</i>			4,201,100.00
		<p>1.30 Fluid modeling-Fluid modeling can also be based on a data mapping which explains viscosity, density and Bulk modulus as a function of temperature and pressure. Fluids can be mixed by using the multi-circuits capability. The characteristics of mixed fluids must be known by the user and are not computerized automatically.</p> <p>Variable Management Variable Types-The variable types shall be compliant to the IEC 61131-3 international standard. All data types shall be supported. Structure of variables (global, internal, components, emitters, receivers). The communication between the various technologies shall be achieved by variable assignments. Variable Manager (creation, modification, filter, etc.)-This module offers a non-modal window that makes it possible to monitor all the variables used by the simulator. The use of filters allows targeting specific variables. Interfaces between the Software and other equipment. Virtual Machine-The software can act as a virtual machine and communicate with other equipment either through OPC client or an I/O interface card. OPC- Client/Server Module-The software shall allow communicating between any peripheral devices for which an OPC server or client is available. Simulation General Simulation-When a project is simulated, all symbols in the system shall become animated or colored. The animations shall be synchronized and the SFC - Grafset/Ladder shall be activated. Plotters and dynamic measuring instruments are refreshed. Simultaneously, the user can mouse click on the</p>			
		<i>Sub-Total</i>			4,201,100.00

Warranty shall be for a period minimum of Three (3) months for expendable supplies, or a minimum period of one (1) Year for non-expendable supplies. In case of failure to make 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.

Customer:  
**HYTEC POWER, INC.**  
(Signature over printed name & date)  
**FEB 26 2021**

Very truly yours,  
**DR. MYRNA D. MALLARI**  
President  
Authorized Official

COMMISSION ON AUDIT  
**RECEIVED**  
By: *[Signature]* Date: **05 MAR 2021**

Bank Account Name:  
Bank Account Number:  
Bank Name:  
Bank Address:

Funds Available  
**ELENAMAY T. TEOFILO**  
Head, Budget Office

ALHIS No.: **04-204941-2021-02-0003**  
Amount: **₱10,000,000**



# PURCHASE ORDER

Procurement Unit  
Tel. No.: 045-606-8142 / 606-8157

**DELIVERY DUE DATE:**

Supplier: **HYTEC POWER, INC.**  
Address: #2 T. Cruz St., Cruzville, Zabarte Bld., Novaliches, Quezon City  
Type of Business: **Merchandising**  
TIN No.: **229-283-188-000**  
Tel. No.: **(02) 417-4333 / 417-5435 / 418-7079 / 419-9138 / 419-9166**

PR No.: 2020-09-199  
PO No.: 2021-056  
Date: 2/10/2021  
Mode of Procurement: Public Bidding

Gentlemen:

Please furnish this office the following articles subject to the terms and conditions contained herein:

Place of Delivery: **TARLAC STATE UNIVERSITY**

Delivery Term: 30 Calendar Days  
Payment Term: N/30

Date of Delivery:

Item No.	Unit	Description	Quantity	Unit Cost	Total Cost
		<i>Balance Forwarded</i> controllable elements. The results of the multi-technology simulation shall be shown through the animated schematics. The user can plot, register, and analyze data calculated by the simulator. All interactions are available during simulation, such as fixing parameters of components using the mouse: circuit controls, external peripheral controls (joystick, wheel, pedal, PLC, etc. Dynamic measuring instruments can be used in order to measure and display data. Modes-System simulation can be launched in normal speed simulation mode: this means using the full calculating capacity of the computer without surpassing the real time. The simulation can be switched to the step-by-step (so that screenshots may be taken) or slow-motion mode. Simulation Pace Time-The user can now select the simulation time step from 10 milliseconds to 0.1 milliseconds allowing for customizable simulation ranging from a complete system simulation to a very precise component-level analysis. Diagnostics-It is possible to declare maximum values for each component and values not to exceed (example: pressures, temperatures, loads). In case of breach, each faulty component will be visually and dynamically indicated on the schematic or eventually failures on component can be triggered. Message Window-The window keeps the user informed of any problems or errors encountered by the editor or simulator. Hyperlinks direct the end user towards the faulty component onto the diagram. Visual Indicators: Data Display (Dynamic Measuring Instruments and Plotter)-The output values calculated by the simulator can be viewed via dynamic measuring instruments, which can easily be inserted in the circuit without modifying its conception, or via a plotter dedicated to fluid or electrotechnical data. These shall allow the tracing of any variables at the component level, such as pressures, flows.			4,201,100.00
<i>Sub-Total</i>					4,201,100.00

Warranty shall be for a period minimum of Three (3) months for expendable supplies, or a minimum period of one (1) Year for non-expendable supplies. In case of failure to make 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.

Confirmyo:  
  
ENR. ELEN MAY TUGELO  
HYTEC POWER, INC. FEB 26 2021  
(Signature over printed name & date)

Very truly yours,  
  
DR. MYRNA Q. MALLARI  
President  
Authorized Official

COMMISSION ON APPROPRIATIONS  
RECEIVED  
By: Date: 05 MAR 2021

Bank Account Name: \_\_\_\_\_  
Bank Account Number: \_\_\_\_\_  
Bank Name: \_\_\_\_\_  
Bank Address: \_\_\_\_\_

Funds Available:  
  
ELEN MAY TUGELO  
Head, Budget Office

ALBIS No. 16-206441-2021-05-003  
Amount: ₱ 10,000,000



# PURCHASE ORDER

Procurement Unit

Tel. No.: 045-806-8142/ 806-8157

DELIVERY DUE DATE:

Supplier: **HYTEC POWER, INC.**  
 Address: **#2 T. Cruz St., Cruzville, Zabarte Rd., Novaliches, Quezon City**  
 Type of Business: **Merchandising**  
 TIN No.: **229-283-188-000**  
 Tel. No.: **(02) 417-4333/ 417-5435/ 418-7079/ 419-9138/ 419-9166**

PI No.: 2020-09-199  
 PO No.: 2021-056  
 Date: 2/10/2021  
 Mode of Procurement: Public Bidding

Gentlemen:

Please furnish this office the following articles subject to the terms and conditions contained herein

Place of Delivery: **TARLAC STATE UNIVERSITY**

Date of Delivery:

Delivery Term: 30 Calendar Days

Payment Term: N/30

Item No.	Unit	Description	Quantity	Unit Cost	Total Cost
		<p><i>Balance Forwarded</i></p> <p>temperatures, loads, intensities, power, etc. It shall be possible to view the direction of the flow with arrows and/or animation. The gravity field can be modified.</p> <p>Hydraulic and Pneumatic Simulation-Temperature, flow, and pressure values can be calculated during simulation. For oil, the evolution of viscosity and density is calculated as a function of temperature. The pressure losses are calculated in the lines as a function of the fluid type and material. Gravity can also be considered. Rigid or flexible lines can also be modeled.</p> <p>Visualization of Pressures and Flows-Configuration of colors exists by default and can be configured. For training purpose, it can be configured to not show any color in order to hide visual information to the trainees.</p> <p>Animated Lines and Detection of Open Paths-The software shall offer an animated view of line flow, as well as a diagnostic of open paths or connections during simulation. This allows the user to click on a line and, from this selection, be able to view all lines that are linked via components open to the initial line. The selection then becomes underlined, including the initial line, while the other lines become dark grey. In simulation mode, a new button can be added to the simulation toolbar.</p> <p>Electrotechnical Simulation-The voltage and current values are calculated by the simulator. Voltage losses can be calculated in electric wires as a function of the type of material used. It is also possible to measure phase displacements.</p> <p>One-Line Diagram Simulation-Three-phase one-line components have such behaviour during the simulation that allows users to view the global functioning of an electric circuit. Load monitoring functions on disconnections and circuit breakers shall allow to view the functioning state of the circuit.</p> <p>Troubleshooting-The modelling of each hydraulic, pneumatic, and</p>			4,201,100.00
		<i>Sub-Total</i>			4,201,100.00

Warranty shall be for a period minimum of Three (3) months for expendable supplies, or a minimum period of one (1) Year for non-expendable supplies. In case of failure to make 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

Comfyone

*[Signature]*  
**DR. MYRNA Q. MALLARI**  
**HYTEC POWER, INC.** FEB 26 2021  
 (Signature over printed name & date)

Very truly yours,

*[Signature]*  
**DR. MYRNA Q. MALLARI**  
 President  
 Authorized Official

Bank Account Name:

Bank Account Number:

Bank Name:

Bank Address:

Funds Available:

*[Signature]*  
**ELENA MAY T. TEUFLO**  
 Head Budget Office

ALORS No.: **06-202441-021-02-0003**  
 Amount: **P10,000,000**





# PURCHASE ORDER

Procurement Unit

Tel. No.: 045-606-8147 / 606-8157

DELIVERY DUE DATE:

Supplier: **HYTEC POWER, INC.**  
 Address: #2 T. Cruz St., Cruzville, Zabarte Rd., Novaliches, Quezon City  
 Type of Business: Merchandising  
 TIN No.: 229-283-180-000  
 Tel. No.: (02) 417-4333 / 417-5435 / 418-7079 / 419-9130 / 419-9166

PR No.: 2020-09-199  
 PO No.: 2021-056  
 Date: 2/10/2021  
 Mode of Procurement: Public Bidding

Gentlemen:

Please furnish this office the following articles subject to the terms and conditions contained herein:

Place of Delivery: **TARLAC STATE UNIVERSITY**  
 Date of Delivery: \_\_\_\_\_  
 Delivery Term: 30 Calendar Days  
 Payment Term: N/30

Item No.	Unit	Description	Quantity	Unit Cost	Total Cost
		<p><i>Balance Forwarded</i></p> <p>electrotechnical components integrates faults that can be triggered during the system simulation. A set of troubleshooting tools (multimeter, hydraulic tester, pressure gages, and thermometer) shall be used to diagnose and repair the problems. Users can quickly and easily perform "What-if" scenarios to resolve potential problems. It is possible to disconnect wires or lines to isolate parts of a circuit, perform measurements, and repair or replace components to solve suspected failures. The set of realistic measuring tools shall include the Multimeter clamp, Oscilloscope, Hydraulic Tester, Multimeter, Thermometer and Manometer to allow circuit measurement of the electric current without having to disconnect wires.</p> <p>Teachware-Course material shall be made available for each technology. It shall provide teachers and trainers with the essentials for preparing course curriculum. It shall include guides, manuals, lectures, videos and lab notes for all levels of discipline.</p> <p>Other Tools</p> <p>Creating Teachware-The Creating Teachware module shall allow defining interactive activities for existing projects and connecting them to other applications. It also can automate repetitive tasks without programming knowledge.</p> <p>Video Recorder-It shall be possible to record and create AVI files with voice that register what the screen is showing. There is also an option to synchronize the recording with the simulation.</p> <p>Sound-The use of sound effects and spoken text is possible during simulation. This allows the creation of fully documented didactic files including sound and animation.</p> <p>Black Box and Function Box-These components shall allow the creation of controllers with visual animation.</p> <p>Hyperlinked Documents-The software shall allow the conception of structured courses in a vertical or transverse way. It is possible to navigate between projects, like an Internet browser. The projects</p>			4,201,100.00
<i>Sub-Total</i>					4,201,100.00

Warranty shall be for a period minimum of Three (3) months for expendable supplies, or a minimum period of one (1) Year for non-expendable supplies. In case of failure to make 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.

Conformed to:  
  
**ELENITA M. TEOPILA**  
 HYTEC POWER, INC. FEB 26 2021  
 (Signature over printed name & date)

Bank Account Name: \_\_\_\_\_  
 Bank Account Number: \_\_\_\_\_  
 Bank Name: \_\_\_\_\_  
 Bank Address: \_\_\_\_\_

Very truly yours,  
  
**DR. MYRNA G. MALLARI**  
 President  
 Authorized Official

COMMISSION ON AUDIT - TSU  
 RECEIVED  
 By: SEP Date: 05 MAR 2021  
 Title: \_\_\_\_\_

**ELENA M. TEOPILA**  
 Head, Budget Office

ALDHS No.: 16-20199-2021-02-0003  
 Amount: ₱10,000,000



# PURCHASE ORDER

DELIVERY DUE DATE:

Procurement Unit

Tel. No.: 845-606-8342 / 606-4157

Supplier: **HYTEC POWER, INC.**  
 Address: #2 T. Cruz St., Cruzville, Zabarte Rd., Novaliches, Quezon City  
 Type of Business: Merchandising  
 TIN No.: 229-283-188-000  
 Tel. No.: (02) 417-4333 / 417-5435 / 418-7079 / 419-9138 / 419-9166

PR No.: 2020-09-199  
 PO No.: 2021-056  
 Date: 2/10/2021  
 Mode of Procurement: Public Bidding

Gentlemen:

Please furnish this office the following articles subject to the terms and conditions contained herein:

Place of Delivery: **TARLAC STATE UNIVERSITY**

Date of Delivery:

Delivery Term: 30 Calendar Days

Payment Term: N/30

Item No.	Unit	Description	Quantity	Unit Cost	Total Cost
		<i>Balance Forwarded</i>			4,201,100.00
2	set	<p>can be hyperlinked with each other.            Demonstration Files-Several demonstration circuits shall be made available for each technology and can be modified by the user.            The following functions shall be available also to ensure greater user flexibility:</p> <ul style="list-style-type: none"> <li>• Translation Manager: Display content visible on schematics or tooltips in the chosen language</li> <li>• Display functions: references, satellites, highlight links, etc.</li> <li>• Navigation by links created between components and documents</li> <li>• Layer selection and display</li> </ul> <p>Printing project documentation</p> <p><b>INTELLIGENT BUILDING ENGINEERING TECHNOLOGY TRAINING EQUIPMENT, (Network Communication System, Comprehensive Cabling System)</b></p> <p>-The Equipment must be Compliant to WorldSkills ASEAN Skills Standard</p> <p><b>TECHNICAL DESCRIPTION:</b></p> <ul style="list-style-type: none"> <li>• The trainer is a Hybrid Network Communication and Comprehensive Cabling System has can perform network and cabling, LAN, WAN up to Fiber Optic Experiments.</li> <li>• The equipment is composed of building model platform, system device, auxiliary material and tools.</li> <li>• The building model platform mainly includes platform frame, mesh mounting plate, power input protection and alarm unit, standard 19-inch open rack and chassis.</li> <li>• System devices includes power, network, monitoring, display, input and output devices etc.; auxiliary material includes wire, fasteners.</li> <li>• Tools includes ladder, commonly used and special tools.</li> <li>• The software is composed of special system software and general monitoring software.</li> <li>• The students can do operation of "network communication system"</li> </ul>	1	2,286,200.00	2,286,200.00
<i>Sub-Total</i>					6,487,300.00

Warranty shall be for a period minimum of Three (3) months for expendable supplies, or a minimum period of one (1) Year for non-expendable supplies. In case of failure to make 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.

Very truly yours,

**DR. MYRNA Q. MALLARI**  
 President

Authorized Official

02-16-21

Conforms to:  
**DR. JUDGE C. SOJIMAN**  
 HYTEC POWER, INC.  
 (Signature over printed name & date)

FEB 26 2021

Bank Account Name:

Bank Account Number:

Bank Name:

Bank Address:

Funds Available:

**ELENA MAY A. TRAFILA**  
 Head, Budget Office

COMMISSION ON ADMIT-TSU

RECEIVED

By: [Signature] Date: [Date] Time: [Time]

ALDPS No.: 11-206941-2021-02-0003  
 Amount: ₱ 10,000,000 -



# PURCHASE ORDER

DELIVERY DUE DATE:

Procurement Unit  
Tel. No.: 045-606-8142/ 606-8157

Supplier: **HYTEC POWER, INC.**  
Address: #2 T. Cruz St., Gruzville, Zabarte Rd., Novaliches, Quezon City  
Type of Business: Merchandising  
TIN No.: 229-283-188-000  
Tel. No.: (02) 417-4333/ 417-5435/ 418-7079/ 419-9138/ 419-9166

PR No.: 2021-09-199  
PO No.: 2021-056  
Date: 2/10/2021  
Mode of Procurement: Public Bidding

Gentlemen:

Please furnish this office the following articles subject to the terms and conditions contained herein:

Place of Delivery: **TARLAC STATE UNIVERSITY**  
Date of Delivery: \_\_\_\_\_  
Delivery Term: 30 Calendar Days  
Payment Term: N/30

Item No.	Unit	Description	Quantity	Unit Cost	Total Cost
		<p><i>Balance Forwarded</i></p> <p>and "comprehensive cabling system" such as installation, cabling, wiring, configuration, measurement, analysis, debugging, maintenance and etc., to understand each system (buildings, equipment, management, vertical and horizontal lines, workspace) in the actual application and master basic technical points.</p> <ul style="list-style-type: none"> <li>The capabilities of students' teamwork, communication, planning organization, project implementation will be tested and improve comprehensive vocational skills.</li> </ul> <p><b>THE EQUIPMENT SHALL HAVE TECHNICAL PARAMETERS:</b></p> <ul style="list-style-type: none"> <li>Power input: single-phase three-wire, AC220V + 7 - 10%, 60Hz.</li> <li>Safety protection: grounding, leakage (action current <math>\leq 30mA</math>), overvoltage, overload, short circuit, and over-step trip.</li> <li>Power consumption: <math>\leq 400W</math>.</li> <li>Machine weight: <math>\leq 200KG</math>.</li> <li>External dimension (width x depth x height) : 2006mm (single room) x 1003mm x 2410mm.</li> </ul> <p><b>THE EQUIPMENT SHALL HAVE TECHNICAL CONFIGURATION:</b> Bench Frame 1set, Mesh Installation Plate 1batch, Simulated Beam-Column 2pc, Power Input protection and alarm unit (Current limiting component, leakage protection module and alarm auxiliary contact head) 1set, 19 inch open type rack 1set, 19 inch open type chassis (4U, wall-mounted type) 1set, End-user information box 1set, Data/ voice module 1pc, Cable TV signal module 1pc, Weak current monitoring/ security module 1pc, PDU power strip plate 1pc, Non-shielded RJ45 socket module 12pc, 24 bit RJ45 Socket 2pc, Coils 8pc, Optical Fiber Module 2pc, Fiber Optical Transceiver 2pc, 24 port Ethernet exchange 1set, SPC exchange 1set, Telephone 2pc, LCD TV 1set, Network infrared camera 1set, AV RF Cable 50meter, Multimode optical cable (12 core) 50meter, Optical fiber pigtail 24pc, RJ45 Network jump cable UTP (2m) 24pc, Voice jump cable UTP (2m) 12pc, SC optical fiber jump cable (3m) 8pc, IDC voice module (4 pair) 40pc, IDC voice</p>			6,487,300.00
<i>Sub-Total</i>					6,487,300.00

Warranty shall be for a period minimum of Three (3) months for expendable supplies, or a minimum period of one (1) Year for non-expendable supplies. In case of failure to make 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.

Contracted by:  
  
**ERIC JUDE C. SOMMARIVA**  
HYTEC POWER, INC. **FEB 26 2021**  
(Signature over printed name & date)

Very truly yours,  
  
**DR. MYRNA Q. MALLARI**  
President  
Authorized Official

Bank Account Name: \_\_\_\_\_  
Bank Account Number: \_\_\_\_\_  
Bank Name: \_\_\_\_\_  
Bank Address: \_\_\_\_\_

COMMISSION ON AUDIT - T.S.U.  
**RECEIVED**  
By: Date: **05-MAR-2021**

Funds Available:  
  
**ELENORA T. TROILO**  
Head, Budget Office

ALIBIS No.: 16-20191-2021-01-8005  
Amount: ₱10,000,000



# PURCHASE ORDER

Procurement Unit

Tel. No. 045-606-8142 / 606-0157

DELIVERY DUE DATE:

Supplier: **HYTEC POWER, INC.**  
 Address: #2 T. Cruz St., Cruzville, Zabarte Rd., Noyales, Quezon City  
 Type of Business: Merchandising  
 TIN No.: 229-283-188-000  
 Tel. No.: 1021417-4333 / 417-5435 / 419-7079 / 419-9138 / 419-9166

PR No.: 2020-09-199  
 PO No.: 2021-056  
 Date: 2/10/2021  
 Mode of Procurement: Public Bidding

Gentlemen:

Please furnish this office the following articles subject to the terms and conditions contained herein:

Place of Delivery:

**TARLAC STATE UNIVERSITY**

Date of Delivery:

Delivery Term:

30 Calendar Days

Payment Term:

N/30

Item No.	Unit	Description	Quantity	Unit Cost	Total Cost
		<p style="text-align: right;"><i>Balance Forwarded</i></p> module (5 pair) 10pc, Non-shield RJ11 socket 100pc, Non-shield RJ45 socket 100pc, 110 jumper clamp and testing experiment modu 1set, RJ45 Network cable making and testing experi 1set, Bridge and related accessories 1batch, PVC trunking and related accessories 1batch, Bellow and related accessories 1batch, Fixed part 100pc, Self-tapping screw 1batch, Flexible cord 0.3mm <sup>2</sup> (yellow, green, red, blue, black) 1batch, Flexible cord 1.0mm <sup>2</sup> (red, black, yellow, green) 1batch, Video cable SYV75-3 1batch, BNC Video source JS-3 (metric) 1batch, Cable TV F source 1batch, DC power source 1batch, Solder wire 1roll, Rubber tape 2roll, Marking tube 1roll, Ribbon 4pack, Trestle ladder 1pc, Working bench 1set, Vice 1pc, Toolbox 1pc, Transparent component box 1pc, Digital Multimeter (9v battery) 1pc, PN-5 (9v battery) 1pc, Optical power meter (9v battery) 1pc THE EQUIPMENT SHALL HAVE THE FOLLOWING TRAINING CONTENTS: •System installation, cabling, wiring, programming, commissioning, operation, maintenance, and repair •Installation of open type rack, chassis, distribution rack and other infrastructure •Installation and cabling of the bridge and related accessories •Installation and cabling of trunking and related accessories •Installation and cabling of bellow and related accessories •Installation of various integrated cabling device and module •Connector pressing, jumper and various bus making and testing •Installation of Information module •Terminal connection and testing of distribution rack •Installation and testing of copper cable management system •Installation and testing of optical cable management system •Quick cold pressing terminal connection and testing of cable and terminator •Fiber-optic transceiver connection and signal conversion			6,487,300.00
		<i>Sub-Total</i>			6,487,300.00

Warranty shall be for a period minimum of Three (3) months for expendable supplies, or a minimum period of one (1) Year for non-expendable supplies. In case of failure to make 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.

Confirmed by:  
**ENR ERIC JUDE S. COLIMAN**  
**HYTEC POWER, INC.**  
 FEB 26 2021

(Signature over printed name & date)

Bank Account Name:

Bank Account Number:

Bank Name:

Bank Address:

Funds Available:

**ELENORITA TEOFILO**  
 Head, Budget Office

Very truly yours,

**DR. MYRNA Q. MALLARI**  
 President

Authorized Official

COMMISSION ON AUDIT - TSH

**RECEIVED**  
 MAR 2021

By: *SP9*

Date:

Term:

ALDIS No.: 06-206941-2021-02-0003

Amount: ₱10,000,000



# PURCHASE ORDER

Procurement Unit  
Tel. No.: 045-606-8142/606-8157

<b>DELIVERY DUE DATE:</b>	
PR No.:	2020-09-199
PO No.:	2021-056
Date:	2/10/2021
Mode of Procurement:	Public Bidding

Supplier: **HYTEC POWER, INC.**  
 Address: #2 T. Cruz St., Cruzville, Zabarte Rd., Novaliches, Quezon City  
 Type of Business: Merchandising  
 TTN No.: 229-283-188-900  
 Tel. No.: (02) 417-4333/417-5435/418-7079/419-9138/419-9166

Gentlemen:

Please furnish this office the following articles subject to the terms and conditions contained herein:

Place of Delivery:	<b>TARLAC STATE UNIVERSITY</b>	Delivery Term:	30 Calendar Days
Date of Delivery:		Payment Term:	N/30

Item No.	Unit	Description	Quantity	Unit Cost	Total Cost
3	set	<p><i>Balance Forwarded</i></p> <ul style="list-style-type: none"> <li>•Installation and testing of network communication management system</li> <li>•Ethernet switch LAN connection and distribution</li> <li>•Connection and debugging training of telephone program-controlled switch and telephone</li> <li>•Installation and testing of network camera, televisions, telephones, and other residential terminal equipment</li> <li>•Residential intelligent monitoring and management</li> <li>•Cable link speed and quality testing</li> <li>•Copper cable, fiber optic cable fault troubleshooting</li> </ul> <p><b>INTELLIGENT BUILDING SYSTEM INTEGRATION AND INTERNET OF THINGS TECHNOLOGY TRAINING EQUIPMENT.</b> Power input: single phase and three wires /AC220V/60Hz; Safety protection: Grounding/leakage (action current ≤30mA)/ overvoltage/overload/short circuit, screen protection, Overall power consumption: ≤100W (don't contain computer, computer≤300W), AC power output: two route isolation, DC power output: DC5V/2.5A, DC12V/2A; DC24V/1.5A; Adjustable DC power output: DCD-30V/2A, Total weight: 200kg Dimension (LxWxH): a) 1580mm×720mm×1760mm (Frame part), b) 2040mm×720mm×1760mm (fixed with both sides Spherical camera and warning lights)</p> <p>The equipment shall have the following training contents:</p> <ol style="list-style-type: none"> <li>1. System wiring plugging, programming, commissioning, operation, maintenance and repair</li> <li>2. High-definition coaxial video signal and hard disk recorder connection</li> <li>3. High-speed dome camera, infrared gun-type camera and monitor and hard disk recorder connection and monitoring</li> <li>4. Through hard disk recorder control high-speed dome camera PTZ movement and lens action</li> </ol>	1	2,090,900.00	2,090,900.00
<i>Sub-Total</i>					<b>2,090,900.00</b>

Warranty shall be for a period minimum of Three (3) months for expendable supplies, or a minimum period of one (1) Year for non-expendable supplies. In case of failure to make 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.

Contract No. **HYTEC-PO-2021-02**  
**HYTEC POWER, INC.**  
 [Signature over printed name & date] **FEB 26 2021**

Very truly yours,  
**DR. MYRNA Q. MALLARI**  
 President  
 Authorized Official

Bank Account Name: \_\_\_\_\_  
 Bank Account Number: \_\_\_\_\_  
 Bank Name: \_\_\_\_\_  
 Bank Address: \_\_\_\_\_

**COMMISSION ON AUDIT - TSLU**  
**RECEIVED**  
 BY: **SM** Date: **10 MAR 2021**

Funds Available:  
**ELENA MAY T. TEORILLO**  
 Head/Budget Office

ALOS No.: **06-206441-2021-02-000**  
 Amount: **₱10,000,000**





# PURCHASE ORDER

Procurement Unit  
Tel. No.: 045-006-0142 / 006-0157

DELIVERY DUE DATE:

Supplier: **HYTEC POWER, INC.**  
Address: #2 T. Cruz St., Cruzville, Zabarte Rd., Bayaliches, Quezon City  
Type of Business: Merchandising  
TTN No.: 229-283-188-999  
Tel. No.: (02) 417-4333 / 417-5435 / 418-7079 / 419-9138 / 419-9166

PR No.: 2020-09-199  
PO No.: 2021-056  
Date: 2/10/2021  
Mode of Procurement: Public Bidding

Gentlemen:

Please furnish this office the following articles subject to the terms and conditions contained herein:

Place of Delivery: **TARLAC STATE UNIVERSITY**  
Date of Delivery: \_\_\_\_\_  
Delivery Term: 30 Calendar Days  
Payment Term: N/30

Item No.	Unit	Description	Quantity	Unit Cost	Total Cost
		<i>Balance Forwarded</i>			8,578,200.00
		5. Through hard disk recorder set and adjust the high-speed dome camera PTZ presetting and cruise			
		6. Dynamic monitoring screen changes and automatic recording of peripheral alarm			
		7. Passive infrared intrusion detector, active infrared detectors, sound and light alarm and hard disk recorder connection and setting			
		8. Video monitoring system and the surrounding security system linkage			
		9. LAN monitoring of network video surveillance management software			
		10. LonMaker software installation and Plug-in registration			
		11. Connection of light illumination switch, halogen lamp and the DDC control module and Event Scheduler function module schedule programming			
		12. Connection of light sensor, LED light, and DDC control module and analog input and output programming of Universal Input function module			
		13. Connection of passive infrared detectors, fluorescent lamp and DDC control module and delay programming of Universal Input function module			
		14. Connection of triple scene button, fluorescent tube and DDC control module and digital logic programming of State Machine function module			
		15. Connection of emergency switch and DDC control module and analog logic programming of Analog Function function module			
		16. Light intensity sensor detection training based on CAN bus and GSM communication			
		17. Air quality sensor detection training based on CAN bus and GSM communication			
		18. Air temperature and humidity sensor testing, and training based on CAN bus and GSM communication			
		<i>Sub-Total</i>			8,578,200.00

Warranty shall be for a period minimum of Three (3) months for expendable supplies, or a minimum period of one (1) Year for non-expendable supplies. In case of failure to make 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.

Contract No. **HYTEC/PO/056/2021**  
**HYTEC POWER, INC.** FEB 26 2021  
(Signature over printed name & date)

Very truly yours,  
**DR. MYRNA Q. MALLARI** 02-16-21  
President  
Authorized Official

Bank Account Name: \_\_\_\_\_  
Bank Account Number: \_\_\_\_\_  
Bank Name: \_\_\_\_\_  
Bank Address: \_\_\_\_\_

COMMISSION ON AUDIT - TSU  
**RECEIVED**  
By: **DD** Date: **05 MAR 2021**

Funds Available:  
**ELENA MAY T. TEOPULO**  
Head, Budget Office

ALDIS No.: **04-200491-001-01-0003**  
Amount: **₱10,000,000**



# PURCHASE ORDER

Procurement Unit  
Tel. No. 045-606-0142/000-0157

DELIVERY DUE DATE:

Supplier: **HYTEC POWER, INC.**  
Address: #2 T. Cruz St., Cruzville, Zabarte Rd., Navaliches, Quezon City  
Type of Business: Merchandising  
TIN No.: 229-203-198-009  
Tel. No.: (02) 417-4333/ 417-5435/ 418-7079/ 419-9138/ 419-9166

PR No.: 2020-09-199  
PO No.: 2021-056  
Date: 2/10/2021  
Mode of Procurement: Public Bidding

Gentlemen:

Please furnish this office the following articles subject to the terms and conditions contained herein:

Place of Delivery: **TARLAC STATE UNIVERSITY**  
Date of Delivery: \_\_\_\_\_  
Delivery Term: 30 Calendar Days  
Payment Term: N/30

Item No.	Unit	Description	Quantity	Unit Cost	Total Cost
		<i>Balance Forwarded</i>			8,578,200.00
		19. Soil temperature and humidity sensor testing, and training based on CAN bus and GSM communication			
		20. Carbon dioxide sensor testing, and training based on CAN bus and GSM communication			
		21. PM2.5 detection training based on CAN bus and GSM communication			
		22. Weight sensor detection training based on CAN bus and GSM communication			
		23. Flame sensor detection training based on CAN bus and GSM communication			
		24. Human pyroelectric sensor detection training based on CAN bus and GSM communication			
		25. Security detection training based on CAN bus and GSM communication			
		26. Electric curtain control training based on CAN bus and GSM communication			
		27. Lighting control training based on CAN bus and GSM communication			
		28. Air valve control training based on CAN bus and GSM communication			
		29. Water valve control training based on CAN bus and GSM communication			
		30. Plant watering control training based on CAN bus and GSM communication			
		31. Fish feeding control training based on CAN bus and GSM communication			
		32. Air purifier control training based on CAN bus and GSM communication			
		33. Cold and warm fan control training based on CAN bus and GSM communication			
		34. LCD monitor control training based on CAN bus and GSM communication			
		<i>Sub-Total</i>			8,578,200.00

Warranty shall be for a period minimum of Three (3) months for expendable supplies, or a minimum period of one (1) Year for non-expendable supplies. In case of failure to make 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.

Confirmed by:   
**ELEN MAY PACHECO**  
HYTEC POWER, INC. FEB 26 2021  
(Signature over printed name & date)

Very truly yours,  
  
**DR. MYRNA Q. MALLARI**  
President  
Authorized Official

COMMISSION ON APPROPRIATIONS  
**RECEIVED**  
By: Date: 05 MAR 2021

Bank Account Name: \_\_\_\_\_  
Bank Account Number: \_\_\_\_\_  
Bank Name: \_\_\_\_\_  
Bank Address: \_\_\_\_\_

Funds Available: \_\_\_\_\_  
  
**ELEN MAY PACHECO**  
Head, Budget Office

ALOS No.: #6-206941-202102-0003  
Amount: ₱10,000,000.00



# PURCHASE ORDER

DELIVERY DUE DATE:

Procurement Unit  
Tel. No. 045-806-8142 / 606-8157

Supplier: **HYTEC POWER, INC.**  
Address: #2 T. Cruz St., Croyville, Zaharte Rd., Novales, Quezon City  
Type of Business: Merchandising  
TIN No.: 229-283-188-000  
Tel. No.: (02) 417-4333 / 417-5435 / 418-7079 / 419-9130 / 419-9166

PR No.: 2020-09-199  
PO No.: 2021-056  
Date: 2/10/2021  
Mode of Procurement: Public Bidding

Gentlemen:

Please furnish this office the following articles subject to the terms and conditions contained herein

Place of Delivery: **TARLAC STATE UNIVERSITY**  
Date of Delivery: \_\_\_\_\_  
Delivery Term: 30 Calendar Days  
Payment Term: N/30

Item No.	Unit	Description	Quantity	Unit Cost	Total Cost
		<i>Balance Forwarded</i>			8,578,200.00
		communication			
		35. Electric lock control training based on CAN bus and GSM communication			
		36. Infrared learning and control training based on WIFI communication			
		37. PC monitoring training based on CAN bus			
		38. Android monitoring training based on GSM communication			
		39. Intelligent household monitoring training based on WIFI communication			
		40. Integrated monitoring software through the video interface server connect hard disk recorder and monitor screen in real-time			
		41. Integrated monitoring software through the DDE interface server connect OBC host module and monitor data in real-time			
		42. Integrated monitoring software through the Internet of Things interface server connect the CAN bus and monitor data in real-time			
		43. Comprehensive integrated monitoring and management training of SAS, BAS and IOT integrated system based on intelligent building integrated monitoring software			
		The training equipment shall have the following configuration: Aluminum bracket with brake universal wheel, handle (1 set), Fireproof board (1 set), Electrical box (1 pc), Protective barrier (1 pc), LCD 19 inch (1 pc), Detection actuator Function control circuit board, inductance coil, contactor, and relay (1 pc), 2P air switch (3 pc), Leakage protection module (2 pc), Alarm module (1 pc), Self-reset button (1 pc), Emergency switch (1 pc), AC220V guide rail three-plug module (1 pc), AC220V guide rail two-plug module (1 pc), DC0-30V adjustable switch power (1 pc), Adjustable potentiometer (1 pc), DC digital voltage ammeter (1 pc), Four-layer alarm light (1 pc), 10A safety plug terminal (1 pc), 5A safety plug terminal (1 pc), hard disk recorder (1 pc), SATA hard disk (1 pc), LCD monitor (1 pc), High speed dome camera (1 pc), Infrared camera (1 pc), Self-lock button			
		<i>Sub. Total</i>			8,578,200.00

Warranty shall be for a period minimum of Three (3) months for expendable supplies, or a minimum period of one (1) Year for non-expendable supplies. In case of failure to make 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.

Contracted by:  
**ENGR. ERIC JUDS C. COLIMAN**  
HYTEC POWER, INC.  
(Signature over printed name & date) FEB 26 2021

Mary Trine Young  
**DR. MYRNA G. MALLARI** 02-16-21  
President  
Authorized Official

COMMISSION ON AUDIT - TSU  
**RECEIVED**  
By: **AP** Date: **05 MAR 2021**

Bank Account Name: \_\_\_\_\_  
Bank Account Number: \_\_\_\_\_  
Bank Name: \_\_\_\_\_  
Bank Address: \_\_\_\_\_

Funds Available:  
**ELENY MAY T. TROFLO**  
Head, Budget Office

ALORS No. **05-16441-2021-02-0003**  
Amount: **₱16,040,000**



# PURCHASE ORDER

Procurement Unit  
Tel. No.: 005-906-8142/606-8157

**DELIVERY DUE DATE**

Supplier: **HYTEC POWER, INC.**  
Address: #2 T. Cruz St., Cruzville, Zaharte Rd., Novaleses, Quezon City  
Type of Business: Merchandising  
TIN No.: 229-283-188-000  
Tel. No.: [02] 417-4333/417-5435/418-7079/419-9138/419-9166

PR No.: 2020-09-199  
PO No.: 2021-056  
Date: 2/10/2021  
Mode of Procurement: Public Bidding

Gentlemen:  
Please furnish this office the following articles subject to the terms and conditions contained herein:

Place of Delivery: **TABLAC STATE UNIVERSITY**  
Date of Delivery:  
Delivery Term: 30 Calendar Days  
Payment Term: N/30

Item No.	Unit	Description	Quantity	Unit Cost	Total Cost
		<i>Balance Forwarded</i> with DC24V green indicator light Simulate passive curtain detector and active detector (2 pc), Relay switching circuit board 2 pcs (1 pc), DC12V buzzer 1 pc (1 pc), Video monitoring management software 1 pc (1 pc), Video Monitoring Wireless client software (1 pc), Host monitor module 1 pc LonWorks bus DDC (1 pc), LON network adapter (1 pc), Self-lock button with DC24V green indicator light simulate illuminous switch, passive infrared probe and emergency switch (3 pc), Self-reset button with DC24V red indicator light (3 pc), DC24V yellow indicator light (4 pc), Relay switching circuit board (10 pc), Potentiometer simulate illuminous sensor (1 pc), DC voltage adjustment conversion circuit board (1 pc), DC voltage input transmission digital tube simulate LED light (1 pc), DDC program software Plug-in program LonMaker3.12 (1 pc), Embed host board ARM (8 pc), AC electric, water valve and air valve module (1 pc), Illuminous sensor and electric curtain module (1 pc), PM2.5 air quality sensor module (1 pc), Air, earth temperature and humidity sensor and plant irrigation module (1 pc), Pyroelectric sensor module (1 pc), Pet feed and weighing module (1 pc), Fire and carbon dioxide sensor module (1 pc), Security and access control module (1 pc), CAN communication adapter (1 pc), Wi-Fi directional infrared controller (1 pc), Wireless router (1 pc), USB wireless network card (1 pc), GSM module (1 pc), WiFi touch screen terminal Android system (1 pc), Self-lock button with DC6.3V green indicator light simulate passive curtain probe (1 pc), Self-reset button with DC6.3V red indicator light (2 pc), DC6.3V yellow indicator light (7 pc), DC6.3V green indicator light (1 pc), DC6.3V red indicator light (1 pc), PM2.5 detector simulator potentiometer A/D transmit, RS232 communication protocol output (1 pc), Carbon dioxide sensor simulator (1 pc), Pressure transmit simulator (1 pc), Air conditioner, air purifier and TV simulator infrared remote receive (1 pc), infrared remoter (1 pc), ARM emulator (1 pc)			8,578,200.00
		<i>Sub-Total</i>			8,578,200.00

Warranty shall be for a period minimum of Three (3) months for expendable supplies, or a minimum period of one (1) Year for non-expendable supplies. In case of failure to make 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.

Confirmed by:  
**ENRICO JUDS S. QUINTRA**  
HYTEC POWER, INC. FEB 26 2021  
(Signature over printed name & date)

Very truly yours,  
**DR. MYRNA Q. MALLARI**  
President  
Authorized Official

Bank Account Name:  
Bank Account Number:  
Bank Name:  
Bank Address:

COMMISSION ON AUDIT - TSL  
RECEIVED  
By: *[Signature]* Date: 05 MAR 2021

Funds Available:  
**ELENA MAYA TROBILS**  
Head, Budget Office

ALDS No.: 06-200441-202102-0003  
Amount: ₱ 8,600,000



# PURCHASE ORDER

Procurement Unit  
Tel. No.: 095-006-0142 / 006-0157

DELIVERY DUE DATE:

Supplier: **HYTEC POWER, INC.**  
Address: #2 E. Cruz St., Cruzville, Zabarte Rd., Novaliches, Quezon City  
Type of Business: Merchandising  
TIN No.: 229-283-188-000  
Tel. No.: (02) 417-4333 / 417-5435 / 410-7079 / 419-9138 / 419-9166

PR No.: 2020-02-199  
PO No.: 2021-056  
Date: 2/10/2021  
Mode of Procurement: Public Bidding

Gentlemen:

Please furnish this office the following articles subject to the terms and conditions contained herein:

Place of Delivery: **TARLAC STATE UNIVERSITY**

Date of Delivery:

Delivery Term: 30 Calendar Days

Payment Term: N/30

Item No.	Unit	Description	Quantity	Unit Cost	Total Cost
4	set	<p style="text-align: right;"><i>Balance Forwarded</i></p> <p><b>REFRIGERATION AND AIRCONDITIONING FOR SKILLS COMPETITION</b>, The Equipment must be Compliant to WorldSkills ASEAN Skills Standard</p> <p>General Description: The equipment shall consist of Operation bench and training bench (1 set). The operation bench shall be equipped with various tools. The training bench shall be made of aluminum alloy training bench, control module and refrigeration system components (1 set). A mesh plate shall be installed on the aluminum alloy bench which shall facilitate the installation of pipelines, components and the electrical wiring (1 pc). The control module shall be equipped with two digital display temperature controllers to control the temperature of the two water tanks in real time (1 pc). The installation of two pressure gauges can intuitively see the operating condition of the equipment (1 pc). Through this equipment, the technology of pipeline making, equipment installation, electrical wiring, operation and debugging can be learned, which can strengthen students' understanding of the refrigeration system and contribute to the comprehensive quality cultivation (1 pc)</p> <p>Technical parameters: 1. Input power: AC 220V, 10%, 60Hz 2. Input power: 0.6kw 3. Working Environment: Temperature: -10°C~+40°C, Relative humidity: ≤90% (+20°C), Altitude: ≤4000m, Clean air, no corrosive and explosive gas, no conductive and insulating dust 4. Dimension: L*W*H = 1500mm × 650mm × 1800mm 5. Safety: With grounding protection, leakage protection and its safety comply with relevant national standards. High-insulation safety sockets and high-strength safety test leads with insulating sheaths will be used.</p>	1	1,421,800.00	8,578,200.00 1,421,800.00
					<b>10,000,000.00</b>

(Total Amount in Words) Ten Million Pesos Only

Warranty shall be for a period minimum of Three (3) months for expendable supplies, or a minimum period of one (1) Year for non-expendable supplies. In case of failure to make 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.

Very truly yours,

DR. MYRNA Q. MALLARI  
President

Authorized Official

Conformed to:  
JAC JUDGE C. COLUMAN  
HYTEC POWER, INC. FEB 26 2021

Bank Account Name: \_\_\_\_\_  
Bank Account Number: \_\_\_\_\_  
Bank Name: \_\_\_\_\_  
Bank Address: \_\_\_\_\_

COMMISSION ON AUDIT: TSLU  
RECEIVED  
By: [Signature] Date: 05 MAR 2021

Funds Available:  
ELENA MARY T. TEJEDA  
Head, Budget Office

ALDPS No. 49-200441-2021-02-0002  
Amount: ₱10,000,000