

Republic of the Philippines  
**University of Southeastern Philippines**  
 Obrero Campus, Bo. Obrero Davao City  
**COLLEGE OF ENGINEERING**  
**Request for Quotation**

PR # 2019-11-1526  
 Date: 22 Nov. 2019

Company Name : \_\_\_\_\_  
 Address: \_\_\_\_\_

Please quote your lowest price on the items / listed below, subject to the General Condition on the last page, stating the shortest time of delivery and submit your quotation duly signed by your representative not later than \_\_\_\_\_ in the return envelope attached herewith

**DR. REYNILO D. GARCIA**  
 BAC Chairman

- Note :
1. All entries must be typewritten.
  2. Delivery Period within \_\_\_\_\_ calendar days upon receipt of Purchase Order.
  3. Warranty shall be for a period of six ( 6 ) months for supplies and materials, one ( 1 ) year for Equipment, from date of acceptance by the procuring entity.
  4. Price validity shall be a period of 30 calendar days.
  5. G-EPS Registration Certificate shall be attached upon submission of the Quotation.
  6. Bidders shall submit Original Brochures showing certification of the product being offered (optional).
  7. Mode of delivery: [ ] Pick-up (Schedule) [ x ] Door to Door Delivery

Item No.	Unit	ITEM AND DESCRIPTION	QTY.	BID PRICE	
				UNIT PRICE	TOTAL AMOUNT
<b>1</b>	<b>lot</b>	<b>Solar Home System (SHS) Components &amp; Electronic Supplies</b>	<b>1</b>		
		<b>Solar Home System (SHS) Components</b>			
		Specifications: <i>Solar Panel</i> : Monocrystalline, 12V, 100W, 36 cells, Length: 66.8cm Width: 4cm Height: 148.5cm, Weight: 7.2Kg (17 pcs)			
		<i>Charge Controller</i> : Bs St-G1210 12V, 10A, Overloading protection, Short circuit protection, Reverse discharge protection, Overdischarge protection, Over charge protection, withstand voltage: DC1000V (17 pcs)			
		<i>Battery</i> : Deep Cycle VRLA Lead Acid 12V, 50Ah, Gel Type, Size: 223 x 120 x 175 mm, Weight: 13.4 Kilo (17pcs)			
		<i>LED Bulbs</i> : 4W, 12V, Average Lifetime: 20,000 Hours, Luminosity: 340lm, Lamp Base: E27 (68 pcs)			
		<i>Radio</i> : Portable Wireless Bluetooth LED Speaker w/Built-in Rechargeable Battery FM Radio/USB/SD Slot with Microphone and Remote Control, 5V DC input (17pcs)			
		<i>USB Ports</i> : 12V, 4 Ports, 2.1A, 5V Output Voltage, Car Boat Socket Panel, Size: 10.5 x 4.2 x 5.2cm (17pcs)			
		<b>SHS Main Controller Components</b>			
		Specifications: <i>Microcontroller</i> : ATmega2560, Mega 2560 R3 Motherboard with USB Cable, 16 MHz clock speed, Operating Voltage: 5V, Input Voltage (recommended): 7-9V Input Voltage (limit): 6-9V, Analog Input Pins: 16, Length: 101.52 mm, Width: 53.3 mm, Weight: 37 g (15 sets)			
		<i>RFID Communication</i> : MFRC522 chip based board Operating frequency: 13.56MHz (18 pcs) Supply Voltage: 3.3V			
		<i>RFID Communication</i> : JY PN532 NFC RFID Module V3 Kits Reader Writer For Android Phone TE314 (18 sets)			
		<i>RFID Communication</i> : 10x NFC Smart Card Tag S50 IC 13.56MHz RFID Readable Writable School Office Bus (4 sets)			
		<i>RFID Communication</i> : Robotdyn Compact Rfid Reader/Writer And Nfc Module, Mfrc522(13.56Mhz) Power 5V/3.3V For for Arduino, Raspberry, Arm Stm (18 pcs)			
		<i>GSM Communication</i> : GSM Antenna with Magnetic Base 3M (10 sets)			
		<i>GSM Communication</i> : SIM800L V2 5V Wireless GSM GPRS Module (10 sets)			
		<i>LoRa Communication</i> : 3pcs SX1278 LoRa Module 433M 10KM Ra-02 Ai-Thinker Wireless Spread Spectrum Transmission Socket for Smart Home DIY (6 sets)			
		continue on next page ( page 1 of 4 )			

Item No.	Unit	ITEM AND DESCRIPTION	QTY.	BID PRICE	
				UNIT PRICE	TOTAL AMOUNT
		<b>LORA Communication:</b> 2pcs/sets TTGO LORA SX1278 ESP32 0.96 OLED 16 Mt bytes (128 Mt bit) 433Mhz For Arduino - intl (6 sets)			
		<b>LORA Communication:</b> TTGO T-Beam ESP32 433Mhz WiFi wireless Bluetooth Module ESP 32 GPS NEO-6M SMA LORA 32 18650 Battery holder (5 sets)			
		<b>LORA Communication:</b> 4.2V 18650 Li-ion 6800mAh Rechargeable Battery Set of 6 with Universal Single Slot Li-Ion Battery Charger for 18650 (5 pcs)			
		<b>LORA Communication:</b> Original Diymore White Blue Color 128X64 OLED LCD LED Display Module For Arduino 0.96 I2C IIC Serial (16 sets)			
		<b>LORA Communication:</b> (5 pieces/kit) Extension Cord UFL to RP SMA Connector Antenna WiFi Pigtail Cable IPX to RP-SMA Jack Male SMA to IPX 1.13 17cm (2 sets)			
		<b>LORA Communication:</b> Blowing 433Mhz GSM GPRS WiFi SMA Male Gain Antenna Wireless Module RF 2 pcs (12 pcs)			
		<b>LORA Communication:</b> OSMAN Antenna 433Mhz 3dbi SMA Plug with Magnetic Base 1.5m Cable for Ham Radio (17 pcs)			
		<b>Sensors:</b> LM35 LM35DZ Temperature Sensor IC (15 pcs)			
		<b>Sensors:</b> 5Pcs/set V-153-1C25 Long Hinge Lever Arm Basic Micro Limit Switch Snap 15A (7 sets)			
		<b>Sensors:</b> ACS712 30A Current Sensor Module (30 pcs)			
		<b>Sensors:</b> 5pcs/lot Voltage Sensor Voltage Detection Module For Arduino (6 sets)			
		<b>Display and Indicators:</b> 100pcs 3mm LED Lamp Holder Light Bulb Socket Plastic Chrome Plated for Light-emitting Diode Lighting (2 set)			
		<b>Display and Indicators:</b> 2004 20x4 2004A blue screen HD44780 for			
		<b>Control Inputs:</b> 6 Pcs/Set 12mm Waterproof Momentary Push Button			
		<b>Buck Converter:</b> 10pcs Mini-360 DC/DC Buck Converter Step Down Module 4.75V-23V to 1V-17V Module (2 set)			
		<b>Buck Converter:</b> 24V/12V To 5V/5A 25W DC-DC Buck Step Down Power Supply Module Synchronous Rectification Power Converter (15 pcs)			
		<b>Relay and Switching:</b> 5V/9V/12V/24V 2 Channel Relay Module With Optocoupler High Low Level Triggered 2-way Relay Module for Arduino (15 pcs)			
		<b>Relay and Switching:</b> 50 Pcs 2N7000 N CHANNEL MOSFET, 60V, 200mA, TO-92 (1 set)			
		<b>Memory and Logging:</b> Micro SD Card Module (15 pcs)			
		<b>Memory and Logging:</b> Sandisk Ultra Micro SDHC Class 10 UHS-I 32GB SDSQUNS-032G (15 pcs)			
		<b>Memory and Logging:</b> DS3231 Real Time Clock RTC Module EEPROM AT24C32 with Free CR2032 Battery (15 pcs)			
		<b>Electronic Components:</b> 10pcs 4 Channel IIC I2C Logic Level Converter Bi-Directional Module 5V to 3.3V (2 sets)			
		<b>Accessories:</b> 12V Car Boat Accessory Socket Panel 4 USB Charger Power Adapter Outlet (15 pcs)			
		<b>Accessories:</b> Exhaust Fan / Blower Fan Pisonet / Pisowifi / Vendo Machine / Computer (15 sets)			
		<b>Accessories:</b> 120mm Computer PC Dustproof Cooler Fan Case Cover Dust Filter Mesh + 4 screws - intl (15 pcs)			
		<b>Accessories:</b> Black 10pcs 5V Electromagnetic Piezo Buzzer Continuous Sound Alarm (2 sets)			
		<b>Accessories:</b> 105Pcs Blade Car Fuses Assortment Kit Fuse Holders Automotive Replacement for Car Truck SUV RV Boat (4 sets)			
		<b>VLE Components</b>			
		Specifications:			
		<b>Solar Panel:</b> Monocrystalline, 12V, 100W, 36 cells, Length: 66.8cm Width: 4cm Height: 148.5cm, Weight: 7.2Kg (2 pcs)			
		<b>Charge Controller:</b> Bs St-G1210 12V, 10A, Overloading protection, Short circuit protection, Reverse discharge protection, Overdischarge protection, Over charge protection, withstand voltage: DC1000V (2pcs)			
		<b>Battery:</b> Deep Cycle VRLA Lead Acid 12V, 50Ah, Gel Type, Size: 223 x 120 x 175 mm, Weight: 13.4Kilo (2 pcs)			
		<b>LED Bulbs:</b> 4W, 12V, Average Lifetime: 20,000 Hours, Luminosity: 340lm, Lamp Base: E27 (8 pcs)			
		<b>Radio:</b> Portable Wireless Bluetooth LED Speaker w/Built-in Rechargeable Battery FM Radio/USB/SD Slot with Microphone and Remote Control, 5V DC input (2 pcs)			
		continue on next page ( page 2 of 4)			

	<b>USB Ports :</b> 12V, 4 Ports, 2.1A, 5V Output Voltage, Car Boat Socket Panel, Size: 10.5 x 4.2 x 5.2cm (2 pcs)			
	<b>VLE Main Controller Components</b>			
	Specifications:			
	<b>Main Controller:</b> Raspberry Pi 3 Model B plus B+ Motherboard (1 pc)			
	<b>Main Controller Accessories:</b> Justgogo Raspberry Pi 3 Micro USB Charger Power Supply Adapter 5V/2.5A/100-240V/US Plug (1 pc)			
	<b>Main Controller Accessories:</b> Elecrow Raspberry Pi 3 Display 7 Inch Touch Screen HDMI HD LCD TFT 1024X600 Monitor for Raspberry Pi 3 2B B Pduino Win7 8 (1 pc)			
	<b>Main Controller Accessories:</b> Sandisk Ultra Micro SDHC Class 10 UHS-I 32GB SDSQUNS-032G (1 pc)			
	<b>Buck Converter:</b> 24V/12V To 5V/5A 25W DC-DC Buck Step Down Power Supply Module Synchronous Rectification Power Converter (5 pcs)			
	<b>LORA Communication:</b> Areyourshop 1x Long Distance Wireless 433 Mhz HAT Lora/GPS Expansion Board For Raspberry Pi (2 pcs)			
	<b>GSM Communication:</b> Crazy Deal Small SIM800C GSM GPRS Module Quad-band Development Board for Raspberry Pi (2 pcs)			
	<b>RFID Reader:</b> Card Reader and Writer, NFC ACR122U RFID Smart Reader and Writer Contactless / USB + SDK + IC IC Card White (2 sets)			
	<b>Sensors:</b> LM35 LM35DZ Temperature Sensor IC (1 pcs)			
	<b>Sensors:</b> Electrical Parts 30A Range Current Sensor Module ACS712 (1 pc)			
	<b>Relay and Switching:</b> 5V/9V/12V/24V 2 Channel Relay Module With Optocoupler High Low Level Triggered 2-way Relay Module for Arduino - intl (3 pcs)			
	<b>Memory and Logging:</b> DS3231 Real Time Clock RTC Module EEPROM AT24C32 with Free CR2032 Battery (2 pcs)			
	<b>Electronic Components:</b> 10pcs 4 Channel IIC I2C Logic Level Converter Bi-Directional Module 5V to 3.3V (1 set)			
	<b>Accessories:</b> Exhaust Fan / Blower Fan Pisonet / Pisowifi / Vendo Machine / Computer (1 set)			
	<b>Accessories:</b> 120mm Computer PC Dustproof Cooler Fan Case Cover Dust Filter Mesh + 4 screws - intl (1 pc)			
	<b>Accessories:</b> 105Pcs Blade Car Fuses Assortment Kit Fuse Holders Automotive Replacement for Car Truck SUV RV Boat (1 set)			
	<b>Accessories:</b> USB 2.0 to UART TTL 6PIN Connector Module Serial Converter CP2012 (6 pcs)			
	<b>Accessories:</b> Raspberry Pi T-Cobbler GPIO Breakout (2 pcs)			
	<b>Consumables</b>			
	Specifications:			
	<b>Electronic Consumables:</b> Soldering Lead 1mm, approximately 50m (1 pcs)			
	<b>Electronic Consumables:</b> Solder Flux ZJ-18 BGA rework special solder paste FLUX 150g (2 pcs)			
	<b>Electronic Consumables:</b> Solder Paste, Melting Point: 183°C, RL-403(10CC), Product Size: 102mm (L) x 18.5mm (D) x 60 © (2 pcs)			
	<b>Electronic Consumables:</b> Width: 2 mm, Length: 1m Desoldering Braid Solder Remover Sucker Flux Wick Cable (1 set)			
	<b>Electronic Consumables:</b> Hook-up Wire Spool Set 22AWG Stranded 6 x 25, 25ft/Spool (2 sets)			
	<b>Electronic Consumables:</b> 20AWG (10m black + 10m red) Gauge Silicone Wire Flexible Stranded Copper Cables for RC, Maximum Current: 88A, Nominal Voltage: 600V, Test Voltage: 2000V, Wire Diameter: 4.5mm (2 sets)			
	<b>Electronic Consumables:</b> 40 Male Pin Headers Header 2.54mm Straight, Type of Row: Single-Row (1 set)			
	<b>Electronic Consumables:</b> 40 Female Pin Headers Header 2.54mm, Type of Row: Single-Row (15 sets)			
	<b>Electronic Consumables:</b> 2.54mm Pitch 2x20 Pin 40 Pin Female Double Row Long Pin Header Strip PC104, Pin material: copper plated, Gold plated thickness: 1U" (6 sets)			
	<b>Electronic Consumables:</b> 2.54mm PCB Jumper Wire Pin Header Connector Female Male 40Pin Box Packaging Kit Electronic Components Set for Arduino Dupont, Rated Current: 3A, Rated Voltage: 250V (4 sets)			
	<b>Electronic Consumables:</b> 2.54mm 2/3/4/5/6Pin Wire Jumper Header Pin Kit Connector Housing 18-26AWG, Rated Voltage: 250V, Rated Current: 3A (4 sets)			
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Item No.	Unit	ITEM AND DESCRIPTION	QTY.	BID PRICE	
				UNIT PRICE	TOTAL AMOUNT
		<b>Electronic Consumables:</b> Assorted Crimp Terminals Insulated Connector Set + 1 Crimping Plier, Wire connector: PVC+Copper, Voltage:Voltage: 600V (1 set)			
		<b>Electronic Consumables:</b> M3 Nylon PCB Standoff Spacer Hex Screw Nut Assortment Kit Box Sets, Standoff length: 6 - 12mm, Male end thread length: 6mm, Bolt length: 6mm (1 set)			
		<b>Electronic Consumables:</b> Adhesive Wire Cord Cable Holder Tie Clip Organizer Drop Clamp, Dimension : 13 x 10 x 5mm / 0.5" x 0.4" x 0.2" (L*W*H), For Cable Width (Max.) : 8 x 2.5mm (1 set)			
		<b>Electronic Components:</b> 1206 SMD SMT 175 Values x50 1/4W 1% Resistors Assortment Kit Sample Book, Book Size(L*W*H): 19 x 13.5 x 4 cm, SMD(3.2*1.6 mm): ±1% 1/4W, 8750 x Resistors (1 set)			
		<b>Electronic Components:</b> 1206 SMD SMT Chip Capacitors Assorted Kit 10pF~22uF 38Values x50 Sample Book (1 set)			
		<b>Electronic Components:</b> SMD Rectifier Diode Assorted Kit 20values x 10pcs Contains M1(1N4001) M4(1N4004) M7(1N4007) SS14(1N5819) SS24 RS1M(FR107) US1M SS34(1N5822) SS36 SS26 RS2M SS110 SS220 SS210 SS310 SS510 SS16 ES1J ES1D ES1M (2 sets)			
		<b>Electronic Components:</b> Multi-functional Optical Isolators 50pcs Pc817 Optocoupler Sharp Optical Isolator C File Optocoupler Dip-4, Size: 60 x 80mm (1 set)			
		<b>Electronic Components:</b> 74HC04D 74HC04 SOP14 SOP SN74HC04DR SMD New original (1 set)			
		<b>Electronic Components:</b> 6 Position Auto Marine Rows Wire Connector Bar Block Terminal Barrier Strip, Maximum Rated Voltage: 600V, Maximum Rated Current: 15A (30 sets)			
		<b>Tools</b>			
		Specifications:			
		<b>Electronic Tools:</b> Electronic Screwdriver Set, NO.6088 43 in 1 Professional Multi-functional Handheld repairing Screwdrivers Screw Drivers Repair Tools Kit Set (1 set)			
		<b>Electronic Tools:</b> Digital Multimeter, UNI-T UT139C True RMS Digital Multimeters (1 pc)			
		<b>Electronic Tools:</b> Soldering Set, 20 in 1 60W Electric Soldering Iron Gun Kit Adjustable Temp Welding Tool Set (1 pc)			
		<b>Electronic Tools:</b> Blue Sucking Vacuum Desoldering Pump Solder Sucker Remover Tool (1 pc)			
		<b>Electronic Tools:</b> Toolbox 19", Durable Tool Box (Black with Yellow Top) Medium Size (1 pc)			
		<b>Electronic Tools:</b> Extension Cord 6 Gang, Extension Cord Set with Individual Switch 6 Gang WED360 WED-360 - Genuine and Original (3 pcs)			
		<b>Electronic Tools:</b> Diagonal Wire Cutter, 3.5" Mini Diagonal Pliers Wire Cutter Cutting Electronic Pliers Wires Insulating Rubber Handle Model Pliers with Lock (1 pc)			
		<b>Electronic Tools:</b> Stander / Holder for 7 inch Raspberry Pi Capacitive Touch LCD Screen, Material: Acrylic (1 pc)			
		<b>Electronic Tools:</b> Mini Plier Set (4.5") 10038 Combination, Long Nose and Diagonal Cutting Pliers (1 set)			
		<b>Electronic Tools:</b> Triad Anti-static Tweezers Set Fix Repair Tool Kit for Smartphone Tablets Electronic Components (1 set)			
		<b>Electronic Tools:</b> Portable Mute Keys Keyboards 2.4G Ultra Slim Mini Wireless Keyboard with Touchpad for Mac PC XP7 10 Vista Android Smart TV Box (1 pc)			
		<b>Electronic Tools:</b> 40WL 40W Heavy Duty Hot Glue Gun (1 pc)			
		<b>Electronic Tools:</b> <b>Electronic Tools:</b> 7mm High Temperature Hot Melt Glue Stick Graft Repair Heat Stick (3 sets)			
		<b>Electronic Tools:</b> Essager LED Micro USB Cable Fast Charging Data Wire Cord 1m 2m Microusb Charger Cable For Samsung Xiaomi LG Android Mobile Phone (3 pcs)			
		<b>Electronic Tools:</b> Hand Screw Tap Set M3/M4/M5/M6 Reamer+Twist Drill Bits+Wrench Tool (1 set)			
		***nothing follows***			
		page 4 of 4			

After having carefully read and accepted your General Condition, I / We quote you on the item at prices noted above.

Canvassed By:

Authorized Canvasser

Printed Name / Signature

Tel. No. / Cellphone No.

TIN No. of Establishment

Date