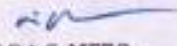


Republic of the Philippines  
 DEPARTMENT OF SCIENCE AND TECHNOLOGY  
 Caraga Regional Office No. 13  
 CSU Campus, Ampayon, Butuan City  
 Tel. # (085) 342-5345, Fax #: 342-5684  
 Email address: dostcaraga@yahoo.com

REQUEST FOR QUOTATION

Company Name: \_\_\_\_\_ Date: 5/28/2020  
 Address: \_\_\_\_\_ Quotation #: 231-2020

Please quote your lowest price on the item/s listed below, subject to the General Conditions 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.

  
**IMELDA S. MEZO**  
 Chief Admin. Officer

Item No.	Item & Description	QTY.	UNIT OF MEASURE	UNIT PRICE
1	<b>PT-1000 Temperature Kit</b>	4	set	
	Kit includes:			
	1 unit EZO RTD Temperature Circuit			
	1 unit Temperature Thermowell (100mm)			
	1 unit PT-1000 Temperature Probe with BNC Connection			
	Full temperature sensing range - 200degC to +850degC			
	Cable Max Temp 125degC, Min Temp - 55degC			
	Cable Length: 81cm or 32 inches			
	1 unit Pre-assembled Female BNC Connector			
	Female BNC Specs: Thread size 1/2 inch - 28 UNEF - 2A			
2	<b>pH Kit</b>	3	set	
	Kit includes:			
	1 unit EZO pH circuit			
	1 unit Double Junction silver/ silver-chloride Lab grade pH Probe			
	3 unit 125 mL (4oz) calibration solutions (pH 4, pH 7, pH10)			
	1 unit 125 mL (4oz) storage solution			
	1 unit electrically isolated EZO carrier board			
	1 unit SMA to SMA Adapter			
	Carrier board dimensions: 56.2mm x 32mm, Weight: 25 grams			
3	<b>Dissolve Oxygen Kit</b>	3	set	
	Kit includes:			
	1 unit EZO Dissolved Oxygen Circuit			
	1 Dissolved Oxygen Probe			
	1 unit 125ml (4oz) 0 Dissolved Oxygen calibration solution			
	1 unit Pre-Assembled Female BNC connector			
	1 unit Basic EZO inline Voltage Isolator			
	Female BNC Specs: Thread Size 1/2 inch - 28 UNEF - 2A			
	Carrier board dimensions: 56.2mm x 32mm, Weight: 25 grams			

4	<b>Inline Voltage Isolator</b>	9	pc
	Specifications:		
	Basic EZO Inline Voltage Isolator		
	Data Input: UART, I2C, SMBus		
	Max Data Rate: 1MHz		
	Output Voltage: 3.9V +/-0.07		
	Voltage Input: 3.0V - 5.0V		
	Power Saving: EN Pin		
	Current Consumption: 5V - 15mA		
	Circuit Dimensions: 13.97mm x 20.16mm		
	Weight: 1.76 grams		
5	<b>Serial Port Expander</b>	3	pc
	Specifications:		
	Part Number: COM - 102		
	Expand a single UART (RX/TX) serial port into 8 additional serial ports		
	On-board LEDs indicate which channel has been opened		
	Supports baud rates greater than 1M Baud		
	Easily connected two Serial Port Expanders together to get 16 additional serial ports		
	Operating Voltage: 3.3V to 5V		
	Power Consumption: 0.8mA at 3.3V, 3mA at 5V		
6	<b>TDS Sensor Meter</b>	3	set
	Signal Transmitter Board Specifications:		
	Input Voltage: 3.3V - 5.5V		
	Output Voltage: 0 - 2.3V		
	Working Current: 3 - 6mA		
	TDS Measurement Range: 0-1000ppm		
	TDS Measurement Accuracy: +/-10%		
	Module Size: 42 x 32mm		
	Module Interface: PH2.0-3P		
	Electrode Interface: XH2.54-2P		
	TDS Probe Specifications:		
	Number of Needle: 2		
	Total Length: 83cm		
	Connection Interface: XH2.54-2P		
	Color: Black		
	Other: Water Proof		
7	<b>Turbidity Sensor</b>	3	set
	Specifications:		
	Operating Voltage: 5V DC		
	Operating Current: 40mA (MAX)		
	Response Time: <500ms		
	Insulation Resistance: 100M (Min)		
	Output Method: Analog		
	Analog Output: 0-4.5V		
	Digital Output: High/Low level signal (you can adjust the threshold value by adjusting the potentiometer)		
	Operating Temperature: 5°C-90°C		
	Storage Temperature: -10°C-90°C		
	Weight: 30g		



	Adapter Dimensions: 38mm*28mm*10mm/1.5inches*1.1inches*0.4inches			
<b>8</b>	<b>GPRS/GSM Shield</b>	<b>3</b>	<b>pc</b>	
	Specifications:			
	Quad-Band 850 / 900 / 1800 / 1900 MHz			
	SIM900			
	Development Board Quad-Band Module Compatible High Quality			
	Size: 8.5x5.7x2cm (approx)			
	Industrial Temperature Range: -40°C to +85°C			
	Low power consumption - 1.5mA(sleep mode)			
	Speaker and Headphone jacks			
	Selectable serial port			
	RTC supported			
	Embedded TCP/UDP stack - allows you to upload data to a web server			
	Short Message Service - so that you can send small amounts of data over the network (ASCII or raw hexadecimal)			
	Control AT via Commands - Standard Commands: GSM 07.07 & 07.05 Enhanced Commands: SIMCOM AT commands			
	GPRS multi-slot class 10/8			
	GPRS mobile station class B			
	Compliant to GSM phase 2/2+			
	Class 4 (2 W @ 850 / 900 MHz)			
	Class 1 (1 W @ 1800 / 1900 MHz)			
<b>9</b>	<b>Weatherproof Plastic Enclosure</b>	<b>3</b>	<b>pc</b>	
	Specifications:			
	125mm x 175mm x 75mm / 5" x 7" x 3" external size			
	Interior Height: 70mm / 2.8"			
	IP Rating: IP66 weather proof rating			
	Internal mounting bosses: M4 thread			
<b>10</b>	<b>Weatherproof ABS Enclosure</b>	<b>4</b>	<b>pc</b>	
	Specifications:			
	Size: 115mm x 88mm x 55mm			
	IP Rating: IP65 rating			
<b>11</b>	<b>Microcontroller</b>	<b>4</b>	<b>pc</b>	
	Specifications:			
	Original Genuine			
	Microcontroller: ATmega328			
	Operating Voltage: 5V			
	Input Voltage (limit): 6-20V			
	Digital I/O Pins: 14 (of which 6 provide PWM output)			
	PWM Digital I/O Pins: 6			
	Analog Input Pins: 6			
	DC Current per I/O Pin: 20mA			
	DC Current for 3.3V Pin: 50mA			
	Flash Memory: 32 KB (ATmega328P) of which 0.5 KB used by bootloader			

	SRAM: 2 KB (ATmega328P)			
	EEPROM: 1 KB (ATmega328P)			
	Clock Speed: 16 MHz			
	LED BUILTIN: 13			
	Length: 68.6mm			
	Width: 53.4mm			
	Weight: 25 g			
12	<b>Presensitized PCB Board Double Side</b>	5	pc	
	Dimensions: 4 inches x 6 inches			
	Material: Double side presensitized			
13	<b>Real Time Clock and EEPROM DS3231 AT24C32 Module</b>	6	pc	
	Specifications:			
	Size: 38mm x 22mm x 14mm			
	Operating Voltage: 3.3 - 5.5V			
	Clock Chip: DS3231			
	Memory: AT24C32 (storage capacity 32K)			
14	<b>CR2032 Lithium Coin Battery</b>	6	pack	
	Specifications:			
	2 pcs per pack			
	Nominal Voltage: 3V			
	Maximum Current: 0.19A			
	Typical Capacity: 240mAh			
	Service Life: ~ 720 hours			
	Operating Temperature: -30degC to 60degC			
15	<b>LIR2031 Coin Cell</b>	6	pack	
	Specifications:			
	2 pcs per pack			
	Nominal Voltage: 3.7V			
	Grade: Grade A Lithium Ion Rechargeable Button Cell			
	Capacity: 40mAh			
	Current: 40mA			
16	<b>Temperature and Humidity Sensor Module</b>	3	pc	
	Specifications:			
	Operating Voltage: 3 to 5V power and I/O			
	5mA max current use during conversion (while requesting data)			
	Good for 0-100% humidity readings with 2-5% accuracy			
	Good for -40 to 80°C temperature readings ±0.5°C accuracy			
	No more than 0.5 Hz sampling rate (once every 2 seconds)			
	Body size 27mm x 59mm x 13.5mm (1.05" x 2.32" x 0.53")			
	4 pins, 0.1" spacing			
	Weight (just the DHT22): 2.4g			
17	<b>Non-contact IR Temperature Sensor</b>	5	pc	
	Specifications:			



	Operating Voltage: 3.3V - 5V			
	Operating Current: 1.2mA			
	Temperature: -70.01°C to +382.19°C, (0.01°C resolution)			
	Interface Type: I2C			
	Interface Line Sequence: VCC, GND, SCL, SDA			
	Dimensions: 31.5*18mm / 1.24 x 0.7 inches			
	Weight: 15g			
18	<b>MPPT Solar Panel Controller With V/I Display</b>	3	pc	
	5A MPPT Solar Panel Controller with Display Unit			
	Display: Input/Output switchable Voltage and Current Display			
	Input Voltage: 6-36V			
	Output Voltage: 1.25-32V			
	Output Current: 5A			
	Switching Frequency: 180KHz			
19	<b>Monocrystalline Solar Panel</b>	3	pc	
	Specifications:			
	Type: 50W Solar Panel			
	Tolerance: +/-5%; SLA Voltage: 18V			
	Type of Solar Cell: Monocrystalline			
	Open Circuit Voltage (Voc): 18V;			
	Maximum System Voltage: 18V			
	Temperate Coefficient of Isc: (010+/- 0.01) %/C			
	Temperate Coefficient of Voc: - (0.38 +/- 0.01) %/C			
	Temperate Coefficient of Power Voc: - 0.47%/C			
	Temperature Ranges: -40°C to +80°C; Clip Cable: 3M			
20	<b>Digital Voltage Display</b>	3	pc	
	Specifications:			
	Power Input / Measuring Voltage: 4.5 ~ 30VDC			
	Working Current: <23mA			
	Permissible error: 1% (+/-1 digit)			
	Display mode: 3-Digits 0.36" 7-Segment LED			
	Display Color: Red			
	Dimensions: 14.5x23x9mm			
21	<b>Soldering Lead</b>	6	roll	
	Specifications:			
	size: 1mm			
	Length: 50M			
	Easy Melt			
22	<b>Lead Acid Battery</b>	3	pc	
	Capacity: 7.5Ah			
	Nominal voltage: 12V			
	Terminal Type: Paston F1			
	Type: Lead Acid			
	Rechargeable and Sealed			

23	<b>Arduino Advanced Starter Kit wit Manual</b>	2	set	
	Consist of:			
	- 1 pc High Quality Hard Case			
	- 1 pc Components Introduction Paper			
	- 1 pc Arduino Compatible UNO R3 Board			
	- 1 pc USB Cable			
	- 35 pcs Jumper Wires			
	- 1 pc 830 Point BREADBOARD			
	- 15 pcs led (Red, Green, Yellow)			
	- 30 pcs Resistance (220R, 10K, 1K)			
	- 1 pc 10 Pin Dupont Line (Male to Female)			
	- 1 pc Potentiometer			
	- 1 pc Active Buzzer			
	- 1 pc 74HC595N			
	- 1 pc Infrared Receiving Head			
	- 1 pc LM35DZ			
	- 1 pc Flame Sensor			
	- 2 pcs Roll Ball Switch			
	- 3 pcs 5mm LDR			
	- 4 pcs Button Switch with Cap			
	- 1 pc IR Remote Control			
	- 1 pc One Digital Tube			
	- 1 pc Four Digital Tube			
	- 1 pc 8*8 Dot Matrix Tube			
	- 1 pc UNL2003 Driver Board			
	- 1 pc 5V Stepper Motor			
	- 1 pc SG90			
	- 1 pc LCD 1602			
	- 1 pc IIC I2C Adapter			
	- 1 pc PS2 Game Joystick Module			
	- 1 pc DHT11 Temperature and Humidity Sensor			
	- 1 pc Water Level measurement module			
	- 1 pc RFID module			
24	<b>Arduino 37 in 1 Sensor Kit</b>	2	set	
	Includes basic components and sensors			
	Package Dimensions: 273*190*43mm			
	- 1 x Small passive buzzer module			
	- 1 x 2-color LED module			
	- 1 x Hit sensor module			
	- 1 x Vibration switch module			
	- 1 x Photo resistor module			
	- 1 x Key switch module			
	- 1 x Tilt switch module			
	- 1 x 3-color full-color LED SMD modules			
	- 1 x Infrared emission sensor module			
	- 1 x 3-color LED module			
	- 1 x Mercury open optical module			
	- 1 x Yin Yi 2-color LED module 3MM			
	- 1 x Active buzzer module			
	- 1 x Temperature sensor module			
	- Automatic flashing colorful LED module			
	- 1 x Mini magnetic reed modules			
	- 1 x Class Bihor magnetic sensor			



	- 1 x Magic light cup module			
	- 1 x Rotary encoder module			
	- 1 x Optical broken module			
	- 1 x Detect the heartbeat module			
	- 1 x Reed module			
	- 1 x Obstacle avoidance sensor module			
	- 1 x Hunt sensor module			
	- 1 x Microphone sound sensor module			
	- 1 x Laser sensor module			
	- 1 x 5V relay module			
	- 1 x Temperature sensor module			
	- 1 x Temperature sensor module			
	- 1 x Linear magnetic Hall sensors			
	- 1 x Flame sensor module			
	- 1 x Sensitive microphone sensor module			
	- 1 x Temperature and humidity sensor module			
	- 1 x XY-axis joystick module			
	- 1 x Metal touch sensor module			
	- 1 x HIGH QUALITY Box			
	- 1 x learn tutorial CD			
25	<b>Laptop Computer</b>	1	set	
	Specifications:			
	Intel core i5 processor			
	15.6" display screen			
	4GB DDR4 RAM 512GB SSD			
	Ethernet, WiFi, Bluetooth network			
	NVIDIA GeForce 2GB Graphics Card			
	Windows 10 OS licensed MS Office			
	Licensed *4-in-1 media reader			
	HDMI port, AC power adapter jack, headphone/microphone combo jack, webcam, with universal plug-socket converter			
	1 year warranty parts and labor			
	<b>Purpose:</b> Development of Smart Water Quality Monitoring System for Waste Water Processing Project in Caraga Region.			
	PR#: 2020-05-236			

After having carefully read and accepted your General Conditions, I/We quote you on the item at

\_\_\_\_\_  
*Printed Name/Signature of Supplier*

\_\_\_\_\_  
*Contact Number*

\_\_\_\_\_  
*Date*