



Office of the Bids and Award Committee

Project Title: SUPPLY AND DELIVERY OF VARIOUS MATERIALS FOR SOLAR POWER SYSTEM, FERMENTATION INSTRUMENTATION AND CONTROL AND DRYING INSTRUMENTATION AND CONTROL

SUPPLEMENTAL/BID BULLETIN (SBB) NO. 10

This SBB No. 10 dated February 19, 20234 for Project ID No GS-2024-11, "SUPPLY AND DELIVERY OF VARIOUS MATERIALS FOR SOLAR POWER SYSTEM, FERMENTATION INSTRUMENTATION AND CONTROL AND DRYING INSTRUMENTATION AND CONTROL" is issued pursuant to Section 22.5 of the 2016 Revised Implementing Rules and Regulations of Republic Act No. 9184, to clarify, modify or amend items in the Bidding Documents. Accordingly, this shall form an integral part of the Bidding Document.

ITB Clause	PARTICULARS				AMENDMENT/CLARIFICATION			
BDS								
19.3								
	Lot 1				Lot 1			
	ITE M NO.	DESCRIPTIO N	Q TY	Unit Cost	ITE M NO.	DESCRIPTION	QT Y	UNIT COST
	LOT 1	SOLAR POWER SYSTEM			1	Hybrid Off-grid SRNE (5kW48V)	1	30,000.00
	1	Hybrid off-grind SRNE (5kW48v)	1		2	LVTOPSUN German Tech Gel (12V200AH)	4	14,000.00
	2	LVTOPSUN German Tech Gel (12V200AH)	4		3	Monocrystalline Solar Panel (450W)	8	10,500.00
	3	Monocrystalline Solar Panel (450W)	8		4	DC Surge Protection Device (800V)	2	1,200.00
	4	DC Surge Protection Device (800V)	2		5	DC Molded CaseCircuit Breaker (300A)	2	2,500.00
	5	DC MCCB (300A)	2		6	DC breaker (32A)	2	850.00
	6	DC breaker (32A)	2		7	AC Miniature Circuit Breaker (63A)	2	600.00
	7	AC MCB (63A)	2		8	PV Cable twin core (4mm2)	30	110.00
					9	Wire raceways (PVC slotted 2m, 3in)	3	350.00
					10	Solar panel railings (2 4M)	8	750.00

9	Wire raceways (PVC slotted 2m, 3in)	3		12	Mid-clamp (Aluminum)	15	75.00
10	Solar panel railings (2.4M)	8		13	End-clamp (Aluminum)	11	75.00
11	L-Foot (Aluminum)	24		14	MC4 Connector (MC4)	10	45.00
12	Mid-clamp (Aluminum)	15		15	roll of TW wire, linear meter (TW #8)	30	75.00
13	End-Clamp (Aluminum)	11		16	HDPE flexible pipe (anti-UV conduit)(1.5 inch)	20	120.00
14	MC4 Connector (MC4)	10		17	Distribution Box (12 ways)	2	1,000.00
15	roll of TW wire, linear meter (TW#8)	30		18	Ground Rod with Clamp (5 feet)	2	2,500.00
16	HDPE flexible pipe (anti-UV conduit) (1.5 inch)	20		19	Other required delivery/installation/material & labor with full accessories (nails, bolts, etc...)		43,500.00
17	Distribution Box (12 ways)	2					
18	Ground rod with clamp (5 feet)	2					
19	Shipping/Installation Cost (20%)	1					

LOT 2	Fermentation Instrumentation and Control			LOT 2	Fermentation Instrumentation and Control		
1	Stainless steel submersible temperature sensor DS18B20	60		1	Stainless steel submersible Temperature sensor DS18B20	60	750.00
2	Micro-SD SDHC Shield TFCARD Memory Shield Module 6 pin SPI for Arduino	15		2	Micro-SD SDHC Shield TFCARD Memory Shield Module 6 pin SPI for Arduino	15	200.00
3	RTC DS1307	15		3	Real Time Clock DS1307	15	200.00
4	Push button micro switch direct plugin	60		4	Push button micro switch direct plugin	60	100.00
5	Arduino MEGA 2560	15		5	Arduino MEGA 2560	15	2,000.00
6	16X4 Char LCD Screen display	15		6	16x4 Char LCD Screen display	15	1,200.00
7	200 pcs. 40 set XH254 3P 3A 2.54mm spacing terminal kit housing/pin Header JST Connector wire connectors adapter XHTJC3	10		7	200 pcs. 40 sets XH254 3P 3A 2.54mm spacing terminal kit/housing/pin Header JST Connector wire connectors adapter XHTJC3	10	800.00
8	1-Channel Relay Module with Optocoupler 5V10A	15		8	1-Channel Relay Module with Optocoupler 5V 10A	15	200.00
9	micro-SD Card 4GB	10		9	micro-SD card 1GB	10	250.00
10	40 pcs 20Cm 2.54Mm Male to Male Breadboard Jumper wire cable for Arduino	15		10	40Pcs 20Cm 2.54Mm Male To Male Breadboard Jumper Wire Cable for Arduino	15	300.00
11	Black Acrylic sheet 1x1 ft	15		11	Black Acrylic Sheet 1x1ft	15	350.00
12	Thermocouple	40		12	Thermocouple	40	800.00
13	Data Logger	11		13		11	1,500.00

15	Open Coil heater wire 200w, 220volts heating elements	20	15	Open Coil Heater Wire 200w, 220 Volts Heating Elements	20	300.00
16	304 Stainless steel tube 12mm, 1.5mm thickness 4ft long	10	16	304 Stainless Steel Tube 12mm, 1.5mm thickness 4ft long	10	300.00
LOT 3	DRYING INSTRUMENTATION AND CONTROL		LOT 3	DRYING INSTRUMENTATION AND CONTROL		
1	Stainless steel submersible temperature sensor DS18B20	40	1	Stainless steel submersible Temperature sensor DS18B20	40	500.00
2	Micro-SD SDHC Shield TFCard Memory Shield Module 6 pin SPI for Arduino	10	2	Micro-SD SDHC Shield TFCard Memory Shield Module 6 pin SPI for Arduino	10	150.00
3	RTC DS1307	10	3	Real Time Clock DS1307	10	700.00
4	Push Button micro switch direct plugin	40	4	Push button micro switch direct plugin	40	20.00
5	Arduino MEGA2560	10	5	Arduino MEGA 2560	10	1,200.00
6	16X4 Char LCD Screen display	10	6	16x4 Char LCD Screen display	10	700.00
7	200 pcs. 40 set XH254 3P 3A 2.54mm spacing terminal kit/housing/pin header JST Connector wire connectors adapter XHTJC3	1	7	200 pcs. 40 sets XH254 3P 3A 2.54mm spacing terminal kit/housing/pin Header JST Connector wire connectors adapter XHTJC3	1	500.00
8	1-Channel Relay Module with Opto coupler 5V10A	10	8	1-Channel Relay Module with Optocoupler 5V 10A	10	80.00
9	micro-SD Card 4GB	4	9	micro-SD card 4GB	4	150.00
10	40Pcs 20Cm 2.54Mm Male to Male Breadboard Jumper wire cable for Arduino	2	10	40Pcs 20Cm 2.54Mm Male To Male Breadboard Jumper Wire Cable for Arduino	2	140.00
11	Black Acrylic Sheet 1x1 ft	10	11	Black Acrylic Sheet 1x1ft	10	170.00
12	SparFun Air Velocity Sensor Breakout-FS3000-1005 (Qwic)	5	12	SparkFun Air Velocity Sensor Breakout - FS3000 - 1005 (Qwic)	5	3,800.00
13	Qwic cable - 100mm	10	13	Qwic Cable - 100mm	10	140.00
14	Arduino Nano	10	14	Arduino Nano	10	1,600.00
15	BH1750-Light Intensity Sensor Module	10	15	BH1750 - Light Intensity Sensor Module	10	300.00
16	Arduino IDE and a PC	10	16	Arduino IDE and a PC	10	1,000.00
17	DHT11- Temperature and RH	2	17	DHT11 - Temperature and RH	2	700.00
18	DHT22- Temperature and RH	10	18	DHT22 - Temperature and RH	10	900.00
19	BME280- Barometric/Temperature and humidity	2	19	BME280 - barometric / Temperature and humidity	2	300.00
20	DS18B20- Temperature of liquids (water proof)	2	20	DS18B20 - Temperature of liquids (water proof)	2	150.00
21	BME280-DFRobot Gravity:12C BME280 Environmental Sensor	1	21	BME280 - DFRobot Gravity: 12C BME280 Environmental Sensor	1	1,500.00
22	LMV358, NE555 Sseed Tech Co., Ltd	10	22	LMV358, NE555 Sseed Tech Co., Ltd	10	500.00
23	PIS-1271 Pi Supply Moisture Sensor Octopus Platform	10	23	PIS-1271 Pi Supply Moisture Sensor Octopus Platform	10	200.00
24	Input Voltage AC100-240V50/60Hz Output:DC 12V (2A 3A 5A 10A)	5	24	Input Voltage AC100-240V 50/60Hz Output: DC 12V (2A 3A 5A 10A)	5	200.00
25	Electronics Component Basic Starter Kit with 830 Tie-points Breadboard	2	25	Electronics Component Basic Starter Kit with 830 Tie-points Breadboard Cable Resistor Capacitor LED Potentiometer Box Packing 830-Breadboard-Kit	2	700.00
			26	Load Cell with HX711 amplifier with Acrylic Plates 20 kgs capacity	5	2,000.00
			27	Lab Scale 3000g X 0.01g High Precision Digital Analytical Electronic Balance Scale (3 decimals)	2	10,000.00
			28	898D 8786-I 882D USB Digital LCD Display SMD 2 in 1 Hot Air Rework Soldering	2	3,000.00

	26	Digital Weighing Scale	2	30	Other required delivery/installation/materials & labor with full accessories (nails, bolts, etc...)	1	16,378.00
	27	Contingency (10%)	1				

For guidance and information of all concerned.

HERMIE P. PAVA
 BAC Chairperson for Goods and Services