



PURCHASE ORDER

PO No. USTP-GSPB-12-502-199000-2020
 End-user Arch. Maria Ralish E. Villanica
 Location of Project USTP MAIN, Alubod Campus
 P.O. No. 20-12-1598
 Date December 30, 2020
 Mode of Procurement Public Bidding

Supplier GREEN ENERGY DEVELOPMENT CORP.
 Address One Chamber Business Development Center, Public Business Park, Municipal Drive, Brgy. Carmen, Cagayan de Oro City
 E-mail Address mg@greenenergy.com.ph
 Telephone No. 0917 221 1111
 T/Fax 0917 414 222 000

Purpose: Proposed Procurement for the Supply, Delivery, Installation and Commissioning of 15A-W Solar Power Supply for the Research and Development Office at Block 0 USTP Alubod

Gentlemen:

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

Stock No.	UPL	Description	Qty	Unit Cost	Amount
1	lot	15KW Solar Power Supply	1	1,999,500.00	1,999,500.00
<p>Design and installation of 15A-W on-Grid connected PV System, which will be interconnected directly to the 230V, 3-Phase Electrical Circuit of the RDO Building. The Solar Panels shall be installed on the roof of the RDO Building and consider 8 to 20 inclination according to the approved standard.</p> <p>SOLAR PANEL OFFER AMERSOLAR AS-6P POLYCRYSTALLINE MODULE Specifications Nominal Power: 340W Open Circuit Voltage: 46.1V Short Circuit Current: 9.50A Module Efficiency: 17.52% Maximum System Voltage: 1000V DC Maximum Series Fuse Rating: 15A Operating Temp: -40C to +85C Cell Type: Polycrystalline 5B B 156.75 x 156.75mm (6x6 inches) No. of Cell: 72(6x12) Dimension: 1956mmx992mmx40mm Front Glass: 3.2mm tempered glass with AR coating Frame: Anodized aluminum alloy Junction Box: IP67, 3 diodes</p> <p>INVERTER OFFER SOLIS-15-20K-LV Specifications Max DC input power: 18kW Max DC input voltage: 1,000V Max input current: 20A-20A MPPT voltage range: 200-800 Start up voltage: 350V MPPT Number/Max input Strings Number: 2/4 Rated output power: 15kW Rated grid voltage: 220V Rated grid frequency: 50/60Hz Grid Meter phase: 3-phase Rated grid output current: 39.4A Power factor: 0.9 leading -0.9 lagging MPPT efficiency: 96.5% Euro efficiency: 96.5% Max efficiency: 97.0% ingress Protection: IP65</p>					
TOTAL BROUGHT FORWARD					1,999,500.00

In case of failure to make the full delivery within the time specified above, a penalty of one-tenth (1/10) of one (1) percent for every day of delay shall be imposed.

Checked and verified by:

MELODY A. JALOVER
 Human Resources Services
 PR No. 12-2020

Conforms:

Melalyn L. Acuyob
MELALYN L. ACUYOB
 GREEN ENERGY DEVELOPMENT CORP.
 Signature of the printed name of Supplier

DECEMBER 30, 2020
 Date

Very truly yours,

Ambrosio B. Cultura II
AMBROSIO B. CULTURA II, PhD
 President, Green Energy System

Funds Available:

JANETTE V. VELAZQUEZ
JANETTE V. VELAZQUEZ
 USTP

USTP 20-12-3397
 BUR/06A No. Amount: ₱1,999,500.00

Ac-S-System / 106 03 050



PURCHASE ORDER

PRN: USTP-GSPB-2012-119000-2020
 Enduser: Arch. Maria Ralrah E. Alarcon
 Location of Project: USTP MAIN Alubid Campus
 P.O. No: 20-12-1598
 Date: December 30, 2020
 Mode of Procurement: Public Bidding

Supplier: **GREENERGY DEVELOPMENT CORP.**
 Address: Oro Chamber Business Development Center, Pueblo Business Park, Macapagal Drive, Brgy. Carmen, Cagayan de Oro City
 E-mail Address: mesquero@greenenergy.com.ph
 Telephone No: 0915-220-1027
 TIN: 277-419-222-000

Purpose: Proposed Procurement for the Supply, Delivery, Installation and Commissioning of 15KW Solar Power Supply for the Research and Development Office at Block G, USTP Alubid

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

Place of Delivery: USTP MAIN, Alubid Campus, Lourdes, Alubid, Misamis Oriental
 Contact Person for Delivery: MR. FELIX V. SAQUILAYAN Head Inspection Unit
 Contact No: 0926-1777-499
 Delivery Term:
 Date of Delivery: One Hundred Eighty (180) Calendar days upon receipt of Notice to Proceed
 Payment Term:

Stock No	Unit	Description	Qty	Unit Cost	Amount
		TOTAL CARRIED FORWARD			1,999,500.00
		Material requirements for Design and Installation of 15KW on-Grid Solar PV System includes: i. High efficient Solar module 10-years warranty on 25 years expected useful life. ii. Inverter Module 15KW 60 Hz, 3 phase, 230V VDC MPP 390-800 V, VAC=220 240 Delta 5-year warranty. iii. Solar Panel mounting system package use stainless steel bolts and nuts, use aluminum alloy frame. iv. DC Combiner box w/ DC Protection and Surge Protection v. Web Monitoring vi. Wires and Cables vii. Network Cables viii. Power Optimizer ix. Automatic Transfer Switch x. All other accessories and hardware as necessary to complete the project. xi. Lightning Arrester xii. Solar Panel Coating to Repel Rain Dust c. All installation and equipment to be used in accordance with PEC, ANSI and IEG Provisions and Standards d. All materials and equipment to be used if imported must be UL Listed and have ICC mark, and if local with PS mark WARRANTY CERTIFICATES • Solar module 10 year warranty on 25 years expected useful life • Inverter/Multiple Inverter in Equivalent 230/400V 3-phase 60 Hertz dual MPPT 3-year warranty • Inverter Module 15kw, 230/400V 3 phase, 60 Hertz dual MPPT 5-year warranty • 1 year warranty for system installation • Web monitoring system maintenance for 1-year • 5 year warranty on structure to withstand Wind Speed of up to 200kph • 5 year warranty against corrosion due to salt water Bundled with User's and Preventive Maintenance training for 16 hours (8 hours/day) for atleast five (5) persons ----- NOTHING FOLLOWS -----			

GRAND TOTAL ONE MILLION NINE HUNDRED NINETY NINE THOUSAND FIVE HUNDRED PESOS ONLY P 1,999,500.00
 in case of failure to make the full delivery within the time specified above, a penalty of one-tenth (1/10) of one (1) percent for every day of delay shall be imposed.

Checked and verified by:

 MELALYN L. ACURO
 Head, Procurement Services
 PR 167, 701 2020

Very truly yours,

 AMBROSIO M. LORA II PhD
 President, USTP Alubid

MELALYN L. ACURO
 GREENERGY DEVELOPMENT CORP.
 Signature over printed name of Supplier
 DECEMBER 30, 2020
 Date

Funds Available:

 C. M. Jarama Avenue, Lapaan, Cagayan de Oro City 9000 Philippines. Tel. Nos. +63 (88) 656 1738, Telex No. +63 (88) 956 4656 / www.ustp.edu.ph

BUYER No: USTP 20-12-3397
 Amount: P 1,999,500.00

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