



INVITATION TO BID

PROCUREMENT OF WORKS FOR THE ESTABLISHMENT OF IGCAWAYAN SOLAR-POWERED IRRIGATION SYSTEM

1. The Department of Agriculture-Western Visayas, through the **General Appropriations Act of 2021**, intends to apply the sum of **One Million Nine Hundred Eighty Thousand One Hundred Ninety-Eight Pesos and 02/100 (Php 1,980,198.02)** being the Approved Budget for the Contract (ABC) to payments under the contract for **Procurement of Works for the Establishment of Igcawayan Solar-Powered Irrigation System/IB No. 2022-056(AMV)** to be constructed at **Brgy. Igcawayan, San Lorenzo, Guimaras**.

Bids received in excess of the ABC shall be automatically rejected at bid opening.

2. The **Department of Agriculture-Western Visayas** now invites bids for the **Procurement of Works for the Establishment of Igcawayan Solar-Powered Irrigation System** at Brgy. Igcawayan, San Lorenzo, Guimaras with the following specifications:

A. Solar Power Module

1. Brand New;
2. 5,120 WP Total Solar Power Module (Minimum)
3. Sixteen (16) pieces Solar Modules at 320 WP or its equivalent.
4. Manufactured in ISO 9001 – Certified Factories
5. Must be CE marked
6. Must have TUV Certification (IEC 61215)
7. Cell type: Poly-crystalline
8. Solar Power Modules shall be clamped properly to the Mounting structure.
9. The installation of Solar Power Modules shall be in accordance with the approved Plans or agreed by the Project Engineer of the Department of Agriculture-Western Visayas.
10. Bidders are required to submit a Manufacturer's Certification that they are authorized distributor or Certification from local distributor as authorized dealer.
11. Duly Notarized Certification of availability and location of stocks.
12. The Solar Power Modules shall have a minimum of five (5) years warranty from the date of acceptance by the Department of Agriculture-Western Visayas.

B. Inverter and Controller

1. Brand New;
2. 5.5 kW minimum (may varies/change if the pump power used change) inverter with System Monitoring;
3. Pump is running;
4. Input power and alarm protection indication for; over voltage, over temperature and overload;
5. Maximum Power Point Tracking (MPPT);
6. AC/DC compatibility;
7. Over current protection;
8. No load protection
9. Operation History Memory;
10. Enclosure Class IP66
11. Sinewave Filter;
12. RS485 / Ethernet Capability
13. Motor Protection
 - The built-in electronic unit must protect motor in case of as standard, without additional equipment
 - a. Over and under voltage;
 - b. Overload
14. Bidders are required to submit a Manufacturer's Certification that they are authorized distributor or Certification from local distributor as authorized dealer.
15. Duly Notarized Certification of availability and location of stocks.
16. Minimum of five (5) years warranty from the date of acceptance by the Department of Agriculture-Western Visayas

C. Solar Pump (Submersible)

The pump must be tested by the AMTEC;

1. Brand New;
2. 5 Hp Electric Motor Submersible Pump, Coupled (Minimum). Pump power may change/varies based on the pumping test result, drilling and actual total dynamic head of site.
3. Pump Specifications;
 - a. 4 inches submersible pump coupled into the electric motor
 - b. Capacity of 87.73 cubic meter per day or based on the result of pumping test
 - c. Total Dynamic Head of 33 meters (Minimum)
 - d. Pump Efficiency of 70 percent
4. Electric Motor Specifications;
 - a. 5 Hp coupled into the pump
 - b. Built-in Frequency converter
 - c. Can be supplied by either DC or AC voltage source
 - d. Enclosure Class: IP 68

* The design system for the 5 Hp pump is correspond to the minimum Watt Peak (WP) of Solar Power Module. Any design higher than these specifications require additional WP and inverter capacity correspond to the minimum design. The additional requirements to meet the minimum specifications of the agency shall be at the expense of the contractor.

5. Bidders are required to submit a Manufacturer's Certification that they are authorized distributor or Certification from local distributor as authorized dealer.
6. Duly Notarized Certification of availability and location of stocks.
7. Minimum of five (5) years warranty from the date of acceptance by the Department of Agriculture-Western Visayas

Completion of the Works is required **within 58 calendar days** from receipt of Notice to Commence. Bidders should have completed a contract similar to the Project. The description of an eligible bidder is contained in the Bidding Documents, particularly, in Section II (Instructions to Bidders).

3. Bidding will be conducted through open competitive bidding procedures using non-discretionary "*pass/fail*" criterion as specified in the 2016 revised Implementing Rules and Regulations (IRR) of Republic Act (RA) No. 9184.
4. Interested bidders may obtain further information from Department of Agriculture-Western Visayas and inspect the Bidding Documents at the address given below from **8:00 a.m. to 5:00 p.m.**
5. A complete set of Bidding Documents may be acquired by interested bidders on **September 15 – October 6, 2022** from given address and website/s below and upon payment of the applicable fee for the Bidding Documents, pursuant to the latest Guidelines issued by the GPPB, in the amount of **Five Thousand Pesos (Php 5,000.00)**. The Procuring Entity shall allow the bidder to present its proof of payment for the fees **in person**.
6. The Department of Agriculture-Western Visayas will hold a Pre-Bid Conference¹ at **1:00 p.m. on September 22, 2022** at the **RCPC Library, RCPC Building, DA WESVIARC Compound, Brgy. Buntatala, Jaro, Iloilo City**, which shall be open to prospective bidders.
7. Bids must be duly received by the BAC Secretariat through **manual submission** at the office address indicated below or **online or electronic (pdf file) submission** as indicated below, on or before **1:00 p.m. on October 6, 2022**. Late bids shall not be accepted.
8. All bids must be accompanied by a bid security in any of the acceptable forms and in the amount of **Php 39,604.00** (if the bid security is in the form of cash, cashier's/manager's check, bank draft/guarantee or irrevocable letter of credit) or **Php 99,010.00** (if the bid security is in the form of surety bond).

In lieu of a bid security, the bidder may submit a duly notarized **Bid Securing Declaration** that is an undertaking which states, among others, that the bidder shall enter into contract with the procuring entity and furnish the required performance security within 10 calendar days from receipt of the notice of award, and committing to pay the corresponding fine and be suspended for a period of time from being qualified to participate in any government procurement activity in the event that it violates any of the conditions stated therein as required in the guidelines issued by the GPPB.

¹ May be deleted in case the ABC is less than One Million Pesos (PhP1,000,000) where the Procuring Entity may not hold a pre-bid conference.

9. Bid opening shall be at **1:00 p.m.** on **October 6, 2022** at the given address below. Bids will be opened in the presence of the bidders' representatives who choose to attend the activity.
10. The **Department of Agriculture-Western Visayas** reserves the right to reject any and all bids, declare a failure of bidding, or not award the contract at any time prior to contract award in accordance with Sections 35.6 and 41 of the 2016 revised Implementing Rules and Regulations (IRR) of RA No. 9184, without thereby incurring any liability to the affected bidder or bidders.
11. The **Department of Agriculture** does not condone any forms of solicitation on any prospective winning and losing bidders by any of our staff/employees or any other party. Any sort of this kind shall be reported immediately to the Office of the Secretary or the National Bureau of Investigation (NBI) for entrapment and proper investigation.
12. For further information, please refer to:

Dr. Peter S. Sobrevega
BAC Chairperson
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Brgy. Buntatala, Jaro
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Tel. No. (033) 329-09-56
Fax No. (033) 320-94-69
www.westernvisayas.da.gov.ph
dareg6bac@yahoo.com

13. You may visit the following websites:

For downloading of Bidding Documents: **PhilGEPS**

For online bid submission: **dareg6bac@yahoo.com**

September 15, 2022

Dr. Peter S. Sobrevega
BAC Chairperson