

Republic of the Philippines **DEPARTMENT OF AGRICULTURE**

Regional Field Office No. 5 San Agustin, Pili, Camarines Sur 4418

PHILIPPINE BIDDING DOCUMENTS

(As Harmonized with Development Partners)

Supply, Delivery, Installation and Commissioning of Solar Powered Irrigation System in the Province of Albay and Camarines Sur for Implementation under Rice Program 2022

- 1.1 Bacolod-San Vicente SPIS at Brgy. Bacolod, Libon, Albay
- 1.2 Salvacion-Cotnogan SPIS at Brgy. Cotnogan, Polangui, Albay
- 1.3 San Jose SPIS at Brgy. San Jose, Minalabac, Camarines Sur

ABC : ₱20,791,389.13

RICE PROGRAM 2022-GOODS- 05

Government of the Republic of the Philippines

Sixth Edition November 12, 2021

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Glossary of Acronyms, Terms, and Abbreviations

ABC –Approved Budget for the Contract.

BAC – Bids and Awards Committee.

Bid – A signed offer or proposal to undertake a contract submitted by a bidder in response to and in consonance with the requirements of the bidding documents. Also referred to as *Proposal* and *Tender*. (2016 revised IRR, Section 5[c])

Bidder – Refers to a contractor, manufacturer, supplier, distributor and/or consultant who submits a bid in response to the requirements of the Bidding Documents. (2016 revised IRR, Section 5[d])

Bidding Documents – The documents issued by the Procuring Entity as the bases for bids, furnishing all information necessary for a prospective bidder to prepare a bid for the Goods, Infrastructure Projects, and/or Consulting Services required by the Procuring Entity. (2016 revised IRR, Section 5[e])

BIR – Bureau of Internal Revenue.

BSP – Bangko Sentral ng Pilipinas.

Consulting Services – Refer to services for Infrastructure Projects and other types of projects or activities of the GOP requiring adequate external technical and professional expertise that are beyond the capability and/or capacity of the GOP to undertake such as, but not limited to: (i) advisory and review services; (ii) pre-investment or feasibility studies; (iii) design; (iv) construction supervision; (v) management and related services; and (vi) other technical services or special studies. (2016 revised IRR, Section 5[i])

CDA - Cooperative Development Authority.

Contract – Refers to the agreement entered into between the Procuring Entity and the Supplier or Manufacturer or Distributor or Service Provider for procurement of Goods and Services; Contractor for Procurement of Infrastructure Projects; or Consultant or Consulting Firm for Procurement of Consulting Services; as the case may be, as recorded in the Contract Form signed by the parties, including all attachments and appendices thereto and all documents incorporated by reference therein.

CIF – Cost Insurance and Freight.

CIP – Carriage and Insurance Paid.

CPI – Consumer Price Index.

DDP – Refers to the quoted price of the Goods, which means "delivered duty paid."

DTI – Department of Trade and Industry.

 $\mathbf{EXW} - \mathbf{Ex}$ works.

FCA – "Free Carrier" shipping point.

FOB – "Free on Board" shipping point.

Foreign-funded Procurement or Foreign-Assisted Project—Refers to procurement whose funding source is from a foreign government, foreign or international financing institution as specified in the Treaty or International or Executive Agreement. (2016 revised IRR, Section 5[b]).

Framework Agreement – Refers to a written agreement between a procuring entity and a supplier or service provider that identifies the terms and conditions, under which specific purchases, otherwise known as "Call-Offs," are made for the duration of the agreement. It is in the nature of an option contract between the procuring entity and the bidder(s) granting the procuring entity the option to either place an order for any of the goods or services identified in the Framework Agreement List or not buy at all, within a minimum period of one (1) year to a maximum period of three (3) years. (GPPB Resolution No. 27-2019)

GFI – Government Financial Institution.

GOCC –Government-owned and/or –controlled corporation.

Goods – Refer to all items, supplies, materials and general support services, except Consulting Services and Infrastructure Projects, which may be needed in the transaction of public businesses or in the pursuit of any government undertaking, project or activity, whether in the nature of equipment, furniture, stationery, materials for construction, or personal property of any kind, including non-personal or contractual services such as the repair and maintenance of equipment and furniture, as well as trucking, hauling, janitorial, security, and related or analogous services, as well as procurement of materials and supplies provided by the Procuring Entity for such services. The term "related" or "analogous services" shall include, but is not limited to, lease or purchase of office space, media advertisements, health maintenance services, and other services essential to the operation of the Procuring Entity. (2016 revised IRR, Section 5[r])

GOP – Government of the Philippines.

GPPB – Government Procurement Policy Board.

INCOTERMS – International Commercial Terms.

Infrastructure Projects – Include the construction, improvement, rehabilitation, demolition, repair, restoration or maintenance of roads and bridges, railways, airports, seaports, communication facilities, civil works components of information technology projects, irrigation, flood control and drainage, water supply, sanitation, sewerage and solid waste management systems, shore protection, energy/power and electrification facilities, national

buildings, school buildings, hospital buildings, and other related construction projects of the government. Also referred to as *civil works or works*. (2016 revised IRR, Section 5[u])

LGUs – Local Government Units.

NFCC - Net Financial Contracting Capacity.

NGA – National Government Agency.

PhilGEPS - Philippine Government Electronic Procurement System.

Procurement Project – refers to a specific or identified procurement covering goods, infrastructure project or consulting services. A Procurement Project shall be described, detailed, and scheduled in the Project Procurement Management Plan prepared by the agency which shall be consolidated in the procuring entity's Annual Procurement Plan. (GPPB Circular No. 06-2019 dated 17 July 2019)

PSA – Philippine Statistics Authority.

SEC – Securities and Exchange Commission.

SLCC – Single Largest Completed Contract.

Supplier – refers to a citizen, or any corporate body or commercial company duly organized and registered under the laws where it is established, habitually established in business and engaged in the manufacture or sale of the merchandise or performance of the general services covered by his bid. (Item 3.8 of GPPB Resolution No. 13-2019, dated 23 May 2019). Supplier as used in these Bidding Documents may likewise refer to a distributor, manufacturer, contractor, or consultant.

UN – United Nations.

Section I. Invitation to Bid



Republic of the Philippines **DEPARTMENT OF AGRICULTURE REGIONAL FIELD OFFICE NO. 5**

San Agustin, Pili, Camarines Sur, 4418 http://bicol.da.gov.ph

INVITATION TO BID

For

Supply, Delivery, Installation and Commissioning of Solar Powered Irrigation System in the Province of Albay and Camarines Sur for Implementation under Rice Program 2022

1. The Department of Agriculture Regional Field Office No. 5, through the National Expenditure Program (NEP) for CY 2022-Rice Program intends to apply the sum of Twenty Million Seven Hundred Ninety-One Thousand Three Hundred Eighty-Nine Pesos and Thirteen Centavos Only (₱20,791,389.13) being the ABC to payments under the contract for ITB No. RICE PROGRAM 2022-GOODS-05. Bids received in excess of the ABC shall be automatically rejected at bid opening. Partial Bid is NOT ALLOWED.

Description	ABC (Php) (inclusive of VAT)	Funding Source	Bid Security: Cash/Cashier's/ Manager's Check, Bank Draft/Guarantee , Irrevocable Letter of Credit (2%) (Php)	Bid Security: Surety Bond (5%) (Php)	Cost/Price of Bid Documents (cash payment only) (Php)
Supply, Delivery, Installation and Commissioning of Solar Powered Irrigation System in the Province of Albay and Camarines Sur for Implementation under Rice Program 2022					
1.1 Bacolod-San Vicente SPIS at Brgy. Bacolod, Libon, Albay	₱6,930,000.00	NEP 2022	<u> </u>	<u> </u>	
1.2 Salvacion-Cotnogan SPIS at Brgy. Cotnogan, Polangui, Albay	6,930,695.95	RICE PROGRAM	415,827.78	_1,039,569.46	25,000.00
1.3 San Jose SPIS at Brgy. San Jose, Minalabac, Camarines Sur	6,930,693.18		₹	\	
TOTAL	₱20,791,389.13		₱ 415,827.78	₱ 1,039,569.46	₽ 25,000.00

2. The *Department of Agriculture Regional Field Office No. 5* now invites bids for the following:

Description	Specifications	Unit Cost	Completion of Works
Supply, Delivery, Installation and Commissioning of Solar Powered Irrigation System in the Province of Albay and Camarines Sur			150 calendar days upon receipt of NTP
1.1 Bacolod-San Vicente SPIS at Brgy. Bacolod, Libon, Albay	PART I. OTHER GENERAL REQUIREMENTS PART II. SOLAR MOUNTING STRUCTURE, CONCRETE AND REINFORCEMENT PART III. SUBMERSIBLE SEWAGE PUMP 6" Diameter Outlet, 15KW (20HP), 3 Phase 60Hz, Submersible	₱6,930,000.00	
	Sewage Pump -Capacity of at least 1170 cubic meter per 5 hours operation per day at the following condition: 1. Pump Type: Submersible Pump 2. Total Dynamic Head: 30.0m (minimum)		
	 Voltage: 380-415 Volt Frequency: 60 Hz Phase: Three Phase Pump/Impeller: Stainless Steel 304/Cast Iron HT200 Working Principle: Submersible Outlet Diameter: 6 Inches 		
	9. Driver: Electric Power 10. Structure: Centrifugal 11. Shaft: Duplex Stainless Steel 12. Motor: NEMA Standard Three Phase Induction Type Motor		
	13. Temperature: -5°C to +120°C PART IV. SOLAR PV MODULES, FITTINGS AND ACCESSORIES -450Wp PV Solar Module, Poly-Crystalline 1. Max Power: 450 Watt 2. Open Circuit Voltage: 49.60V		
	3. Short Circuit Current: 11.53A 4. Optimum Operating Voltage: 41V 5. Optimum Operating Current: 10.98A 6. Temperature: -40°C to +90°C PART V. SOLAR INVERTER		
	-18.50KW, 300V-900V DC Input, 3phase-380V/415V-37Amp AC Output, Inverter 1. Built-in Maximum Power Point Tracking (MPPT) 2. AC/DC Compatibility 3. Overvoltage and Undervoltage Protection		
	4. Overload and Overcurrent Protection 5. Enclosure Class: IP 66 -Controller Box (300mm x 600mm x 800mm) PART VI. PV DISCONNECT, PV PROTECT and COMBINER DEVICE		
	DC-AC Line Protection -6 Pair Terminal Block Connector -DC MCCB, 15A 4P -DC MCCB, 60A 2P		

	-DC SPD, 1000VDC 2P		
	-AC MCCB, 60A 3P		
	PART VII. CABLE WIRE and ACCESSORIES		
	System Wiring Installation		
	-3.5mm ² THHW (#12 AWG) Wire		
	-Royal Cord 3C #8 AWG + 1C #10 AWG		
	-Royal Cord 2C, #6 AWG		
	-25mm Diameter PVC Pipe Conduit		
	PART VIII. OUTLET WORKS		
	PIPE OUTLET INSTALLATION		
	-6m X 6" Diameter S40 G.I. Pipe -6m X 6" Diameter SDR17 HDPE Pipe		
	-10 Bolts, 8" Diameter End Flange		
	PART IX. PUMP INTAKE STRUCTURE, SUMP AND		
	CONTROLLER HOUSE		
	PART X. PERIMETER FENCE (60 L.M.)		
	PART XI. PIPE END CHECK AND PIPE TURN-OUT		
	STRUCTURE		
	PIPING WORKS		
	6" Inside Diameter HDPE Pipe, SDR17 w/ Steel Gate Valve		
	PART XII. FINISHING/ PAINTING WORKS		
	All Taxes, contractors profit and hauling costs and delivery are		
	included in unit cost per item		
	Bidders are required to submit a Manufacturer's Certification that		
	they are authorized distributor and installer or Certification from		
	local distributor as authorized dealer.		
	Duly Notarized Certification of availability and location of		
	stocks		
	List of service center (with service contract) Minimum of 4 years in the solar powered pump business		
	industry		
	AMTEC Tested (Results for Pump and Solar Panel)		
	That 20 Tosted (Alesanis joi 1 minp and solds 1 miles)		
1.2 Salvacion-			
	PART I. OTHER GENERAL REQUIREMENTS		
Cotnogan SPIS at	PART II. SOLAR MOUNTING STRUCTURE, CONCRETE AND	₱6,930,695.9 5	
Brgy. Cotnogan,	REINFORCEMENT	, ,	
Polangui, Albay	PART III. AMTEC TESTED PUMP (SUBMERSIBLE PUMP)		
	6" Diameter, 30KW (40HP), 3 Phase 60Hz, Submersible Pump		
	-Capacity of at least 720-800 cubic meter per 5 hours operation per		
	day at the following condition:		
	1. Pump Type : Submersible Pump		
	2. Total Dynamic Head : 90.0m (minimum)		
	3. Voltage: 460 Volt		
	4. Frequency: 60 Hz		
	5. Phase : Three Phase		
	6. Pump/Impeller : Stainless Steel 304/Cast Iron HT200		
	7. Working Principle : Submersible		
	8. Outlet Diameter: 6 Inches		
	9. Driver: Electric Power		
	10. Structure : Centrifugal		
	11. Shaft: Duplex Stainless Steel 12. Motor: NEMA Standard Three Phase		
	Induction Type Motor		
	13. Temperature : -5°C to +120°C		
	F		

	PART IV. SOLAR PV MODULES, FITTINGS AND ACCESSORIES 450Wp PV Solar Module, Poly-Crystalline 1. Max Power: 450 Watt 2. Open Circuit Voltage: 49.60V 3. Short Circuit Current: 11.53A 4. Optimum Operating Voltage: 41V 5. Optimum Operating Current: 10.98A 6. Temperature: 40°C to +90°C PART V. SOLAR INVERTER -38KW, 360V-700V DC Input, 3phase-460V-65Amp AC Output, Inverter 1. Built-in Maximum Power Point Tracking (MPPT) 2. AC/DC Compatibility 3. Overvoltage and Undervoltage Protection 4. Overload and Overcurrent Protection 5. Enclosure Class: IP 66 -Control Box (800mm X 600mm X 300mm) PART VI. PV DISCONNECT, PV PROTECT and COMBINER BOX DC-AC Line Protection -DC MCB, 20A 2P -DC SPD, 1000VDC 2P -AC MCB, 150A 3P -MC4 Straight PART VII. CABLE WIRE and ACCESSORIES System Wiring Installation -Royal Cord 3C, 8 AWG -Royal Cord 2C, 14 AWG PART VIII. OUTLET WORKS Pump Outlet Pipe -6m X 6" Diameter S40 G.I. Pipe -10 Bolts, 8" Diameter End Flange -6m X 6" Diameter PVC PN20 Blue. Pipe PART IX. PUMP INTAKE STRUCTURE, SUMP AND CONTROLLER HOUSE PART X. PUMP STILLING POOL All Taxes, contractors profit and hauling costs and delivery are included in unit cost per item Bidders are required to submit a Manufacturer's Certification that they are authorized distributor and installer or Certification from local distributor as authorized dealer. Minimum of 4 years in the solar powered pump business industry AMTEC Tested (Results for Pump and Solar Panel) Duly Notarized Certification of availability and location of stocks List of service center (with service contract)		
1.3 San Jose SPIS at Brgy. San Jose,		₽ 6,930,693.18	
Minalabac, Camarines Sur	REINFORCEMENT PART III. AMTEC TESTED PUMP (SUBMERSIBLE PUMP) 6" Diameter, 22KW (30HP), 3 Phase 60Hz, Submersible Pump -Capacity of at least 1200-1500 cubic meter per 5 hours operation per day at the following condition: 1. Pump Type: Submersible Pump		

- 2. Total Dynamic Head: 90.0m (minimum)
- 3. Voltage: 460 Volt
- 4. Frequency: 60 Hz
- 5. Phase: Three Phase
- 6. Pump/Impeller: Stainless Steel 304/Cast Iron HT200
- 7. Working Principle: Submersible
- 8. Outlet Diameter: 6 Inches
- 9. Driver: Electric Power
- 10. Structure: Centrifugal
- 11. Shaft: Duplex Stainless Steel
- 12. Motor: NEMA Standard Three Phase

Induction Type Motor

13. Temperature : -5° C to $+120^{\circ}$ C

PART IV. SOLAR PV MODULES, FITTINGS AND

ACCESSORIES

- -330Wp PV Solar Module, Poly-Crystalline
- 1. Max Power: 330 Watt
- 2. Open Circuit Voltage: 49.70V
- 3. Short Circuit Current: 9.11A
- 4. Optimum Operating Voltage: 38.20V
- 5. Optimum Operating Current: 8.64A
- 6. Temperature: -40° C to $+90^{\circ}$ C

PART V. SOLAR INVERTER

-35KW, 360V-700V DC Input, 3phase-460V-65Amp AC Output, Inverter

- 1. Built-in Maximum Power Point Tracking (MPPT)
- 2. AC/DC Compatibility
- 3. Overvoltage and Undervoltage Protection
- 4. Overload and Overcurrent Protection
- 5. Enclosure Class: IP 66

-Control Box (800mm X 600mm X 300mm)

PART VI. PV DISCONNECT, PV PROTECT and COMBINER DEVICE

DC-AC Line Protection

- -DC MCB, 20A 2P
- -DC SPD, 1000VDC 2P
- -AC MCB, 50A 3P
- -MC4 Straight

PART VII. CABLE WIRE and ACCESSORIES

System Wiring Installation

- -Royal Cord 3C, 8 AWG
- -Royal Cord 2C, 14 AWG

PART VIII. OUTLET WORKS

Pump Outlet Pipe

- -6m X 6" Diameter S40 G.I. Pipe
- -10 Bolts, 8" Diameter End Flange

PART IX. PUMP INTAKE STRUCTURE, SUMP AND HOUSE

PART X. SLOPE PROTECTION (10 L.M.)

PART XI. IRRIGATION WORKS (50mm x 50mm Concrete Canal)

PART XII. PUMP STILLING POOL

PART XIII. PERIMETER FENCE (64 L.M.)

All Taxes, contractors profit and hauling costs and delivery are included in unit cost per item

Bidders are required to submit a Manufacturer's Certification that they are authorized distributor and installer or Certification from local distributor as authorized dealer.

Duly Notarized Certification of availability and location of stocks

List of service center (with service contract)
Minimum of 4 years in the solar powered pump business
industry
AMTEC Tested (Results for Pump and Solar Panel)

Bidders should have completed, within *Two (2) years* from the date of submission and receipt of bids, 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 a non-discretionary "pass/fail" criterion as specified in the 2016 revised Implementing Rules and Regulations (IRR) of Republic Act (RA) No. 9184.
 - Bidding is restricted to Filipino citizens/sole proprietorships, partnerships, or organizations with at least sixty percent (60%) interest or outstanding capital stock belonging to citizens of the Philippines, and to citizens or organizations of a country the laws or regulations of which grant similar rights or privileges to Filipino citizens, pursuant to RA No. 5183.
- 4. Prospective Bidders may obtain further information from *Department of Agriculture Regional Field Office No. 5* and inspect the Bidding Documents at the address given below during *Mondays Fridays*, 8:00 AM to 5:00 PM except for Holidays, Saturdays and Sundays.
- 5. A complete set of Bidding Documents may be acquired by interested Bidders on **November 13, 2021- December 6, 2021 (1:00PM)** from the 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 25,000.00. The Procuring Entity shall allow the bidder to present its proof of payment for the fees
- 6. The **Department of Agriculture Regional Field Office No. 5** will hold a Pre-Bid Conference on **November 22, 2021; 1:30PM** at 2nd Flr. Adriano Hall, Administration Building, DA RFO-5, San Agustin, Pili, Camarines Sur, 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, on or before **December 6, 2021; 1:00PM**. **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 stated in **ITB** Clause 14.
- 9. <u>Bid opening shall be on December 6, 2021; 1:30PM</u> at the given address below 2nd Flr. Adriano Hall, Administration Building, DA RFO-5, San Agustin, Pili, Camarines Sur. Bids will be opened in the presence of the bidders' representatives who choose to attend the activity.

- 10. In case of a tie Bid, the BAC will conduct the Guidelines on the Use of Non-Discretionary/Non-Discriminatory Selection criteria as Tie-Breaking Method thru DRAW LOTS in case of two or more Bidders have been post-qualified determined as the bidder having the lowest calculated and Responsive Bidder (LCRB) (GPPB Circular No. 06-2005).
- 11. The **Department of Agriculture Regional Field Office No. 5** 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 Sections35.6 and 41 of the 2016 revised IRR of RA No. 9184, without thereby incurring any liability to the affected bidder or bidders.
- 12. For further information, please refer to:

BAC Secretariat Office **Department of Agriculture, Regional Field Office No. 5**San Agustin, Pili, Camarines Sur 4418

Email address- bacrfo5@gmail.com

For Downloading of Bidding Documents: www.dabicol.gov.ph

November 12, 2021, San Agustin, Pili, Camarines Sur

LUZ R. MARCELINO
RTD for Operations
Chairman, Bids & Awards Committee

Section II. Instructions to Bidders

1. Scope of Bid

The Procuring Entity, Department of Agriculture Regional Field Office No. 5 wishes to receive Bids for the Supply, Delivery, Installation and Commissioning of Solar Powered Irrigation System in the Province of Albay and Camarines Sur for implementation under Rice Program 2022 with identification number RICE PROGRAM 2022-GOODS-05

The Procurement Project (referred to herein as "Project") is composed of **One** (1) **LOT**, the details of which are described in Section VII (Technical Specifications).

2. Funding Information

- 2.1. The GOP through the source of funding as indicated below National Expenditure Program (NEP) for CY 2022-Rice Program in the amount of Twenty Million Seven Hundred Ninety-One Thousand Three Hundred Eighty-Nine Pesos and Thirteen Centavos Only (**P20,791,389.13*)
- 2.2. The source of funding is:
 - a. NGA, the National Expenditure Program.

3. Bidding Requirements

The Bidding for the Project shall be governed by all the provisions of RA No. 9184 and its 2016 revised IRR, including its Generic Procurement Manuals and associated policies, rules and regulations as the primary source thereof, while the herein clauses shall serve as the secondary source thereof.

Any amendments made to the IRR and other GPPB issuances shall be applicable only to the ongoing posting, advertisement, or **IB** by the BAC through the issuance of a supplemental or bid bulletin.

The Bidder, by the act of submitting its Bid, shall be deemed to have verified and accepted the general requirements of this Project, including other factors that may affect the cost, duration and execution or implementation of the contract, project, or work and examine all instructions, forms, terms, and project requirements in the Bidding Documents.

4. Corrupt, Fraudulent, Collusive, and Coercive Practices

The Procuring Entity, as well as the Bidders and Suppliers, shall observe the highest standard of ethics during the procurement and execution of the contract. They or through an agent shall not engage in corrupt, fraudulent, collusive, coercive, and obstructive practices defined under Annex "I" of the 2016 revised IRR of RA No. 9184 or other integrity violations in competing for the Project.

5. Eligible Bidders

- 5.1. Only Bids of Bidders found to be legally, technically, and financially capable will be evaluated.
- 5.2. Foreign ownership exceeding those allowed under the rules may participate pursuant to:
 - i. When a Treaty or International or Executive Agreement as provided in Section 4 of the RA No. 9184 and its 2016 revised IRR allow foreign bidders to participate;
 - ii. Citizens, corporations, or associations of a country, included in the list issued by the GPPB, the laws or regulations of which grant reciprocal rights or privileges to citizens, corporations, or associations of the Philippines;
 - iii. When the Goods sought to be procured are not available from local suppliers; or
 - iv. When there is a need to prevent situations that defeat competition or restrain trade.
- 5.3. Pursuant to Section 23.4.1.3 of the 2016 revised IRR of RA No.9184, the Bidder shall have an SLCC that is at least one (1) contract similar to the Project the value of which, adjusted to current prices using the PSA's CPI, must be at least equivalent to:
 - a. For the procurement of Non-Expendable Supplies: The Bidder must have completed a single contract that is similar to this Project, equivalent to at least fifty percent (50%) of the ABC in the amount of ₱10,395,694.57
- 5.4. The Bidders shall comply with the eligibility criteria under Section 23.4.1 of the 2016 IRR of RA No. 9184.

6. Origin of Goods

There is no restriction on the origin of goods other than those prohibited by a decision of the UN Security Council taken under Chapter VII of the Charter of the UN, subject to Domestic Preference requirements under **ITB** Clause 18.

7. Subcontracts

7.1 The Procuring Entity has prescribed that Subcontracting is not allowed

8. Pre-Bid Conference

The Procuring Entity will hold a pre-bid conference for this Project on the specified date and time and either at its physical address at 2nd Floor Adriano Hall, Administration Building, DA RFO 5, San Agustin, Pili, Camarines Sur and/or through videoconferencing/webcasting} as indicated in paragraph 6 of the IB.

9. Clarification and Amendment of Bidding Documents

Prospective bidders may request for clarification on and/or interpretation of any part of the Bidding Documents. Such requests must be in writing and received by the Procuring Entity, either at its given address or through electronic mail indicated in the **IB**, at least ten (10) calendar days before the deadline set for the submission and receipt of Bids.

10. Documents comprising the Bid: Eligibility and Technical Components

- 10.1. The first envelope shall contain the eligibility and technical documents of the Bid as specified in **Section VIII** (Checklist of Technical and Financial **Documents**).
- 10.2. The Bidder's SLCC as indicated in **ITB** Clause 5.3 should have been completed within **TWO** (2) **YEARS** prior to the deadline for the submission and receipt of bids.
- 10.3. If the eligibility requirements or statements, the bids, and all other documents for submission to the BAC are in foreign language other than English, it must be accompanied by a translation in English, which shall be authenticated by the appropriate Philippine foreign service establishment, post, or the equivalent office having jurisdiction over the foreign bidder's affairs in the Philippines. Similar to the required authentication above, for Contracting Parties to the Apostille Convention, only the translated documents shall be authenticated through an apostille pursuant to GPPB Resolution No. 13-2019 dated 23 May 2019. The English translation shall govern, for purposes of interpretation of the bid.

11. Documents comprising the Bid: Financial Component

- 11.1. The second bid envelope shall contain the financial documents for the Bid as specified in **Section VIII** (Checklist of Technical and Financial Documents).
- 11.2. If the Bidder claims preference as a Domestic Bidder or Domestic Entity, a certification issued by DTI shall be provided by the Bidder in accordance with Section 43.1.3 of the 2016 revised IRR of RA No. 9184.
- 11.3. Any bid exceeding the ABC indicated in paragraph 1 of the **IB** shall not be accepted.

11.4. For Foreign-funded Procurement, a ceiling may be applied to bid prices provided the conditions are met under Section 31.2 of the 2016 revised IRR of RA No. 9184.

12. Bid Prices

- 12.1. Prices indicated on the Price Schedule shall be entered separately in the following manner:
 - a. For Goods offered from within the Procuring Entity's country:
 - i. The price of the Goods quoted EXW (ex-works, ex-factory, ex-warehouse, ex-showroom, or off-the-shelf, as applicable);
 - ii. The cost of all customs duties and sales and other taxes already paid or payable;
 - iii. The cost of transportation, insurance, and other costs incidental to delivery of the Goods to their final destination; and
 - iv. The price of other (incidental) services, if any, listed in e.
 - b. For Goods offered from abroad:
 - i. Unless otherwise stated in the **BDS**, the price of the Goods shall be quoted delivered duty paid (DDP) with the place of destination in the Philippines as specified in the **BDS**. In quoting the price, the Bidder shall be free to use transportation through carriers registered in any eligible country. Similarly, the Bidder may obtain insurance services from any eligible source country.
 - ii. The price of other (incidental) services, if any, as listed in **Section VII (Technical Specifications).**

13. Bid and Payment Currencies

- 13.1. For Goods that the Bidder will supply from outside the Philippines, the bid prices may be quoted in the local currency or tradeable currency accepted by the BSP at the discretion of the Bidder. However, for purposes of bid evaluation, Bids denominated in foreign currencies, shall be converted to Philippine currency based on the exchange rate as published in the BSP reference rate bulletin on the day of the bid opening.
- 13.2. Payment of the contract price shall be made in:
 - a. Philippine Pesos.

14. Bid Security

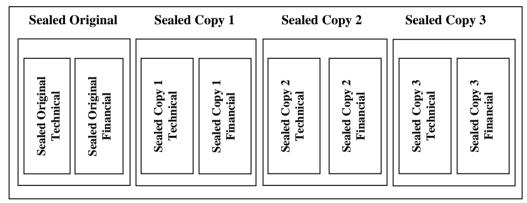
- 14.1. The Bidder shall submit a Bid Securing Declaration¹ or any form of Bid Security in the amount indicated in the **BDS**, which shall be not less than the percentage of the ABC in accordance with the schedule in the **BDS**.
- 14.2. The Bid and bid security shall be valid until **April 5, 2022 (120 calendar days from the date of Opening).** Any Bid not accompanied by an acceptable bid security shall be rejected by the Procuring Entity as non-responsive.

15. Sealing and Marking of Bids

Each Bidder shall submit one (1) copy of the Original and three (3) copies copy of the first and second components of its Bid. However, failure of the Bidders to comply with the said request shall not be a ground for disqualification.

If the Procuring Entity allows the submission of bids through online submission or any other electronic means, the Bidder shall submit an electronic copy of its Bid, which must be digitally signed. An electronic copy that cannot be opened or is corrupted shall be considered non-responsive and, thus, automatically disqualified.

Sealed Original, Copy 1, Copy 2 & 3 in one (1) Single Envelope



All copies shall be marked Certified True Copy & signed by the bidder or its duly authorized representative.

Additional instructions: All copies must be marked with index/ear tabs or side-end tabs to identify the page components and shall be properly addressed to the **BAC Chairperson.**

16. Deadline for Submission of Bids

16.1. The Bidders shall submit on the specified date and time and either at its physical address or through online submission as indicated in paragraph 7 of the **IB**.

17. Opening and Preliminary Examination of Bids

¹ In the case of Framework Agreement, the undertaking shall refer to entering into contract with the Procuring Entity and furnishing of the performance security or the performance securing declaration within ten (10) calendar days from receipt of Notice to Execute Framework Agreement.

17.1. The BAC shall open the Bids in public at the time, on the date, and at the place specified in paragraph 9 of the **IB**. The Bidders' representatives who are present shall sign a register evidencing their attendance. In case videoconferencing, webcasting or other similar technologies will be used, attendance of participants shall likewise be recorded by the BAC Secretariat.

In case the Bids cannot be opened as scheduled due to justifiable reasons, the rescheduling requirements under Section 29 of the 2016 revised IRR of RA No. 9184 shall prevail.

17.2. The preliminary examination of bids shall be governed by Section 30 of the 2016 revised IRR of RA No. 9184.

18. Domestic Preference

18.1. The Procuring Entity will grant a margin of preference for the purpose of comparison of Bids in accordance with Section 43.1.2 of the 2016 revised IRR of RA No. 9184.

19. Detailed Evaluation and Comparison of Bids

- 19.1. The Procuring BAC shall immediately conduct a detailed evaluation of all Bids rated "passed," using non-discretionary pass/fail criteria. The BAC shall consider the conditions in the evaluation of Bids under Section 32.2 of the 2016 revised IRR of RA No. 9184.
- 19.2. If the Project allows partial bids, bidders may submit a proposal on any of the lots or items, and evaluation will be undertaken on a per lot or item basis, as the case maybe. In this case, the Bid Security as required by **ITB** Clause 15 shall be submitted for each lot or item separately.
- 19.3. The descriptions of the lots or items shall be indicated in **Section VII** (**Technical Specifications**), although the ABCs of these lots or items are indicated in the **BDS** for purposes of the NFCC computation pursuant to Section 23.4.2.6 of the 2016 revised IRR of RA No. 9184. The NFCC must be sufficient for the total of the ABCs for all the lots or items participated in by the prospective Bidder.
- 19.4. The Project shall be awarded as follows:

One Project having several items that shall be awarded as one contract.

19.5. Except for bidders submitting a committed Line of Credit from a Universal or Commercial Bank in lieu of its NFCC computation, all Bids must include the NFCC computation pursuant to Section 23.4.1.4 of the 2016 revised IRR of RA No. 9184, which must be sufficient for the total of the ABCs for all the lots or items participated in by the prospective Bidder. For bidders submitting the committed Line of Credit, it must be at least equal to ten percent (10%) of the ABCs for all the lots or items participated in by the prospective Bidder.

20. Post-Qualification

20.2. Within a non-extendible period of five (5) calendar days from receipt by the Bidder of the notice from the BAC that it submitted the Lowest Calculated Bid, the Bidder shall submit its latest income and business tax returns filed and paid through the BIR Electronic Filing and Payment System (eFPS) and other appropriate licenses and permits required by law and stated in the **BDS**.

21. Signing of the Contract

21.1. The documents required in Section 37.2 of the 2016 revised IRR of RA No. 9184 shall form part of the Contract. Additional Contract documents are indicated in the **BDS**.

Section III. Bid Data Sheet

Bid Data Sheet

ITB Claus e			
5.3	For this purpose, contracts similar to the Project shall be:		
	a. Solar Powered Irrigation System (SPIS)	
	b. Completed within <i>Two (2) years</i> pand receipt of bids.	rior to the deadline for the submission	
7.1	"Subcontracting is not allowed"		
12	The price of the Goods shall be quoted DD International Commercial Terms (INCOTE	- · · · · · · · · · · · · · · · · · · ·	
14.1	The bid security shall be in the form of a Bid Securing Declaration, or any of the following forms and amounts:		
	a. The amount of not less than P415,827.78 , if bid security is in cash, cashier's/manager's check, bank draft/guarantee or irrevocable letter of credit;		
	b. The amount of not less than ₱1,039,569.46, if bid security is in Surety Bond.		
19.3			
19.3			
	Description	ABC (Php) (inclusive of VAT)	
	Supply, Delivery, Installation and Commissioning of Solar Powered Irrigation System in the Province of Albay and Camarines Sur for Implementation under Rice Program 2022		
	1.1 Bacolod-San Vicente SPIS at Brgy. Bacolod, Libon, Albay	₱6,930,000.00	
	1.2 Salvacion-Cotnogan SPIS at Brgy. Cotnogan, Polangui, Albay	6,930,695.95	
	1.3 San Jose SPIS at Brgy. San Jose, Minalabac, Camarines Sur	6,930,693.18	
	TOTAL	₱20,791,389.13	

20.2	The bidder shall submit:
	 a. Duly Notarized Certification of Availability and Location of Stocks b. Certificate of Authority to Supply and to Bid from the Source c. Certification as to dealership or distributorship d. Bidders are required to submit a Manufacturer's Certification that they are authorized distributor and installer or Certification from local distributor as authorized dealer. e. BIR Registration f. Latest Income Tax Return g. Latest VAT Payment h. Performance Evaluation Report of Single Largest Completed Contract (SLCC) duly signed by the end-user with the approval of the Director or RTD for Government Contract and with the approval of the highest ranking official for private contract. i. Other requirements peculiar to the procurement project under consideration
21.2	"Not applicable"

Section IV. General Conditions of	of of	Contract
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1. Scope of Contract

This Contract shall include all such items, although not specifically mentioned, that can be reasonably inferred as being required for its completion as if such items were expressly mentioned herein. All the provisions of RA No. 9184 and its 2016 revised IRR, including the Generic Procurement Manual, and associated issuances, constitute the primary source for the terms and conditions of the Contract, and thus, applicable in contract implementation. Herein clauses shall serve as the secondary source for the terms and conditions of the Contract.

This is without prejudice to Sections 74.1 and 74.2 of the 2016 revised IRR of RA No. 9184 allowing the GPPB to amend the IRR, which shall be applied to all procurement activities, the advertisement, posting, or invitation of which were issued after the affectivity of the said amendment.

Additional requirements for the completion of this Contract shall be provided in the **Special Conditions of Contract (SCC).**

2. Advance Payment and Terms of Payment

- 2.1. Advance payment of the contract amount is provided under Annex "D" of the revised 2016 IRR of RA No. 9184.
- 2.2. The Procuring Entity is allowed to determine the terms of payment on the partial or staggered delivery of the Goods procured, provided such partial payment shall correspond to the value of the goods delivered and accepted in accordance with prevailing accounting and auditing rules and regulations. The terms of payment are indicated in the **SCC**.

3. Performance Security

Within ten (10) calendar days from receipt of the Notice of Award by the Bidder from the Procuring Entity but in no case later than prior to the signing of the Contract by both parties, the successful Bidder shall furnish the performance security in any of the forms prescribed in Section 39 of the 2016 revised IRR of RA No. 9184.

4. Inspection and Tests

The Procuring Entity or its representative shall have the right to inspect and/or to test the Goods to confirm their conformity to the Project specifications at no extra cost to the Procuring Entity in accordance with the Generic Procurement Manual. In addition to tests in the SCC, Section IV (Technical Specifications) shall specify what inspections and/or tests the Procuring Entity requires, and where they are to be conducted. The Procuring Entity shall notify the Supplier in writing, in a timely manner, of the identity of any representatives retained for these purposes.

All reasonable facilities and assistance for the inspection and testing of Goods, including access to drawings and production data, shall be provided by the Supplier to the authorized inspectors at no charge to the Procuring Entity.

5. Warranty

- 6.1. In order to assure that manufacturing defects shall be corrected by the Supplier, a warranty shall be required from the Supplier as provided under Section 62.1 of the 2016 revised IRR of RA No. 9184.
- 6.2. The Procuring Entity shall promptly notify the Supplier in writing of any claims arising under this warranty. Upon receipt of such notice, the Supplier shall, repair or replace the defective Goods or parts thereof without cost to the Procuring Entity, pursuant to the Generic Procurement Manual.

6. Liability of the Supplier

The Supplier's liability under this Contract shall be as provided by the laws of the Republic of the Philippines.

If the Supplier is a joint venture, all partners to the joint venture shall be jointly and severally liable to the Procuring Entity.

Special Conditions of Contract

	Special Conditions of Contract		
GCC Clause			
1			
	Delivery and Documents –		
	For purposes of the Contract, "EXW," "FOB," "FCA," "CIF," "CIP," "DDP" and other trade terms used to describe the obligations of the parties shall have the meanings assigned to them by the current edition of INCOTERMS published by the International Chamber of Commerce, Paris. The Delivery terms of this Contract shall be as follows:		
	[For Goods supplied from abroad, state:] "The delivery terms applicable to the Contract are DDP delivered [indicate place of destination]. In accordance with INCOTERMS."		
	[For Goods supplied from within the Philippines, state:] "The delivery terms applicable to this Contract are delivered to Department of Agriculture RFO 5 , San Agustin, Pili, Camarines Sur . Risk and title will pass from the Supplier to the Procuring Entity upon receipt and final acceptance of the Goods at their final destination."		
	Delivery of the Goods shall be made by the Supplier in accordance with the terms specified in Section VI (Schedule of Requirements).		
	For purposes of this Clause the Procuring Entity's Representative at the Project Site is <i>Mr. Antonio Baylon, Property Officer</i>		
	Incidental Services –		
	The Supplier is required to provide all of the following services, including additional services, if any, specified in Section VI. Schedule of Requirements:		
	a. performance or supervision of on-site assembly and/or start-up of the supplied Goods;		
	b. furnishing of tools required for assembly and/or maintenance of the supplied Goods;		
	c. furnishing of a detailed operations and maintenance manual for each		
	appropriate unit of the supplied Goods;d. performance or supervision or maintenance and/or repair of the		
	supplied Goods, for a period of time agreed by the parties, provided that this service shall not relieve the Supplier of any warranty obligations under this Contract; and		
	e. training of the Procuring Entity's personnel, at the Supplier's plant and/or on-site, in assembly, start-up, operation, maintenance, and/or repair of the supplied Goods.		

The Contract price for the Goods shall include the prices charged by the Supplier for incidental services and shall not exceed the prevailing rates charged to other parties by the Supplier for similar services.

Spare Parts -

The Supplier is required to provide all of the following materials, notifications, and information pertaining to spare parts manufactured or distributed by the Supplier:

- a. such spare parts as the Procuring Entity may elect to purchase from the Supplier, provided that this election shall not relieve the Supplier of any warranty obligations under this Contract; and
- b. in the event of termination of production of the spare parts:
 - i. advance notification to the Procuring Entity of the pending termination, in sufficient time to permit the Procuring Entity to procure needed requirements; and
 - ii. following such termination, furnishing at no cost to the Procuring Entity, the blueprints, drawings, and specifications of the spare parts, if requested.

The spare parts and other components required are listed in **Section VI** (**Schedule of Requirements**) and the cost thereof are included in the contract price.

The Supplier shall carry sufficient inventories to assure ex-stock supply of consumable spare parts or components for the Goods for a period of [indicate here the time period specified. If not used indicate a time period of three times the warranty period].

Spare parts or components shall be supplied as promptly as possible, but in any case, within [insert appropriate time period] months of placing the order.

Packaging -

The Supplier shall provide such packaging of the Goods as is required to prevent their damage or deterioration during transit to their final destination, as indicated in this Contract. The packaging shall be sufficient to withstand, without limitation, rough handling during transit and exposure to extreme temperatures, salt and precipitation during transit, and open storage. Packaging case size and weights shall take into consideration, where appropriate, the remoteness of the Goods' final destination and the absence of heavy handling facilities at all points in transit.

The packaging, marking, and documentation within and outside the packages shall comply strictly with such special requirements as shall be expressly provided for in the Contract, including additional requirements, if any, specified below, and in any subsequent instructions ordered by the Procuring Entity.

The outer packaging must be clearly marked on at least four (4) sides as follows:

Name of the Procuring Entity
Name of the Supplier
Contract Description
Final Destination
Gross weight
Any special lifting instructions
Any special handling instructions
Any relevant HAZCHEM classifications

A packaging list identifying the contents and quantities of the package is to be placed on an accessible point of the outer packaging if practical. If not practical the packaging list is to be placed inside the outer packaging but outside the secondary packaging.

Transportation -

Where the Supplier is required under Contract to deliver the Goods CIF, CIP, or DDP, transport of the Goods to the port of destination or such other named place of destination in the Philippines, as shall be specified in this Contract, shall be arranged and paid for by the Supplier, and the cost thereof shall be included in the Contract Price.

Where the Supplier is required under this Contract to transport the Goods to a specified place of destination within the Philippines, defined as the Project Site, transport to such place of destination in the Philippines, including insurance and storage, as shall be specified in this Contract, shall be arranged by the Supplier, and related costs shall be included in the contract price.

Where the Supplier is required under Contract to deliver the Goods CIF, CIP or DDP, Goods are to be transported on carriers of Philippine registry. In the event that no carrier of Philippine registry is available, Goods may be shipped by a carrier which is not of Philippine registry provided that the Supplier obtains and presents to the Procuring Entity certification to this effect from the nearest Philippine consulate to the port of dispatch. In the event that carriers of Philippine registry are available but their schedule delays the Supplier in its performance of this Contract the period from when the Goods were first ready for shipment and the actual date of shipment the period of delay will be considered force majeure.

The Procuring Entity accepts no liability for the damage of Goods during transit other than those prescribed by INCOTERMS for DDP deliveries. In the case of Goods supplied from within the Philippines or supplied by domestic Suppliers

	risk and title will not be deemed to have passed to the Procuring Entity until their receipt and final acceptance at the final destination.
	Intellectual Property Rights –
	The Supplier shall indemnify the Procuring Entity against all third-party claims of infringement of patent, trademark, or industrial design rights arising from use of the Goods or any part thereof.
2.2	The terms of payment shall be as follows: Payment to effect upon completion of delivery and acceptance per lot."
4	The inspections and tests that will be conducted are: Testing and inspection shall be conducted to each unit.

Section VI. Schedule of Requirements

The delivery schedule expressed as weeks/months stipulates hereafter a delivery date which is the date of delivery to the project site.

Item Number	Description	Delivered, Weeks/Months
1	Supply, Delivery, Installation and Commissioning of Solar Powered Irrigation System in the Province of Albay and Camarines Sur 1.1 Bacolod-San Vicente SPIS at Brgy. Bacolod, Libon, Albay 1.2 Salvacion-Cotnogan SPIS at Brgy. Cotnogan, Polangui, Albay 1.3 San Jose SPIS at Brgy. San Jose, Minalabac, Camarines Sur	150 calendar days upon receipt of NTP

I hereby commit to comply and deliver all the above requirements in accordance with above stated schedule.

Signature over Printed Name of Au	thorized Representative
Date:	_

Section VII. Technical Specifications

Technical Specifications

Item	Specification	Statement of Compliance
		[Bidders must state here either "Comply" or "Not Comply" against each of the individual parameters of each Specification stating the corresponding performance parameter of the equipment offered. Statements of "Comply" or "Not Comply" must be supported by evidence in a Bidders Bid and cross-referenced to that evidence. Evidence shall be in the form of manufacturer's un-amended sales literature, unconditional statements of specification and compliance issued by the manufacturer, samples, independent test data etc., as appropriate. A statement that is not supported by evidence or is subsequently found to be contradicted by the evidence presented will render the Bid under evaluation liable for rejection. A statement either in the Bidder's statement of compliance or the supporting evidence that is found to be false either during Bid evaluation, post-qualification or the execution of the Contract may be regarded as fraudulent and render the Bidder or supplier liable for prosecution subject to the applicable laws and issuances.]
	Supply, Delivery, Installation and Commissioning of Solar Powered Irrigation System in the Province of Albay and Camarines Sur	
1	1.1 Bacolod-San Vicente SPIS at Brgy. Bacolod, Libon, Albay PART I. OTHER GENERAL REQUIREMENTS PART II. SOLAR MOUNTING STRUCTURE, CONCRETE AND REINFORCEMENT PART III. SUBMERSIBLE SEWAGE PUMP 6" Diameter Outlet, 15KW (20HP), 3 Phase 60Hz, Submersible Sewage Pump -Capacity of at least 1170 cubic meter per 5 hours operation per day at the following condition: 1. Pump Type: Submersible Pump 2. Total Dynamic Head: 30.0m (minimum) 3. Voltage: 380-415 Volt 4. Frequency: 60 Hz 5. Phase: Three Phase 6. Pump/Impeller: Stainless Steel 304/Cast Iron HT200 7. Working Principle: Submersible	

- 8. Outlet Diameter: 6 Inches
- 9. Driver: Electric Power
- 10. Structure: Centrifugal 11. Shaft: Duplex Stainless Steel
- 12. Motor: NEMA Standard Three Phase

Induction Type Motor

13. Temperature : -5° C to $+120^{\circ}$ C

PART IV. SOLAR PV MODULES, FITTINGS AND **ACCESSORIES**

- -450Wp PV Solar Module, Poly-Crystalline
- 1. Max Power: 450 Watt
- 2. Open Circuit Voltage: 49.60V
- 3. Short Circuit Current: 11.53A
- 4. Optimum Operating Voltage: 41V
- 5. Optimum Operating Current: 10.98A
- 6. Temperature: -40° C to $+90^{\circ}$ C

PART V. SOLAR INVERTER

-18.50KW, 300V-900V DC Input, 3phase-

380V/415V-37Amp AC

Output, Inverter

- 1. Built-in Maximum Power Point Tracking (MPPT)
- 2. AC/DC Compatibility
- 3. Overvoltage and Undervoltage Protection
- 4. Overload and Overcurrent Protection
- 5. Enclosure Class: IP 66
- -Controller Box (300mm x 600mm x 800mm)

PART VI. PV DISCONNECT, PV PROTECT and

COMBINER DEVICE

DC-AC Line Protection

- -6 Pair Terminal Block Connector
- -DC MCCB, 15A 4P
- -DC MCCB, 60A 2P
- -DC SPD, 1000VDC 2P
- -AC MCCB, 60A 3P

PART VII. CABLE WIRE and ACCESSORIES

System Wiring Installation

- -3.5mm² THHW (#12 AWG) Wire
- -Royal Cord 3C #8 AWG + 1C #10 AWG
- -Royal Cord 2C, #6 AWG
- -25mm Diameter PVC Pipe Conduit

PART VIII. OUTLET WORKS

PIPE OUTLET INSTALLATION

- -6m X 6" Diameter S40 G.I. Pipe
- -6m X 6" Diameter SDR17 HDPE Pipe
- -10 Bolts, 8" Diameter End Flange

PART IX. PUMP INTAKE STRUCTURE, SUMP

AND CONTROLLER HOUSE

PART X. PERIMETER FENCE (60 L.M.)

PART XI. PIPE END CHECK AND PIPE TURN-

OUT STRUCTURE

PIPING WORKS

6" Inside Diameter HDPE Pipe, SDR17 w/ Steel Gate Valve

PART XII. FINISHING/ PAINTING WORKS

All Taxes, contractors profit and hauling costs and delivery are included in unit cost per item Bidders are required to submit a Manufacturer's Certification that they are authorized distributor and installer or Certification from local distributor as authorized dealer.

Duly Notarized Certification of availability and location of stocks

List of service center (with service contract) Minimum of 4 years in the solar powered pump business industry

AMTEC Tested (Results for Pump and Solar Panel)

1.2 Salvacion-Cotnogan SPIS at Brgy. Cotnogan, Polangui, Albay

PART I. OTHER GENERAL REQUIREMENTS PART II. SOLAR MOUNTING STRUCTURE,

CONCRETE AND REINFORCEMENT

PART III. AMTEC TESTED PUMP

(SUBMERSIBLE PUMP)

6" Diameter, 30KW (40HP), 3 Phase 60Hz,

Submersible Pump

-Capacity of at least 720-800 cubic meter per 5 hours operation per day at

the following condition:

1. Pump Type : Submersible Pump

2. Total Dynamic Head: 90.0m (minimum)

3. Voltage: 460 Volt 4. Frequency: 60 Hz

5. Phase: Three Phase

6. Pump/Impeller: Stainless Steel 304/Cast Iron

7. Working Principle: Submersible

8. Outlet Diameter: 6 Inches 9. Driver: Electric Power 10. Structure: Centrifugal

11. Shaft: Duplex Stainless Steel

12. Motor: NEMA Standard Three Phase

Induction Type Motor

13. Temperature : -5° C to $+120^{\circ}$ C

PART IV. SOLAR PV MODULES, FITTINGS AND

ACCESSORIES

-450Wp PV Solar Module, Poly-Crystalline

1. Max Power: 450 Watt

2. Open Circuit Voltage: 49.60V

3. Short Circuit Current: 11.53A

4. Optimum Operating Voltage: 41V

5. Optimum Operating Current: 10.98A

6. Temperature: -40° C to $+90^{\circ}$ C

PART V. SOLAR INVERTER

-38KW, 360V-700V DC Input, 3phase-460V-65Amp AC Output, Inverter

1. Built-in Maximum Power Point Tracking (MPPT)

2. AC/DC Compatibility

3. Overvoltage and Undervoltage Protection

4. Overload and Overcurrent Protection

5. Enclosure Class: IP 66

-Control Box (800mm X 600mm X 300mm)

PART VI. PV DISCONNECT, PV PROTECT and

COMBINER BOX

DC-AC Line Protection

-DC MCB, 20A 2P

-DC SPD, 1000VDC 2P

-AC MCB, 150A 3P

-MC4 Straight

PART VII. CABLE WIRE and ACCESSORIES

System Wiring Installation

-Royal Cord 3C, 8 AWG

-Royal Cord 2C, 14 AWG

PART VIII. OUTLET WORKS

Pump Outlet Pipe

-6m X 6" Diameter S40 G.I. Pipe

-10 Bolts, 8" Diameter End Flange

-6m X 6" Diameter PVC PN20 Blue. Pipe

PART IX. PUMP INTAKE STRUCTURE, SUMP

AND CONTROLLER HOUSE

PART X. PUMP STILLING POOL

All Taxes, contractors profit and hauling costs and delivery are included in unit cost per item

Bidders are required to submit a Manufacturer's

Certification that they are authorized distributor and installer or Certification from

local distributor as authorized dealer.

Minimum of 4 years in the solar powered pump business industry

AMTEC Tested (Results for Pump and Solar Panel) Duly Notarized Certification of availability and location of stocks

List of service center (with service contract)

1.3 San Jose SPIS at Brgy. San Jose, Minalabac, Camarines Sur

PART I. OTHER GENERAL REQUIREMENTS PART II. SOLAR MOUNTING STRUCTURE,

CONCRETE AND

REINFORCEMENT PART III. AMTEC TESTED PUMP

(SUBMERSIBLE PUMP)

6" Diameter, 22KW (30HP), 3 Phase 60Hz,

Submersible Pump

-Capacity of at least 1200-1500 cubic meter per 5 hours

operation per day at the following condition:

1. Pump Type: Submersible Pump

2. Total Dynamic Head: 90.0m (minimum)

3. Voltage: 460 Volt 4. Frequency: 60 Hz

5. Phase: Three Phase

6. Pump/Impeller : Stainless Steel 304/Cast Iron

HT200

7. Working Principle: Submersible

8. Outlet Diameter: 6 Inches

9. Driver: Electric Power

10. Structure : Centrifugal

11. Shaft : Duplex Stainless Steel

12. Motor: NEMA Standard Three Phase

Induction Type Motor

13. Temperature : -5° C to $+120^{\circ}$ C

PART IV. SOLAR PV MODULES, FITTINGS AND ACCESSORIES

-330Wp PV Solar Module, Poly-Crystalline

1. Max Power: 330 Watt

2. Open Circuit Voltage: 49.70V

3. Short Circuit Current: 9.11A

4. Optimum Operating Voltage: 38.20V

5. Optimum Operating Current: 8.64A

6. Temperature: -40°C to +90°C

PART V. SOLAR INVERTER

-35KW, 360V-700V DC Input, 3phase-460V-65Amp AC Output,

Inverter

1. Built-in Maximum Power Point Tracking (MPPT)

2. AC/DC Compatibility

3. Overvoltage and Undervoltage Protection

4. Overload and Overcurrent Protection

5. Enclosure Class: IP 66

-Control Box (800mm X 600mm X 300mm)

PART VI. PV DISCONNECT, PV PROTECT and

COMBINER DEVICE

DC-AC Line Protection

-DC MCB, 20A 2P

-DC SPD, 1000VDC 2P

-AC MCB, 50A 3P

-MC4 Straight

PART VII. CABLE WIRE and ACCESSORIES

System Wiring Installation

-Royal Cord 3C, 8 AWG

-Royal Cord 2C, 14 AWG

PART VIII. OUTLET WORKS

Pump Outlet Pipe

-6m X 6" Diameter S40 G.I. Pipe

-10 Bolts, 8" Diameter End Flange

PART IX. PUMP INTAKE STRUCTURE, SUMP AND HOUSE

PART X. SLOPE PROTECTION (10 L.M.)

PART XI. IRRIGATION WORKS (50mm x 50mm

Concrete Canal)

PART XII. PUMP STILLING POOL

PART XIII. PERIMETER FENCE (64 L.M.)

All Taxes, contractors profit and hauling costs and delivery are included in unit cost per item Bidders are required to submit a Manufacturer's Certification that they are authorized distributor and installer or Certification from local distributor as authorized dealer.

Duly Notarized Certification of availability and location of stocks

List of service center (with service contract) Minimum of 4 years in the solar powered pump business industry

AMTEC Tested (Results for Pump and Solar Panel)

- **a.** Certificate of Availability and Location of Stocks
- **b.** Certificate of Authority to Supply and to Bid from the Source
- **c.** Certification as to dealership or distributorship
- **d.** Bidders are required to submit a Manufacturer's Certification that they are authorized distributor and installer or Certification from local distributor as authorized dealer.

I hereby commit to comply and deliver all the above requirements in accordance with above technical specifications.

Signature over Printed Name of Authorized Representative

Date: _____

Section VIII. Checklist of Technical and Financial Documents

Checklist of Technical and Financial Documents

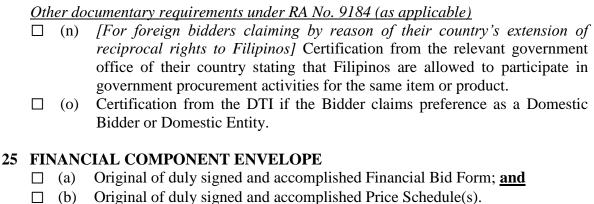
I. TECHNICAL COMPONENT ENVELOPE

Class "A" Documents

Leg	<u>gal Do</u>	<u>ocuments</u>
	(a)	Valid PhilGEPS Registration Certificate (Platinum Membership) (all pages);
	(b)	Registration certificate from Securities and Exchange Commission (SEC), Department of Trade and Industry (DTI) for sole proprietorship, or Cooperative Development Authority (CDA) for cooperatives or its equivalent document,
	(c)	and Mayor's or Business permit issued by the city or municipality where the principal place of business of the prospective bidder is located, or the equivalent document for Exclusive Economic Zones or Areas; and
	(d)	Tax clearance per E.O. No. 398, s. 2005, as finally reviewed and approved by the Bureau of Internal Revenue (BIR).
Te	chnice	al Documents
	(f)	Statement of the prospective bidder of all its ongoing government and private
	(g)	contracts, including contracts awarded but not yet started, if any, whether similar or not similar in nature and complexity to the contract to be bid; <u>and</u> Statement of the bidder's Single Largest Completed Contract (SLCC) similar to the contract to be bid, except under conditions provided for in Sections 23.4.1.3 and 23.4.2.4 of the 2016 revised IRR of RA No. 9184, within the relevant period as provided in the Bidding Documents; <u>and</u>
	(h)	Original copy of Bid Security. If in the form of a Surety Bond, submit also a certification issued by the Insurance Commission;
	(i)	Original copy of Notarized Bid Securing Declaration; <u>and</u> Conformity with the Technical Specifications, which may include production/delivery schedule, manpower requirements, and/or aftersales/parts, if applicable; and
	(j)	Original duly signed Omnibus Sworn Statement (OSS); and if applicable, Original Notarized Secretary's Certificate in case of a corporation, partnership, or cooperative; or Original Special Power of Attorney of all members of the joint venture giving full power and authority to its officer to sign the OSS and do acts to represent the Bidder.
Fir	nancia	al Documents
	(k)	The Supplier's audited financial statements, showing, among others, the Supplier's total and current assets and liabilities, stamped "received" by the BIR or its duly accredited and authorized institutions, for the preceding calendar year which should not be earlier than two (2) years from the date of
	(1)	bid submission; <u>and</u> The prospective bidder's computation of Net Financial Contracting Capacity (NFCC);
		or A committed Line of Credit from a Universal or Commercial Bank in lieu of its NFCC computation.
		Class "B" Documents
	(m)	If applicable, a duly signed joint venture agreement (JVA) in case the joint venture is already in existence:

duly notarized statements from all the potential joint venture partners stating that they will enter into and abide by the provisions of the JVA in the instance that the bid is successful.

Other documentary requirements under RA No. 9184 (as applicable)



Section IX. BIDDING FORMS

BID FORM

Date :	
Project Identification No. :	

To: [name and address of Procuring Entity]

Having examined the Philippine Bidding Documents (PBDs) including the Supplemental or Bid Bulletin Numbers [insert numbers], the receipt of which is hereby duly acknowledged, we, the undersigned, offer to [supply/deliver/perform] [description of the Goods] in conformity with the said PBDs for the sum of [total Bid amount in words and figures] or the total calculated bid price, as evaluated and corrected for computational errors, and other bid modifications in accordance with the Price Schedules attached herewith and made part of this Bid. The total bid price includes the cost of all taxes, such as, but not limited to: [specify the applicable taxes, e.g. (i) value added tax (VAT), (ii) income tax, (iii) local taxes, and (iv) other fiscal levies and duties], which are itemized herein or in the Price Schedules,

If our Bid is accepted, we undertake:

- a. to deliver the goods in accordance with the delivery schedule specified in the Schedule of Requirements of the Philippine Bidding Documents (PBDs);
- b. to provide a performance security in the form, amounts, and within the times prescribed in the PBDs;
- c. to abide by the Bid Validity Period specified in the PBDs and it shall remain binding upon us at any time before the expiration of that period.

[Insert this paragraph if Foreign-Assisted Project with the Development Partner: Commissions or gratuities, if any, paid or to be paid by us to agents relating to this Bid, and to contract execution if we are awarded the contract, are listed below:

of agentCurrencyCommission or gratuity	
(if none, state "None") /	

Until a formal Contract is prepared and executed, this Bid, together with your written acceptance thereof and your Notice of Award, shall be binding upon us.

We understand that you are not bound to accept the Lowest Calculated Bid or any Bid you may receive.

We certify/confirm that we comply with the eligibility requirements pursuant to the PBDs.

The undersigned is authorized to submit the bid on behalf of [name of the bidder] as evidenced by the attached [state the written authority].

We acknowledge that failure to sign each and every page of this Bid Form, including the attached Schedule of Prices, shall be a ground for the rejection of our bid.
Name:
Legal capacity:
Signature:
Duly authorized to sign the Bid for and behalf of:
Date:

Price Schedule for Goods Offered from Abroad [shall be submitted with the Bid if bidder is offering goods from Abroad]

For Goods Offered from Abroad

Name of Bidder _____ Project ID No.____ Page ___ of ___

1	2	3	4	5	6	7	8	9
Item	Description	Country of origin	Quantity	Unit price CIF port of entry (specify port) or CIP named place (specify border point or place of destination)	Total CIF or CIP price per item (col. 4 x 5)	Unit Price Delivered Duty Unpaid (DDU)	Unit price Delivered Duty Paid (DDP)	Total Price delivered DDP (col 4 x 8)

Name:	
Legal Capacity:	
Signature:	
Duly authorized to sign the Bid for and behalf of:	

Price Schedule for Goods Offered from Within the Philippines [shall be submitted with the Bid if bidder is offering goods from within the Philippines]

For Goods Offered from Within the Philippines										
Name	of Bidder				Projec	t ID No		Page	_of	
1	2	3	4	5	6	7	8	9	10	
Item	Description	Country of origin	Quantity	Unit price EXW per item	Transportation and all other costs incidental to delivery, per item	Sales and other taxes payable if Contract is awarded, per item	Cost of Incidental Services, if applicable, per item	Total Price, per unit (col 5+6+7+ 8)	Total Price delivered Final Destination (col 9) x (col 4)	
Name):									
Legal	Capacity:									
Signa	ture:									
Duly a	authorized	to sign th	e Bid for	and be	ehalf of:					

Bid Securing Declaration Form

[shall be submitted with the Bid if bidder opts to provide this form of bid security]

REPUBLIC OF THE PHILIPPINES)	
CITY OF	_) S.S.

BID SECURING DECLARATION Project Identification No.: [Insert number]

To: [Insert name and address of the Procuring Entity]

I/We, the undersigned, declare that:

- 1. I/We understand that, according to your conditions, bids must be supported by a Bid Security, which may be in the form of a Bid Securing Declaration.
- 2. I/We accept that: (a) I/we will be automatically disqualified from bidding for any procurement contract with any procuring entity for a period of two (2) years upon receipt of your Blacklisting Order; and, (b) I/we will pay the applicable fine provided under Section 6 of the Guidelines on the Use of Bid Securing Declaration, within fifteen (15) days from receipt of the written demand by the procuring entity for the commission of acts resulting to the enforcement of the bid securing declaration under Sections 23.1(b), 34.2, 40.1 and 69.1, except 69.1(f), of the IRR of RA No. 9184; without prejudice to other legal action the government may undertake.
- 3. I/We understand that this Bid Securing Declaration shall cease to be valid on the following circumstances:
 - a. Upon expiration of the bid validity period, or any extension thereof pursuant to your request;
 - b. I am/we are declared ineligible or post-disqualified upon receipt of your notice to such effect, and (i) I/we failed to timely file a request for reconsideration or (ii) I/we filed a waiver to avail of said right; and
 - c. I am/we are declared the bidder with the Lowest Calculated Responsive Bid, and I/we have furnished the performance security and signed the Contract.

IN WITNESS WHEREOF, I/We have hereunto set my/our hand/s this ____ day of [month] [year] at [place of execution].

[Insert NAME OF BIDDER OR ITS AUTHORIZED REPRESENTATIVE]
[Insert signatory's legal capacity]
Affiant

[Jurat]

[Format shall be based on the latest Rules on Notarial Practice]

[Not required to be submitted with the Bid, but it shall be submitted within ten (10) days after receiving the Notice of Award]

CONTRACT AGREEMENT

THIS AGREEMENT made the	day of	20	between [name of
PROCURING ENTITY] of the Philippines	s (hereinafter	called "the Entity	") of the one part and
[name of Supplier] of [city and country of	of Supplier] (I	hereinafter called	"the Supplier") of the
other part;			

WHEREAS, the Entity invited Bids for certain goods and ancillary services, particularly [brief description of goods and services] and has accepted a Bid by the Supplier for the supply of those goods and services in the sum of [contract price in words and figures in specified currency] (hereinafter called "the Contract Price").

NOW THIS AGREEMENT WITNESSETH AS FOLLOWS:

- 1. In this Agreement words and expressions shall have the same meanings as are respectively assigned to them in the Conditions of Contract referred to.
- 2. The following documents as required by the 2016 revised Implementing Rules and Regulations of Republic Act No. 9184 shall be deemed to form and be read and construed as integral part of this Agreement, *viz.*:
 - i. Philippine Bidding Documents (PBDs);
 - i. Schedule of Requirements;
 - ii. Technical Specifications:
 - iii. General and Special Conditions of Contract; and
 - iv. Supplemental or Bid Bulletins, if any
 - ii. Winning bidder's bid, including the Eligibility requirements, Technical and Financial Proposals, and all other documents or statements submitted;

Bid form, including all the documents/statements contained in the Bidder's bidding envelopes, as annexes, and all other documents submitted (e.g., Bidder's response to request for clarifications on the bid), including corrections to the bid, if any, resulting from the Procuring Entity's bid evaluation;

- iii. Performance Security;
- iv. Notice of Award of Contract; and the Bidder's conforme thereto; and
- v. Other contract documents that may be required by existing laws and/or the Procuring Entity concerned in the PBDs. Winning bidder agrees that additional contract documents or information prescribed by the GPPB that are subsequently required for submission after the contract execution, such as the Notice to Proceed, Variation Orders, and Warranty Security, shall likewise form part of the Contract.
- 3. In consideration for the sum of [total contract price in words and figures] or such other sums as may be ascertained, [Named of the bidder] agrees to [state the object of the contract] in accordance with his/her/its Bid.

4. The [Name of the procuring entity] agrees to pay the above-mentioned sum in accordance with the terms of the Bidding.

IN WITNESS whereof the parties hereto have caused this Agreement to be executed in accordance with the laws of the Republic of the Philippines on the day and year first above written.

[Insert Name and Signature]

[Insert Name and Signature]

[Insert Signatory's Legal Capacity]

[Insert Signatory's Legal Capacity]

for:

for:

[Insert Procuring Entity]

[Insert Name of Supplier]

Acknowledgment

[Format shall be based on the latest Rules on Notarial Practice]

Omnibus Sworn Statement (Revised) [shall be submitted with the Bid]

REPUBLIC OF THE PHILIPPI	NFS)	
	. '	
CITY/MUNICIPALITY OF) S.S.	

AFFIDAVIT

- I, [Name of Affiant], of legal age, [Civil Status], [Nationality], and residing at [Address of Affiant], after having been duly sworn in accordance with law, do hereby depose and state that:
- 1. [Select one, delete the other:]

[If a sole proprietorship:] I am the sole proprietor or authorized representative of [Name of Bidder] with office address at [address of Bidder];

[If a partnership, corporation, cooperative, or joint venture:] I am the duly authorized and designated representative of [Name of Bidder] with office address at [address of Bidder];

2. [Select one, delete the other:]

[If a sole proprietorship:] As the owner and sole proprietor, or authorized representative of [Name of Bidder], I have full power and authority to do, execute and perform any and all acts necessary to participate, submit the bid, and to sign and execute the ensuing contract for [Name of the Project] of the [Name of the Procuring Entity], as shown in the attached duly notarized Special Power of Attorney;

[If a partnership, corporation, cooperative, or joint venture:] I am granted full power and authority to do, execute and perform any and all acts necessary to participate, submit the bid, and to sign and execute the ensuing contract for [Name of the Project] of the [Name of the Procuring Entity], as shown in the attached [state title of attached document showing proof of authorization (e.g., duly notarized Secretary's Certificate, Board/Partnership Resolution, or Special Power of Attorney, whichever is applicable;)];

- 3. [Name of Bidder] is not "blacklisted" or barred from bidding by the Government of the Philippines or any of its agencies, offices, corporations, or Local Government Units, foreign government/foreign or international financing institution whose blacklisting rules have been recognized by the Government Procurement Policy Board, by itself or by relation, membership, association, affiliation, or controlling interest with another blacklisted person or entity as defined and provided for in the Uniform Guidelines on Blacklisting:
- 4. Each of the documents submitted in satisfaction of the bidding requirements is an authentic copy of the original, complete, and all statements and information provided therein are true and correct;
- 5. [Name of Bidder] is authorizing the Head of the Procuring Entity or its duly authorized representative(s) to verify all the documents submitted;
- 6. [Select one, delete the rest:]

[If a sole proprietorship:] The owner or sole proprietor is not related to the Head of the Procuring Entity, members of the Bids and Awards Committee (BAC), the Technical Working Group, and the BAC Secretariat, the head of the Project Management Office or the end-user unit, and the project consultants by consanguinity or affinity up to the third civil degree;

[If a partnership or cooperative:] None of the officers and members of [Name of Bidder] is related to the Head of the Procuring Entity, members of the Bids and Awards Committee (BAC), the Technical Working Group, and the BAC Secretariat, the head of the Project Management Office or the end-user unit, and the project consultants by consanguinity or affinity up to the third civil degree;

[If a corporation or joint venture:] None of the officers, directors, and controlling stockholders of [Name of Bidder] is related to the Head of the Procuring Entity, members of the Bids and Awards Committee (BAC), the Technical Working Group, and the BAC Secretariat, the head of the Project Management Office or the end-user unit, and the project consultants by consanguinity or affinity up to the third civil degree;

- 7. [Name of Bidder] complies with existing labor laws and standards; and
- 8. [Name of Bidder] is aware of and has undertaken the responsibilities as a Bidder in compliance with the Philippine Bidding Documents, which includes:
 - a. Carefully examining all of the Bidding Documents;
 - Acknowledging all conditions, local or otherwise, affecting the implementation of the Contract:
 - c. Making an estimate of the facilities available and needed for the contract to be bid, if any; and
 - d. Inquiring or securing Supplemental/Bid Bulletin(s) issued for the [Name of the Project].
- 9. [Name of Bidder] did not give or pay directly or indirectly, any commission, amount, fee, or any form of consideration, pecuniary or otherwise, to any person or official, personnel or representative of the government in relation to any procurement project or activity.
- 10. In case advance payment was made or given, failure to perform or deliver any of the obligations and undertakings in the contract shall be sufficient grounds to constitute criminal liability for Swindling (Estafa) or the commission of fraud with unfaithfulness or abuse of confidence through misappropriating or converting any payment received by a person or entity under an obligation involving the duty to deliver certain goods or services, to the prejudice of the public and the government of the Philippines pursuant to Article 315 of Act No. 3815 s. 1930, as amended, or the Revised Penal Code.

IN WITNESS WHEREOF, I	have	hereunto	set	my	hand	this	_	day	of	,	20	at
, Philippines.												

[Insert NAME OF BIDDER OR ITS AUTHORIZED REPRESENTATIVE]
[Insert signatory's legal capacity]
Affiant

[Jurat]

[Format shall be based on the latest Rules on Notarial Practice]

Performance Securing Declaration (Revised)

[if used as an alternative performance security but it is not required to be submitted with the Bid, as it shall be submitted within ten (10) days after receiving the Notice of Award]

REPUBLIC OF THE PHILIPPINES)				
CITY OF) S.S.			

PERFORMANCE SECURING DECLARATION

Invitation to Bid: [Insert Reference Number indicated in the Bidding Documents] To: [Insert name and address of the Procuring Entity]

I/We, the undersigned, declare that:

- I/We understand that, according to your conditions, to guarantee the faithful performance by the supplier/distributor/manufacturer/contractor/consultant of its obligations under the Contract, I/we shall submit a Performance Securing Declaration within a maximum period of ten (10) calendar days from the receipt of the Notice of Award prior to the signing of the Contract.
- 2. I/We accept that: I/we will be automatically disqualified from bidding for any procurement contract with any procuring entity for a period of one (1) year for the first offense, or two (2) years **for the second offense**, upon receipt of your Blacklisting Order if I/We have violated my/our obligations under the Contract;
- 3. I/We understand that this Performance Securing Declaration shall cease to be valid upon:
 - a. issuance by the Procuring Entity of the Certificate of Final Acceptance, subject to the following conditions:
 - i. Procuring Entity has no claims filed against the contract awardee;
 - ii. It has no claims for labor and materials filed against the contractor; and
 - iii. Other terms of the contract; or
 - b. replacement by the winning bidder of the submitted PSD with a performance security in any of the prescribed forms under Section 39.2 of the 2016 revised IRR of RA No. 9184 as required by the end-user.

IN WITNESS WHEREOF, I/We have hereunto set my/our hand/s this ____ day of [month] [year] at [place of execution].

[Insert NAME OF BIDDER OR ITS AUTHORIZED REPRESENTATIVE]
[Insert signatory's legal capacity]

Affiant

[Jurat]

[Format shall be based on the latest Rules on Notarial Practice]

