



Bid Notice Abstract

Invitation to Bid (ITB)

Reference Number 11650365
Procuring Entity NATIONAL IRRIGATION ADMINISTRATION - REGION IX
Title Construction of Solar Powered Pump with AI Satellite-Assisted Monitoring and Fertigation System for ZDS IMO Projects (Cluster 1), Zamboanga del Sur
Area of Delivery Zamboanga Del Sur

Solicitation Number:	NIAR9-EGPIPCLUSTER12025-018 (INFRA)	Status	Pending
Trade Agreement:	Implementing Rules and Regulations	Associated Components	3
Procurement Mode:	Public Bidding	Bid Supplements	0
Classification:	Civil Works	Document Request List	0
Category:	Construction Projects	Date Published	09/01/2025
Approved Budget for the Contract:	PHP 141,525,729.76	Last Updated / Time	08/01/2025 18:12 PM
Delivery Period:	240 Day/s	Closing Date / Time	28/01/2025 09:00 AM
Client Agency:			
Contact Person:	Rex L. Armentia BAC Chairperson Lot 2, Block 15, Regional Center IX, Balintawak Pagadian City Zamboanga Del Sur Philippines 7017 63-62-9453512 63-62-9453512 niaregion9bac@gmail.com		

Description

Invitation to Bid for
Construction of Solar Powered Pump with AI Satellite-Assisted Monitoring and Fertigation System for ZDS IMO Projects (Cluster 1)

The National Irrigation Administration – Regional Office IX BAC, through the CY 2025 National Expenditure Program (NEP) for General Appropriation Act (GAA) 2025 Fund, invites contractors to submit bids for the following Contract:

Contract Reference No. : NIAR9-EGPIPCLUSTER12025-018 (INFRA)
 Project Name : ZAMBOANGA DEL SUR IMO PROJECTS
 Contract Location : ZAMBOANGA DEL SUR
 Scope of Works : CONSTRUCTION OF SOLAR POWERED PUMP WITH AI SATELLITE-ASSISTED MONITORING AND FERTIGATION SYSTEM (CLUSTER 1)
 Approved Budget for the Contract (ABC) : PHP 141,525,729.76
 Contract Duration : 240 CALENDAR DAYS
 Amount of Bidding Documents : PHP 50,000.00

The NIA – RO9 BAC is conducting a public bidding for this Contract in accordance with Republic Act 9184, otherwise known as the "Government Procurement Reform Act" and its Revised Implementing Rules and Regulations (RIRR).

To be eligible to bid for the above-stated Contract, a contractor must meet the following major requirements: (a) Filipino Citizen or 60% Filipino-owned partnership/corporation; (b) completion of a similar contract costing at least 50% of the ABC, and (c) Net Financial Contracting Capacity (NFCC) at least equal to ABC.

Interested bidders are required to submit two (2) Valid IDs of the Authorized Managing Officer/Authorized Liaison

Officer indicated in the submitted Company Profile/CRC. Updated Company Profile shall also be submitted and presented to the NIA-R9 BAC Secretariat upon purchased of the Bidding Documents. Credit line commitment shall no longer be accepted as an alternative to the prospective bidder's computation of NFCC per GPPB Resolution No. 20-2013 dated July 30, 2013. Bidding will be conducted through open competitive bidding procedures using non-discretionary "pass/fail" criterion in the eligibility check, preliminary evaluation of bids, post qualification, and award.

The significant times and deadlines of procurement activities are shown below:

Issuance of Bidding Documents : January 9 – 15, 2025 at 8:30 AM
 Pre-bid Conference : January 16, 2025 at 9:00 AM
 Submission of Bids : January 28, 2025 at 8:30 AM
 Opening of Bids : January 28, 2025 at 9:00 AM

Interested bidders may obtain further information from NIA – RO9 BAC and inspect the Bidding Documents at the address given below starting January 9 – 28, 2025.

A complete set of Bidding Documents may be purchased by Interested Bidders from the address below and upon payment of a non-refundable fee for the Bidding Documents prescribed in the above-mentioned list of projects.

It may also be downloaded free of charge from the website of the Philippine Government Electronic Procurement System (PhilGEPS) and the website of the Procuring Entity, provided that bidders shall pay the fee for the Bidding Documents not later than the submission of their bids.

Only the Authorized Managing Officer/Authorized Liaison Officer indicated in the submitted Company Profile/CRC shall be authorized to purchase and submit bidding documents. The use of Special Power of Attorney (SPA) is prohibited as per NIA Memorandum Circular No.52 series 2014 dated December 1, 2014.

The NIA – RO9 BAC will hold a Pre-Bid Conference on 16 January 2025 at 9:00 AM at Conference Room, National Irrigation Administration – Regional Office IX, Regional Center, Balintawak, Pagadian City, which shall be open to all interested parties.

Bids must be duly received by the BAC Secretariat thru manual submission at the office address as indicated below on or before 28 January 2025 at 08:30 AM. Late bids shall not be accepted.

All bids must be accompanied by a Bid Securing Declaration or Bid Security in any of the acceptable forms and in the amount stated in ITB. Clause 18.1. Bids will be opened in the presence of the bidder's authorized managing officer or authorized liaison officer of interested parties at the address below.

The NIA – RO9 BAC additional guidelines is the conduct of site inspection to be scheduled during Pre-Bid Conference.
 • The CERTIFICATE OF SITE INSPECTION shall be issued and signed by the NIA R9 Authorized Representative after the activity, which SHALL be required to include in the bid tender (Technical Component).

Prospective bidders shall submit their sealed envelopes together with the duly accomplished forms as provided in the BD's on or before the deadline of dropping of the bid documents at the NIA – RO9 BAC by the Authorized Managing Officer (AMO) or Authorized Liaison Officer indicated in the submitted Company Profile/CRC of the parties. The liaison officer shall submit a letter from the AMO authorizing her/him to drop their bid, attend the bidding process and also submit a copy of company I.D. for verification. No Special Power of Attorney (SPA) shall be allowed.

The Procuring Entity shall not be held responsible of any and all bid documents/proposals losses. All interested contractors/bidders must inform the BAC Chairperson thru its Secretariat of their documents submitted in any means provided above before the date of the bid opening to avoid late submission.

The NIA – RO9 BAC reserves the right to accept or reject any bid, to annul the bidding process, and to reject all bids at any time prior to contract award, without thereby incurring any liability to the affected bidder or bidders, in accordance with the provisions of Section 41 of RA 9184 and its IRR.

Pursuant to NIA Memorandum Circular No. 119 s. 2020, Subject: POLICY ON UTILIZATION OF VIDEOCONFERENCING, WEBCASTING OR SIMILAR TECHNOLOGY IN THE CONDUCT OF PUBLIC PROCUREMENT ACTIVITIES, procurement proceedings for the above mention contracts will be held through face-to-face meeting in combination with video conferencing using Google Meet thru the links:

Pre-Bidding Conference : <https://meet.google.com/mhf-qztj-ggs>
 Opening of Bids : <https://meet.google.com/qdl-eomz-cfs>

5.2 For this purpose, contracts similar to the Project refer to contracts which have the same major categories of work, which shall be: Completed for the past five (5) years.

• Well Drilling, Supply/Installation of Pump Irrigation Projects with Mechanical, Irrigation & Flood Control and Electrical works

To be eligible to bid for the contract, bidders must have done a Single Largest Completed Contract (SLCC) containing a category of work which is the same as or similar to the Major Category of Works, and who's total SLCC cost is at least 50% of the Approved Budget for the Contract (ABC) to be bid.

The above SLCC must be supported by a Copy of the Contract, Certificate of Completion, and Owner's Certificate of Final Acceptance (1-year after the issuance of the Certificate of Completion) Issued by the project owner other than the contractor or a final rating of at least Satisfactory in the Constructors Performance Evaluation System (CPES). In case of contracts with the private sector, an equivalent document shall be submitted.

10.3 A valid PCAB License is required, and in case of joint ventures, a valid special PCAB License, and registration for the type and cost of the contract for this Project.

Interested bidders shall have at least or any equivalent to PCAB Size Range "Medium B" Category: "A", SP-WD (Well-Drilling Work), SP-EE (Electrical Works), and SP-ME (Mechanical Works).

Additional valid Certificate of Well Driller Registration issued by the National Water Resources Board (NWRB) will be evaluated.

10.4

The key personnel must meet the required minimum years of experience set below:

Key Personnel Relevant Experience General Experience Number

Project Engineer 3 years A licensed Civil Engineer. Experienced in Solar Powered Irrigation Projects. Shall render full-time service to the project until completion. 5 years 9

Office Engineer 3 years A licensed Civil Engineer. Shall render full-time service to the project until completion. 5 years 1

Materials Engineer 3 years Shall be an accredited Material Engineer of DPWH. Shall render service to the project as required. 5 years 1

Foreman 5 years Experienced in Solar Powered Irrigation Projects. Shall render full-time service to the project until completion. 5 years 9

Safety & Health Officer (SO2) 3 years Shall have at least 3 years' experience in construction

Industry. Completed COSH Training and shall render fulltime service to the project until completion. 3 years 9

Geologist 3 years A licensed Geologist with experience in Solar Powered Irrigation Projects. Shall render service to the project as required. 5 years 1

Electrical Engineer 3 years A licensed Electrical Engineer with experience in Solar Powered Irrigation Projects. Shall render service to the project as required. 5 years 1

Mechanical Engineer 3 years A licensed Mechanical Engineer with experience in Solar Powered Irrigation Projects. Shall render service to the project as required. 5 years 1

The contractor may assign other support personnel from those listed for the optimal performance of the project construction team. The support personnel shall undertake the required day-to-day site or office-related activities of the contractor.

Full time services mean, the personnel involved shall render minimum of eight (8) hours a day or forty (40) hour a week and shall be available upon request of the procuring entity.

10.5 The minimum major equipment requirements are the following:

Equipment Capacity No. of Units

Crawler Type Drilling Rig (Rotary or Hydraulic Driven) 100m 3

Compressor 160 cfm 3

Generator Set 15kVA 3

Water Pump (for Pump Testing) 15hp 3

Dump Truck 10 cu.m. 3

Dump Truck 4 cu.m. 3

Welding Machine 300A 9

Concrete Mixer 1-Bagger 3

Concrete Vibrator 5hp 3

Butt Fusion Machine Up to 2" diameter 3

Service Vehicle 4x4 Pick-up 1

Geo-resistivity Equipment (Multi-electrode) Up to 100m depth 1

Survey Instrument 1 set

INITIAL EQUIPMENT REQUIREMENT UPON MOBILIZATION:

Equipment Capacity No. of Units

Crawler Type Drilling Rig (Rotary or Hydraulic Driven) 100m 3

Dump Truck 10 cu.m. 3

Dump Truck 4 cu.m. 3

Service Vehicle 4x4 Pick-up 1

Geo-resistivity Equipment (Multi-electrode) Up to 100m depth 1

Survey Instrument 1 set

The proof of ownership of equipment requirements are copies of current LTO Official Receipt (OR) and Certificate of Registration (CR) of the equipment which should be attached together with the affidavit of ownership. In case of Leased Equipment, a Lease Contract and affidavit of Commitment or Certificate of Availability of Equipment should be submitted with the lessor/owner as the pledger of the equipment, stating therein that the equipment will be available for the whole duration of the project. For Purchase Agreement, the description of the equipment to be purchased such as Brand/Model, Type of Equipment, Motor No., Body No. and the Capacity must be indicated in the document, otherwise, the BAC will not honor the Purchase Agreement and the bidder will be declared as non-complying. Likewise, List of contractor's major equipment units pledged to be used for the project must be supported by proof of ownership if it is owned, lease agreement if it is being leased and purchase agreement if to be purchased. A CERTIFICATION OF AVAILABILITY OF EQUIPMENT for the duration of the project must also be provided by the equipment owner and/or lessor/vendor.

The bidder should also specify in the submitted bid the location of the equipment where it can be inspected. If any piece of equipment is not in the specified location, then the bidder shall be POST-DISQUALIFIED.

ITEM NO. DESCRIPTION QTY UNIT

PACKAGE 1: DIPOLO RIS - Php 28,215,173.24

A CONSTRUCTION OF TWO (2) UNIT 15HP SOLAR PV SUBMERSIBLE PUMPING SYSTEM @ 80M DEPTH

Mobilization and Demobilization, Temporary Facilities and Construction of Safety and Health Program

Mobilization and Demobilization 1.00 LS

Temporary Facilities

Construction of Worker Shed/Bodega (5 x 4 meters) 1.00 LS

Construction of Project Billboard 2.00 units

B CONSTRUCTION SAFETY AND HEALTH PROGRAM 1.00 LS**C WELL DRILLING 160.00 ln. m****D WELL CASING AND WELL DEVELOPMENT**

Well Development 2.00 unit

Gravel Pack/Gravel Filter 2.60 cu.m.

Supply and Delivery of 8" Ø uPVC Pipe x 6M 160.00 ln. m

Installation of 8" Ø uPVC Pipe x 6M 160.00 ln. m

E PUMPING TEST (Specification of pump to be procured is based on the result of pumping test)

Pump Test (Using 15hp Pump) 2.00 lot

F SUPPLY, DELIVERY AND INSTALLATION OF SUBMERSIBLE PUMP, PIPING & ACCESSORIES

Supply and Delivery

Submersible Pump (15HP) 2.00 set

Flow Meter 2.00 assy

4" Hydraulic Control Valve 2.00 assy

Pipes and Fittings 2.00 lot

Installation

Installation of Submersible Pump (15HP), Flow Meter, Hydraulic Control Valve, and Pipes and Fittings 2.00 lot

G SOLAR PANEL

Supply and Delivery

PV Modules (Solar Panel 600watts) 64.00 pc

MC4 Connector 120.00 pair

DC Cable from PV String (1x4mm²) 376.00 mAC Cable (8.0 mm²) 376.00 m

2" Ø RSC Conduit 376.00 m

Grounding 2.00 lot

Installation

Installation of PV Modules, Conduits, Cables and Accessories 2.00 lot

H INVERTER & CONTROL PANEL

Inverter and Control Panel

Supply & Delivery 2.00 lot

Installation 2.00 lot

I MOUNTING STRUCTURES

Mounting Structure

Supply ,Delivery and Fabrication 2.00 lot

Installation 2.00 lot

Structure Excavation(Manual) 8.64 cu.m

Structure Backfill (Manual) 4.86 cu.m

Class "A" Concrete 4.32 cu.m

Gravel Blanket 46.04 cu.m

Reinforcing Steel Bar

Furnishing & Stockpiling 667.92 kgs

Cut, Bend and Place 667.92 kgs

Painting Works 9.00 sq.m

J AI SATELLITE ASSISTED MONITORING SYSTEM

AI Satellite Assisted Monitoring System

Supply & Delivery 2.00 lot

Installation 2.00 lot

K FERTIGATION SYSTEM

Fertigation System & Accessories

Supply & Delivery 2.00 lot

Installation 2.00 lot

L DISTRIBUTION PIPES

HDPE ISO4427 SDR 21 2" DIA X 6M

Supply & Delivery 174.00 pc

Installation 174.00 pc

Pipes and Fittings 2.00 lot

4" Layflat Pipe(including end connectors)

Supply & Delivery 11.00 roll

Installation 11.00 roll

3" Layflat Pipe (Including end connectors)

Supply & Delivery 10.00 roll

Installation 10.00 roll

2" Layflat Pipe (Including end connectors)

Supply & Delivery 10.00 roll

Installation 10.00 roll

M CONSTRUCTION OF PERIMETER FENCE, STILLING POOL AND NIA LOGO

Structure Excavation(Manual) 27.38 cu.m

Structure Backfill (Manual) 10.28 cu.m

Class "A" Concrete 61.36 cu.m

Reinforcing Steel Bar
 Furnishing & Stockpiling 2,073.22 kg
 Cut, Bend and Place 2,073.22 kg
 Masonry Works
 4" thk. CHB (Laying & Plastering of Both Sides) 68.56 sq.m
 Cyclone Chain Wire 206.10 ln.m
 2" Ø G.I Pipe(sch. 40) 350.40 ln.m
 Painting Works 21.28 sq.m
 Water Proofing 176.00 sq.m
 Gravel Blanket 6.62 cu.m.
 Red Oxide Metal Primer 0.54 sq.m

N CONSTRUCTION OF CONTROL HOUSE

Structure Excavation(Manual) 6.44 cu.m
 Structure Backfill (Manual) 2.34 cu.m
 Class "A" Concrete 8.66 cu.m
 Reinforcing Steel Bar
 Furnishing & Stockpiling 828.50 kg
 Cut, Bend and Place 828.50 kg
 Masonry Works
 4" thk. CHB (Laying & Plastering of Both Sides) 50.96 sq.m
 Painting Works 143.38 sq.m
 Water Proofing 24.50 sq.m
 Gravel Blanket 2.14 cu.m.

PACKAGE 2: SALUG RIS – Php 14,124,344.00

A CONSTRUCTION OF TWO (2) UNIT 15HP SOLAR PV SUBMERSIBLE PUMPING SYSTEM @ 80M DEPTH

Mobilization and Demobilization, Temporary Facilities and Construction of Safety and Health Program

Mobilization and Demobilization 1.00 LS

Temporary Facilities

Construction of Worker Shed/Bodega (5 x 4 meters) 1.00 LS

Construction of Project Billboard 2.00 units

B CONSTRUCTION SAFETY AND HEALTH PROGRAM 1.00 LS

C WELL DRILLING 80.00 ln. m

D WELL CASING AND WELL DEVELOPMENT

Well Development 1.00 unit

Gravel Pack/Gravel Filter 1.30 cu.m.

Supply and Delivery of 8" Ø uPVC Pipe x 6M 80.00 ln. m

Installation of 8" Ø uPVC Pipe x 6M 80.00 ln. m

E PUMPING TEST (Specification of pump to be procured is based on the result of pumping test)

Pump Test (Using 15hp Pump) 1.00 lot

F SUPPLY, DELIVERY AND INSTALLATION OF SUBMERSIBLE PUMP, PIPING & ACCESSORIES

Supply and Delivery

Submersible Pump (15HP) 1.00 set

Flow Meter 1.00 assy

4" Hydraulic Control Valve 1.00 assy

Pipes and Fittings 1.00 lot

Installation

Installation of Submersible Pump (15HP), Flow Meter, Hydraulic Control Valve, and Pipes and Fittings 1.00 lot

G SOLAR PANEL

Supply and Delivery

PV Modules (Solar Panel 600watts) 32.00 pc

MC4 Connector 60.00 pair

DC Cable from PV String (1x4mm²) 188.00 m

AC Cable (8.0 mm²) 188.00 m

2" Ø RSC Conduit 188.00 m

Grounding 1.00 lot

Installation

Installation of PV Modules, Conduits, Cables and Accessories 1.00 lot

H INVERTER & CONTROL PANEL

Inverter and Control Panel

Supply & Delivery 1.00 lot

Installation 1.00 lot

I MOUNTING STRUCTURES

Mounting Structure

Supply ,Delivery and Fabrication 1.00 lot

Installation 1.00 lot

Structure Excavation(Manual) 4.32 cu.m

Structure Backfill (Manual) 2.43 cu.m

Class "A" Concrete 2.16 cu.m

Gravel Blanket 23.02 cu.m

Reinforcing Steel Bar

Furnishing & Stockpiling 333.96 kgs
Cut, Bend and Place 333.96 kgs
Painting Works 4.50 sq.m

J AI SATELLITE ASSISTED MONITORING SYSTEM

AI Satellite Assisted Monitoring System
Supply & Delivery 1.00 lot
Installation 1.00 lot

K FERTIGATION SYSTEM

Fertigation System & Accessories
Supply & Delivery 1.00 lot
Installation 1.00 lot

L DISTRIBUTION PIPES

HDPE ISO4427 SDR 21 2" DIA X 6M
Supply & Delivery 77.00 pc
Installation 77.00 pc
Pipes and Fittings 1.00 lot
4" Layflat Pipe(including end connectors)
Supply & Delivery 5.00 roll
Installation 5.00 roll
3" Layflat Pipe (including end connectors)
Supply & Delivery 3.00 roll
Installation 3.00 roll
2" Layflat Pipe (including end connectors)
Supply & Delivery 2.00 roll
Installation 2.00 roll

M CONSTRUCTION OF PERIMETER FENCE, STILLING POOL AND NIA LOGO

Structure Excavation(Manual) 13.69 cu.m
Structure Backfill (Manual) 5.14 cu.m
Class "A" Concrete 30.68 cu.m
Reinforcing Steel Bar
Furnishing & Stockpiling 1,036.61 kg
Cut, Bend and Place 1,036.61 kg
Masonry Works
4" thk. CHB (Laying & Plastering of Both Sides) 34.28 sq.m
Cyclone Chain Wire 103.05 ln.m
2" Ø G.I Pipe(sch. 40) 175.20 ln.m
Painting Works 10.64 sq.m
Water Proofing 88.00 sq.m
Gravel Blanket 3.31 cu.m.
Red Oxide Metal Primer 0.27 sq.m

N CONSTRUCTION OF CONTROL HOUSE

Structure Excavation(Manual) 3.22 cu.m
Structure Backfill (Manual) 1.17 cu.m
Class "A" Concrete 4.33 cu.m
Reinforcing Steel Bar
Furnishing & Stockpiling 414.25 kg
Cut, Bend and Place 414.25 kg
Masonry Works
4" thk. CHB (Laying & Plastering of Both Sides) 25.48 sq.m
Painting Works 71.69 sq.m
Water Proofing 12.25 sq.m
Gravel Blanket 1.07 cu.m.

PACKAGE 3: LABANGAN RIS – Php 14,075,712.81

A CONSTRUCTION OF TWO (2) UNIT 15HP SOLAR PV SUBMERSIBLE PUMPING SYSTEM @ 80M DEPTH

Mobilization and Demobilization, Temporary Facilities and Construction of Safety and Health Program
Mobilization and Demobilization 1.00 LS
Temporary Facilities
Construction of Worker Shed/Bodega (5 x 4 meters) 1.00 LS
Construction of Project Billboard 2.00 units

B CONSTRUCTION SAFETY AND HEALTH PROGRAM 1.00 LS

C WELL DRILLING 80.00 ln. m

D WELL CASING AND WELL DEVELOPMENT

Well Development 1.00 unit
Gravel Pack/Gravel Filter 1.30 cu.m.
Supply and Delivery of 8" Ø uPVC Pipe x 6M 80.00 ln. m
Installation of 8" Ø uPVC Pipe x 6M 80.00 ln. m

E PUMPING TEST (Specification of pump to be procured is based on the result of pumping test)

Pump Test (Using 15hp Pump) 1.00 lot

F SUPPLY, DELIVERY AND INSTALLATION OF SUBMERSIBLE PUMP, PIPING & ACCESSORIES

Supply and Delivery

Submersible Pump (15HP) 1.00 set

Flow Meter 1.00 assy

4" Hydraulic Control Valve 1.00 assy

Pipes and Fittings 1.00 lot

Installation

Installation of Submersible Pump (15HP), Flow Meter, Hydraulic Control Valve, and Pipes and Fittings 1.00 lot

G SOLAR PANEL

Supply and Delivery

PV Modules (Solar Panel 600watts) 32.00 pc

MC4 Connector 60.00 pair

DC Cable from PV String (1x4mm²) 188.00 mAC Cable (8.0 mm²) 188.00 m

2" Ø RSC Conduit 188.00 m

Grounding 1.00 lot

Installation

Installation of PV Modules, Conduits, Cables and Accessories 1.00 lot

H INVERTER & CONTROL PANEL

Inverter and Control Panel

Supply & Delivery 1.00 lot

Installation 1.00 lot

I MOUNTING STRUCTURES

Mounting Structure

Supply ,Delivery and Fabrication 1.00 lot

Installation 1.00 lot

Structure Excavation(Manual) 4.32 cu.m

Structure Backfill (Manual) 2.43 cu.m

Class "A" Concrete 2.16 cu.m

Gravel Blanket 23.02 cu.m

Reinforcing Steel Bar

Furnishing & Stockpiling 333.96 kgs

Cut, Bend and Place 333.96 kgs

Painting Works 4.50 sq.m

J AI SATELLITE ASSISTED MONITORING SYSTEM

AI Satellite Assisted Monitoring System

Supply & Delivery 1.00 lot

Installation 1.00 lot

K FERTIGATION SYSTEM

Fertigation System & Accessories

Supply & Delivery 1.00 lot

Installation 1.00 lot

L DISTRIBUTION PIPES

HDPE ISO4427 SDR 21 2" DIA X 6M

Supply & Delivery 77.00 pc

Installation 77.00 pc

Pipes and Fittings 1.00 lot

4" Layflat Pipe(Including end connectors)

Supply & Delivery 5.00 roll

Installation 5.00 roll

3" Layflat Pipe (Including end connectors)

Supply & Delivery 3.00 roll

Installation 3.00 roll

2" Layflat Pipe (Including end connectors)

Supply & Delivery 2.00 roll

Installation 2.00 roll

M CONSTRUCTION OF PERIMETER FENCE,STILLING POOL AND NIA LOGO

Structure Excavation(Manual) 13.69 cu.m

Structure Backfill (Manual) 5.14 cu.m

Class "A" Concrete 30.68 cu.m

Reinforcing Steel Bar

Furnishing & Stockpiling 1,036.61 kg

Cut, Bend and Place 1,036.61 kg

Masonry Works

4" thk. CHB (Laying & Plastering of Both Sides) 34.28 sq.m

Cyclone Chain Wire 103.05 ln.m

2" Ø G.I Pipe(sch. 40) 175.20 ln.m

Painting Works 10.64 sq.m

Water Proofing 88.00 sq.m

Gravel Blanket 3.31 cu.m.

Red Oxide Metal Primer 0.27 sq.m

N CONSTRUCTION OF CONTROL HOUSE

Structure Excavation(Manual) 3.22 cu.m

Structure Backfill (Manual) 1.17 cu.m
Class "A" Concrete 4.33 cu.m
Reinforcing Steel Bar
Furnishing & Stockpiling 414.25 kg
Cut, Bend and Place 414.25 kg
Masonry Works
4" thk. CHB (Laying & Plastering of Both Sides) 25.48 sq.m
Painting Works 71.69 sq.m
Water Proofing 12.25 sq.m
Gravel Blanket 1.07 cu.m.

PACKAGE 4 - CAMPO IV PIP: PHP 14,101,468.25

A CONSTRUCTION OF TWO (2) UNIT 15HP SOLAR PV SUBMERSIBLE PUMPING SYSTEM @ 80M DEPTH

Mobilization and Demobilization, Temporary Facilities and Construction of Safety and Health Program

Mobilization and Demobilization 1.00 LS

Temporary Facilities

Construction of Worker Shed/Bodega (5 x 4 meters) 1.00 LS

Construction of Project Billboard 2.00 units

B CONSTRUCTION SAFETY AND HEALTH PROGRAM 1.00 LS

C WELL DRILLING 80.00 ln. m

D WELL CASING AND WELL DEVELOPMENT

Well Development 1.00 unit

Gravel Pack/Gravel Filter 1.30 cu.m.

Supply and Delivery of 8" ø uPVC Pipe x 6M 80.00 ln. m

Installation of 8" ø uPVC Pipe x 6M 80.00 ln. m

E PUMPING TEST (Specification of pump to be procured is based on the result of pumping test)

Pump Test (Using 15hp Pump) 1.00 lot

F SUPPLY, DELIVERY AND INSTALLATION OF SUBMERSIBLE PUMP, PIPING & ACCESSORIES

Supply and Delivery

Submersible Pump (15HP) 1.00 set

Flow Meter 1.00 assy

4" Hydraulic Control Valve 1.00 assy

Pipes and Fittings 1.00 lot

Installation

Installation of Submersible Pump (15HP), Flow Meter, Hydraulic Control Valve, and Pipes and Fittings 1.00 lot

G SOLAR PANEL

Supply and Delivery

PV Modules (Solar Panel 600watts) 32.00 pc

MC4 Connector 60.00 pair

DC Cable from PV String (1x4mm²) 188.00 m

AC Cable (8.0 mm²) 188.00 m

2" ø RSC Conduit 188.00 m

Grounding 1.00 lot

Installation

Installation of PV Modules, Conduits, Cables and Accessories 1.00 lot

H INVERTER & CONTROL PANEL

Inverter and Control Panel

Supply & Delivery 1.00 lot

Installation 1.00 lot

I MOUNTING STRUCTURES

Mounting Structure

Supply ,Delivery and Fabrication 1.00 lot

Installation 1.00 lot

Structure Excavation(Manual) 4.32 cu.m

Structure Backfill (Manual) 2.43 cu.m

Class "A" Concrete 2.16 cu.m

Gravel Blanket 23.02 cu.m

Reinforcing Steel Bar

Furnishing & Stockpiling 333.96 kgs

Cut, Bend and Place 333.96 kgs

Painting Works 4.50 sq.m

J AI SATELLITE ASSISTED MONITORING SYSTEM

AI Satellite Assisted Monitoring System

Supply & Delivery 1.00 lot

Installation 1.00 lot

K FERTIGATION SYSTEM

Fertigation System & Accessories

Supply & Delivery 1.00 lot

Installation 1.00 lot

L DISTRIBUTION PIPES

HDPE ISO4427 SDR 21 2" DIA X 6M

Supply & Delivery 77.00 pc

Installation 77.00 pc

Pipes and Fittings 1.00 lot

4" Layflat Pipe(Including end connectors)

Supply & Delivery 5.00 roll

Installation 5.00 roll

3" Layflat Pipe (Including end connectors)

Supply & Delivery 3.00 roll

Installation 3.00 roll

2" Layflat Pipe (Including end connectors)

Supply & Delivery 2.00 roll

Installation 2.00 roll

M CONSTRUCTION OF PERIMETER FENCE, STILLING POOL AND NIA LOGO

Structure Excavation(Manual) 13.69 cu.m

Structure Backfill (Manual) 5.14 cu.m

Class "A" Concrete 30.68 cu.m

Reinforcing Steel Bar

Furnishing & Stockpiling 1,036.61 kg

Cut, Bend and Place 1,036.61 kg

Masonry Works

4" thk. CHB (Laying & Plastering of Both Sides) 34.28 sq.m

Cyclone Chain Wire 103.05 ln.m

2" Ø G.I Pipe(sch. 40) 175.20 ln.m

Painting Works 10.64 sq.m

Water Proofing 88.00 sq.m

Gravel Blanket 3.31 cu.m.

Red Oxide Metal Primer 0.27 sq.m

N CONSTRUCTION OF CONTROL HOUSE

Structure Excavation(Manual) 3.22 cu.m

Structure Backfill (Manual) 1.17 cu.m

Class "A" Concrete 4.33 cu.m

Reinforcing Steel Bar

Furnishing & Stockpiling 414.25 kg

Cut, Bend and Place 414.25 kg

Masonry Works

4" thk. CHB (Laying & Plastering of Both Sides) 25.48 sq.m

Painting Works 71.69 sq.m

Water Proofing 12.25 sq.m

Gravel Blanket 1.07 cu.m.

PACKAGE 5 - STA. CRUZ BONIAO CIS: PHP 14,210,411.77**A CONSTRUCTION OF TWO (2) UNIT 15HP SOLAR PV SUBMERSIBLE PUMPING SYSTEM @ 80M DEPTH**

Mobilization and Demobilization, Temporary Facilities and Construction of Safety and Health Program

Mobilization and Demobilization 1.00 LS

Temporary Facilities

Construction of Worker Shed/Bodega (5 x 4 meters) 1.00 LS

Construction of Project Billboard 2.00 units

B CONSTRUCTION SAFETY AND HEALTH PROGRAM 1.00 LS**C WELL DRILLING 80.00 ln. m****D WELL CASING AND WELL DEVELOPMENT**

Well Development 1.00 unit

Gravel Pack/Gravel Filter 1.30 cu.m.

Supply and Delivery of 8" Ø uPVC Pipe x 6M 80.00 ln. m

Installation of 8" Ø uPVC Pipe x 6M 80.00 ln. m

E PUMPING TEST (Specification of pump to be procured is based on the result of pumping test)

Pump Test (Using 15hp Pump) 1.00 lot

F SUPPLY, DELIVERY AND INSTALLATION OF SUBMERSIBLE PUMP, PIPING & ACCESSORIES

Supply and Delivery

Submersible Pump (15HP) 1.00 set

Flow Meter 1.00 assy

4" Hydraulic Control Valve 1.00 assy

Pipes and Fittings 1.00 lot

Installation

Installation of Submersible Pump (15HP), Flow Meter, Hydraulic Control Valve, and Pipes and Fittings 1.00 lot

G SOLAR PANEL

Supply and Delivery

PV Modules (Solar Panel 600watts) 32.00 pc

MC4 Connector 60.00 pair

DC Cable from PV String (1x4mm²) 188.00 m

AC Cable (8.0 mm²) 188.00 m

2" Ø RSC Conduit 188.00 m
 Grounding 1.00 lot
 Installation
 Installation of PV Modules, Conduits, Cables and Accessories 1.00 lot

H INVERTER & CONTROL PANEL

Inverter and Control Panel
 Supply & Delivery 1.00 lot
 Installation 1.00 lot

I MOUNTING STRUCTURES

Mounting Structure
 Supply ,Delivery and Fabrication 1.00 lot
 Installation 1.00 lot
 Structure Excavation(Manual) 4.32 cu.m
 Structure Backfill (Manual) 2.43 cu.m
 Class "A" Concrete 2.16 cu.m
 Gravel Blanket 23.02 cu.m
 Reinforcing Steel Bar
 Furnishing & Stockpiling 333.96 kgs
 Cut, Bend and Place 333.96 kgs
 Painting Works 4.50 sq.m

J AI SATELLITE ASSISTED MONITORING SYSTEM

AI Satellite Assisted Monitoring System
 Supply & Delivery 1.00 lot
 Installation 1.00 lot

K FERTIGATION SYSTEM

Fertigation System & Accessories
 Supply & Delivery 1.00 lot
 Installation 1.00 lot

L DISTRIBUTION PIPES

HDPE ISO4427 SDR 21 2" DIA X 6M
 Supply & Delivery 77.00 pc
 Installation 77.00 pc
 Pipes and Fittings 1.00 lot
 4" Layflat Pipe(including end connectors)
 Supply & Delivery 5.00 roll
 Installation 5.00 roll
 3" Layflat Pipe (including end connectors)
 Supply & Delivery 3.00 roll
 Installation 3.00 roll
 2" Layflat Pipe (including end connectors)
 Supply & Delivery 2.00 roll
 Installation 2.00 roll

M CONSTRUCTION OF PERIMETER FENCE,STILLING POOL AND NIA LOGO

Structure Excavation(Manual) 13.69 cu.m
 Structure Backfill (Manual) 5.14 cu.m
 Class "A" Concrete 30.68 cu.m
 Reinforcing Steel Bar
 Furnishing & Stockpiling 1,036.61 kg
 Cut, Bend and Place 1,036.61 kg
 Masonry Works
 4" thk. CHB (Laying & Plastering of Both Sides) 34.28 sq.m
 Cyclone Chain Wire 103.05 ln.m
 2" Ø G.I Pipe(sch. 40) 175.20 ln.m
 Painting Works 10.64 sq.m
 Water Proofing 88.00 sq.m
 Gravel Blanket 3.31 cu.m.
 Red Oxide Metal Primer 0.27 sq.m

N CONSTRUCTION OF CONTROL HOUSE

Structure Excavation(Manual) 3.22 cu.m
 Structure Backfill (Manual) 1.17 cu.m
 Class "A" Concrete 4.33 cu.m
 Reinforcing Steel Bar
 Furnishing & Stockpiling 414.25 kg
 Cut, Bend and Place 414.25 kg
 Masonry Works
 4" thk. CHB (Laying & Plastering of Both Sides) 25.48 sq.m
 Painting Works 71.69 sq.m
 Water Proofing 12.25 sq.m
 Gravel Blanket 1.07 cu.m.

PACKAGE 6 - DAGOHYO CIS: PHP 14,205,997.44

A CONSTRUCTION OF TWO (2) UNIT 15HP SOLAR PV SUBMERSIBLE PUMPING SYSTEM @ 80M DEPTH
 Mobilization and Demobilization, Temporary Facilities and Construction of Safety and Health Program

Mobilization and Demobilization 1.00 LS
Temporary Facilities
Construction of Worker Shed/Bodega (5 x 4 meters) 1.00 LS
Construction of Project Billboard 2.00 units

B CONSTRUCTION SAFETY AND HEALTH PROGRAM 1.00 LS

C WELL DRILLING 80.00 ln. m

D WELL CASING AND WELL DEVELOPMENT
Well Development 1.00 unit
Gravel Pack/Gravel Filter 1.30 cu.m.
Supply and Delivery of 8" Ø uPVC Pipe x 6M 80.00 ln. m
Installation of 8" Ø uPVC Pipe x 6M 80.00 ln. m

E PUMPING TEST (Specification of pump to be procured is based on the result of pumping test)
Pump Test (Using 15hp Pump) 1.00 lot

F SUPPLY, DELIVERY AND INSTALLATION OF SUBMERSIBLE PUMP, PIPING & ACCESSORIES
Supply and Delivery
Submersible Pump (15HP) 1.00 set
Flow Meter 1.00 assy
4" Hydraulic Control Valve 1.00 assy
Pipes and Fittings 1.00 lot
Installation
Installation of Submersible Pump (15HP), Flow Meter, Hydraulic Control Valve, and Pipes and Fittings 1.00 lot

G SOLAR PANEL
Supply and Delivery
PV Modules (Solar Panel 600watts) 32.00 pc
MC4 Connector 60.00 pair
DC Cable from PV String (1x4mm²) 188.00 m
AC Cable (8.0 mm²) 188.00 m
2" Ø RSC Conduit 188.00 m
Grounding 1.00 lot
Installation
Installation of PV Modules, Conduits, Cables and Accessories 1.00 lot

H INVERTER & CONTROL PANEL
Inverter and Control Panel
Supply & Delivery 1.00 lot
Installation 1.00 lot

I MOUNTING STRUCTURES
Mounting Structure
Supply ,Delivery and Fabrication 1.00 lot
Installation 1.00 lot
Structure Excavation(Manual) 4.32 cu.m
Structure Backfill (Manual) 2.43 cu.m
Class "A" Concrete 2.16 cu.m
Gravel Blanket 23.02 cu.m
Reinforcing Steel Bar
Furnishing & Stockpiling 333.96 kgs
Cut, Bend and Place 333.96 kgs
Painting Works 4.50 sq.m

J AI SATELLITE ASSISTED MONITORING SYSTEM
AI Satellite Assisted Monitoring System
Supply & Delivery 1.00 lot
Installation 1.00 lot

K FERTIGATION SYSTEM
Fertigation System & Accessories
Supply & Delivery 1.00 lot
Installation 1.00 lot

L DISTRIBUTION PIPES
HDPE ISO4427 SDR 21 2" DIA X 6M
Supply & Delivery 83.00 pc
Installation 83.00 pc
Pipes and Fittings 1.00 lot
4" Layflat Pipe(Including end connectors)
Supply & Delivery 5.00 roll
Installation 5.00 roll
3" Layflat Pipe (including end connectors)
Supply & Delivery 3.00 roll
Installation 3.00 roll
2" Layflat Pipe (Including end connectors)
Supply & Delivery 2.00 roll
Installation 2.00 roll

M CONSTRUCTION OF PERIMETER FENCE, STILLING POOL AND NIA LOGO

Structure Excavation(Manual) 13.69 cu.m
 Structure Backfill (Manual) 5.14 cu.m
 Class "A" Concrete 30.68 cu.m
 Reinforcing Steel Bar
 Furnishing & Stockpiling 1,036.61 kg
 Cut, Bend and Place 1,036.61 kg
 Masonry Works
 4" thk. CHB (Laying & Plastering of Both Sides) 34.28 sq.m
 Cyclone Chain Wire 103.05 ln.m
 2" Ø G.I Pipe(sch. 40) 175.20 ln.m
 Painting Works 10.64 sq.m
 Water Proofing 88.00 sq.m
 Gravel Blanket 3.31 cu.m.
 Red Oxide Metal Primer 0.27 sq.m

N CONSTRUCTION OF CONTROL HOUSE

Structure Excavation(Manual) 3.22 cu.m
 Structure Backfill (Manual) 1.17 cu.m
 Class "A" Concrete 4.33 cu.m
 Reinforcing Steel Bar
 Furnishing & Stockpiling 414.25 kg
 Cut, Bend and Place 414.25 kg
 Masonry Works
 4" thk. CHB (Laying & Plastering of Both Sides) 25.48 sq.m
 Painting Works 71.69 sq.m
 Water Proofing 12.25 sq.m
 Gravel Blanket 1.07 cu.m.

PACKAGE 7 - SAN MIGUEL PIP: PHP 14,183,248.07**A CONSTRUCTION OF FOURTEEN (14) UNIT 15HP SOLAR PV SUBMERSIBLE PUMPING SYSTEM @ 80M DEPTH**

Mobilization and Demobilization, Temporary Facilities and Construction of Safety and Health Program

Mobilization and Demobilization 1.00 LS

Temporary Facilities

Construction of Worker Shed/Bodega (5 x 4 meters) 1.00 LS

Construction of Project Billboard 2.00 units

B CONSTRUCTION SAFETY AND HEALTH PROGRAM 1.00 LS**C WELL DRILLING 80.00 ln. m****D WELL CASING AND WELL DEVELOPMENT**

Well Development 1.00 unit
 Gravel Pack/Gravel Filter 1.30 cu.m.
 Supply and Delivery of 8" Ø uPVC Pipe x 6M 80.00 ln. m
 Installation of 8" Ø uPVC Pipe x 6M 80.00 ln. m

E PUMPING TEST (Specification of pump to be procured is based on the result of pumping test)

Pump Test (Using 15hp Pump) 1.00 lot

F SUPPLY, DELIVERY AND INSTALLATION OF SUBMERSIBLE PUMP, PIPING & ACCESSORIES

Supply and Delivery
 Submersible Pump (15HP) 1.00 set
 Flow Meter 1.00 assy
 4" Hydraulic Control Valve 1.00 assy
 Pipes and Fittings 1.00 lot
 Installation
 Installation of Submersible Pump (15HP), Flow Meter, Hydraulic Control Valve, and Pipes and Fittings 1.00 lot

G SOLAR PANEL

Supply and Delivery
 PV Modules (Solar Panel 600watts) 32.00 pc
 MC4 Connector 60.00 pair
 DC Cable from PV String (1x4mm²) 188.00 m
 AC Cable (8.0 mm²) 188.00 m
 2" Ø RSC Conduit 188.00 m
 Grounding 1.00 lot
 Installation
 Installation of PV Modules, Conduits, Cables and Accessories 1.00 lot

H INVERTER & CONTROL PANEL

Inverter and Control Panel
 Supply & Delivery 1.00 lot
 Installation 1.00 lot

I MOUNTING STRUCTURES

Mounting Structure
 Supply ,Delivery and Fabrication 1.00 lot
 Installation 1.00 lot

Structure Excavation(Manual) 4.32 cu.m
 Structure Backfill (Manual) 2.43 cu.m
 Class "A" Concrete 2.16 cu.m
 Gravel Blanket 23.02 cu.m
 Reinforcing Steel Bar
 Furnishing & Stockpiling 333.96 kgs
 Cut, Bend and Place 333.96 kgs
 Painting Works 4.50 sq.m

J AI SATELLITE ASSISTED MONITORING SYSTEM

AI Satellite Assisted Monitoring System
 Supply & Delivery 1.00 lot
 Installation 1.00 lot

K FERTIGATION SYSTEM

Fertigation System & Accessories
 Supply & Delivery 1.00 lot
 Installation 1.00 lot

L DISTRIBUTION PIPES

HDPE ISO4427 SDR 21 2" DIA X 6M
 Supply & Delivery 77.00 pc
 Installation 77.00 pc
 Pipes and Fittings 1.00 lot
 4" Layflat Pipe(including end connectors)
 Supply & Delivery 5.00 roll
 Installation 5.00 roll
 3" Layflat Pipe (including end connectors)
 Supply & Delivery 3.00 roll
 Installation 3.00 roll
 2" Layflat Pipe (including end connectors)
 Supply & Delivery 2.00 roll
 Installation 2.00 roll

M CONSTRUCTION OF PERIMETER FENCE, STILLING POOL AND NIA LOGO

Structure Excavation(Manual) 13.69 cu.m
 Structure Backfill (Manual) 5.14 cu.m
 Class "A" Concrete 30.68 cu.m
 Reinforcing Steel Bar
 Furnishing & Stockpiling 1,036.61 kg
 Cut, Bend and Place 1,036.61 kg
 Masonry Works
 4" thk. CHB (Laying & Plastering of Both Sides) 34.28 sq.m
 Cyclone Chain Wire 103.05 ln.m
 2" Ø G.I Pipe(sch. 40) 175.20 ln.m
 Painting Works 10.64 sq.m
 Water Proofing 88.00 sq.m
 Gravel Blanket 3.31 cu.m.
 Red Oxide Metal Primer 0.27 sq.m

N CONSTRUCTION OF CONTROL HOUSE

Structure Excavation(Manual) 3.22 cu.m
 Structure Backfill (Manual) 1.17 cu.m
 Class "A" Concrete 4.33 cu.m
 Reinforcing Steel Bar
 Furnishing & Stockpiling 414.25 kg
 Cut, Bend and Place 414.25 kg
 Masonry Works
 4" thk. CHB (Laying & Plastering of Both Sides) 25.48 sq.m
 Painting Works 71.69 sq.m
 Water Proofing 12.25 sq.m
 Gravel Blanket 1.07 cu.m.

PACKAGE 8 - BAG-ONG BAROY SPIP: PHP 14,213,268.46

A CONSTRUCTION OF TWO (2) UNIT 15HP SOLAR PV SUBMERSIBLE PUMPING SYSTEM @ 80M DEPTH

Mobilization and Demobilization, Temporary Facilities and Construction of Safety and Health Program
 Mobilization and Demobilization 1.00 LS
 Temporary Facilities
 Construction of Worker Shed/Bodega (5 x 4 meters) 1.00 LS
 Construction of Project Billboard 2.00 units

B CONSTRUCTION SAFETY AND HEALTH PROGRAM 1.00 LS

C WELL DRILLING 80.00 ln. m

D WELL CASING AND WELL DEVELOPMENT

Well Development 1.00 unit
 Gravel Pack/Gravel Filter 1.30 cu.m.
 Supply and Delivery of 8" Ø uPVC Pipe x 6M 80.00 ln. m
 Installation of 8" Ø uPVC Pipe x 6M 80.00 ln. m

E PUMPING TEST (Specification of pump to be procured is based on the result of pumping test)
Pump Test (Using 15hp Pump) 1.00 lot

F SUPPLY, DELIVERY AND INSTALLATION OF SUBMERSIBLE PUMP, PIPING & ACCESSORIES

Supply and Delivery
Submersible Pump (15HP) 1.00 set
Flow Meter 1.00 assy
4" Hydraulic Control Valve 1.00 assy
Pipes and Fittings 1.00 lot
Installation
Installation of Submersible Pump (15HP), Flow Meter, Hydraulic Control Valve, and Pipes and Fittings 1.00 lot

G SOLAR PANEL

Supply and Delivery
PV Modules (Solar Panel 600watts) 32.00 pc
MC4 Connector 60.00 pair
DC Cable from PV String (1x4mm²) 188.00 m
AC Cable (8.0 mm²) 188.00 m
2" Ø RSC Conduit 188.00 m
Grounding 1.00 lot
Installation
Installation of PV Modules, Conduits, Cables and Accessories 1.00 lot

H INVERTER & CONTROL PANEL

Inverter and Control Panel
Supply & Delivery 1.00 lot
Installation 1.00 lot

I MOUNTING STRUCTURES

Mounting Structure
Supply ,Delivery and Fabrication 1.00 lot
Installation 1.00 lot
Structure Excavation(Manual) 4.32 cu.m
Structure Backfill (Manual) 2.43 cu.m
Class "A" Concrete 2.16 cu.m
Gravel Blanket 23.02 cu.m
Reinforcing Steel Bar
Furnishing & Stockpiling 333.96 kgs
Cut, Bend and Place 333.96 kgs
Painting Works 4.50 sq.m

J AI SATELLITE ASSISTED MONITORING SYSTEM

AI Satellite Assisted Monitoring System
Supply & Delivery 1.00 lot
Installation 1.00 lot

K FERTIGATION SYSTEM

Fertigation System & Accessories
Supply & Delivery 1.00 lot
Installation 1.00 lot

L DISTRIBUTION PIPES

HDPE ISO4427 SDR 21 2" DIA X 6M
Supply & Delivery 77.00 pc
Installation 77.00 pc
Pipes and Fittings 1.00 lot
4" Layflat Pipe(including end connectors)
Supply & Delivery 5.00 roll
Installation 5.00 roll
3" Layflat Pipe (including end connectors)
Supply & Delivery 3.00 roll
Installation 3.00 roll
2" Layflat Pipe (including end connectors)
Supply & Delivery 2.00 roll
Installation 2.00 roll

M CONSTRUCTION OF PERIMETER FENCE, STILLING POOL AND NIA LOGO

Structure Excavation(Manual) 13.69 cu.m
Structure Backfill (Manual) 5.14 cu.m
Class "A" Concrete 30.68 cu.m
Reinforcing Steel Bar
Furnishing & Stockpiling 1,036.61 kg
Cut, Bend and Place 1,036.61 kg
Masonry Works
4" thk. CHB (Laying & Plastering of Both Sides) 34.28 sq.m
Cyclone Chain Wire 103.05 ln.m
2" Ø G.I Pipe(sch. 40) 175.20 ln.m
Painting Works 10.64 sq.m
Water Proofing 88.00 sq.m

Gravel Blanket 3.31 cu.m.
Red Oxide Metal Primer 0.27 sq.m

N CONSTRUCTION OF CONTROL HOUSE

Structure Excavation(Manual) 3.22 cu.m
Structure Backfill (Manual) 1.17 cu.m
Class "A" Concrete 4.33 cu.m
Reinforcing Steel Bar
Furnishing & Stockpiling 414.25 kg
Cut, Bend and Place 414.25 kg
Masonry Works
4" thk. CHB (Laying & Plastering of Both Sides) 25.48 sq.m
Painting Works 71.69 sq.m
Water Proofing 12.25 sq.m
Gravel Blanket 1.07 cu.m.

PACKAGE 9 - REBOKON CIS: PHP 14,196,105.72

A CONSTRUCTION OF TWO (2) UNIT 15HP SOLAR PV SUBMERSIBLE PUMPING SYSTEM @ 80M DEPTH

Mobilization and Demobilization, Temporary Facilities and Construction of Safety and Health Program

Mobilization and Demobilization 1.00 LS

Temporary Facilities

Construction of Worker Shed/Bodega (5 x 4 meters) 1.00 LS

Construction of Project Billboard 2.00 units

B CONSTRUCTION SAFETY AND HEALTH PROGRAM 1.00 LS

C WELL DRILLING 80.00 ln. m

D WELL CASING AND WELL DEVELOPMENT

Well Development 1.00 unit
Gravel Pack/Gravel Filter 1.30 cu.m.
Supply and Delivery of 8" Ø uPVC Pipe x 6M 80.00 ln. m
Installation of 8" Ø uPVC Pipe x 6M 80.00 ln. m

E PUMPING TEST (Specification of pump to be procured is based on the result of pumping test)

Pump Test (Using 15hp Pump) 1.00 lot

F SUPPLY, DELIVERY AND INSTALLATION OF SUBMERSIBLE PUMP, PIPING & ACCESSORIES

Supply and Delivery
Submersible Pump (15HP) 1.00 set
Flow Meter 1.00 assy
4" Hydraulic Control Valve 1.00 assy
Pipes and Fittings 1.00 lot
Installation
Installation of Submersible Pump (15HP), Flow Meter, Hydraulic Control Valve, and Pipes and Fittings 1.00 lot

G SOLAR PANEL

Supply and Delivery
PV Modules (Solar Panel 600watts) 32.00 pc
MC4 Connector 60.00 pair
DC Cable from PV String (1x4mm²) 188.00 m
AC Cable (8.0 mm²) 188.00 m
2" Ø RSC Conduit 188.00 m
Grounding 1.00 lot
Installation
Installation of PV Modules, Conduits, Cables and Accessories 1.00 lot

H INVERTER & CONTROL PANEL

Inverter and Control Panel
Supply & Delivery 1.00 lot
Installation 1.00 lot

I MOUNTING STRUCTURES

Mounting Structure
Supply ,Delivery and Fabrication 1.00 lot
Installation 1.00 lot
Structure Excavation(Manual) 4.32 cu.m
Structure Backfill (Manual) 2.43 cu.m
Class "A" Concrete 2.16 cu.m
Gravel Blanket 23.02 cu.m
Reinforcing Steel Bar
Furnishing & Stockpiling 333.96 kgs
Cut, Bend and Place 333.96 kgs
Painting Works 4.50 sq.m

J AI SATELLITE ASSISTED MONITORING SYSTEM

AI Satellite Assisted Monitoring System
Supply & Delivery 1.00 lot
Installation 1.00 lot

K FERTIGATION SYSTEM

Fertigation System & Accessories

Supply & Delivery 1.00 lot

Installation 1.00 lot

L DISTRIBUTION PIPES

HDPE ISO4427 SDR 21 2" DIA X 6M

Supply & Delivery 83.00 pc

Installation 83.00 pc

Pipes and Fittings 1.00 lot

4" Layflat Pipe(including end connectors)

Supply & Delivery 5.00 roll

Installation 5.00 roll

3" Layflat Pipe (including end connectors)

Supply & Delivery 3.00 roll

Installation 3.00 roll

2" Layflat Pipe (including end connectors)

Supply & Delivery 2.00 roll

Installation 2.00 roll

M CONSTRUCTION OF PERIMETER FENCE,STILLING POOL AND NIA LOGO

Structure Excavation(Manual) 13.69 cu.m

Structure Backfill (Manual) 5.14 cu.m

Class "A" Concrete 30.68 cu.m

Reinforcing Steel Bar

Furnishing & Stockpiling 1,036.61 kg

Cut, Bend and Place 1,036.61 kg

Masonry Works

4" thk. CHB (Laying & Plastering of Both Sides) 34.28 sq.m

Cyclone Chain Wire 103.05 ln.m

2" Ø G.I Pipe(sch. 40) 175.20 ln.m

Painting Works 10.64 sq.m

Water Proofing 88.00 sq.m

Gravel Blanket 3.31 cu.m.

Red Oxide Metal Primer 0.27 sq.m

N CONSTRUCTION OF CONTROL HOUSE

Structure Excavation(Manual) 3.22 cu.m

Structure Backfill (Manual) 1.17 cu.m

Class "A" Concrete 4.33 cu.m

Reinforcing Steel Bar

Furnishing & Stockpiling 414.25 kg

Cut, Bend and Place 414.25 kg

Masonry Works

4" thk. CHB (Laying & Plastering of Both Sides) 25.48 sq.m

Painting Works 71.69 sq.m

Water Proofing 12.25 sq.m

Gravel Blanket 1.07 cu.m.

Pre-bid Conference

Date	Time	Venue
16/01/2025	9:00:00 AM	NIA Lot 2, Block 15, Regional Center IX, Balintawak Pagadian City Zamboanga Del Sur Philippines 7017

Created by Rex L. Armentia**Date Created** 08/01/2025

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