Bid Notice Abstract

Invitation to Bid (ITB)

Reference Number	13279337
Procuring Entity	MUNICIPALITY OF TIAONG, QUEZON
Title	Installation of Solar Powered Irrigation System
Area of Delivery	Quezon

Solicitation Number:	I-2026-10-03
Trade Agreement:	Implementing Rules and Regulations
Procurement Mode:	Public Bidding
Classification:	Civil Works
Category:	Construction Projects
Approved Budget for the Contract:	PHP 2,250,000.00
Delivery Period:	60 Day/s
Client Agency:	
Contact Person:	Noreen A. Ortega Executive Assistant I Poblacion Tiaong Quezon Philippines 4325 63-063-09176252851 noreenaortega@gmail.com

Status	**Active**
Associated Components	3
Bid Supplements	0
Document Request List	0
Date Published	09/10/2026
Last Updated / Time	09/10/2026 00:00 AM
Closing Date / Time	19/10/2026 15:00 PM

Description

Installation of Solar Powered Irrigation System

A. PUMP : SUBMERSIBLE PUMP (Complete Accessories)
Materials:
3 HP; capacity of at least 4 cu.m. per hour, with the following condition sets 3.00
Total Dynamic Head: 50m (minimum)
Hydraulic Efficacy: 70 (minimum)
Pump body: 304 stainless steel
Outlet connection fitting: 304 stainless steel
Motor specification: Built into the pump.
Enclosure Class (IEC 34-5): IP55
AC Compatibility
Service Pipe: From Pump to Water Tank (HDPE pipe with fittings) lots 3.00
Well Drilling with at least 4 inches diameter casing lots 3.00

B. SOLAR POWER MODULES
Materials:
5500 WP total Solar Power Modules (minimum), MONO CRYSTALLINE SOLAR PANEL pcs 30.00
(5500WP, 10 PCs of (Atleast 550 WP per panel)
Module shall comply with IEC
Module shall have aluminum frames (no frameless modules shall be allowed)
Modules shall use full cells (no half cells shall be allowed)
Modules shall be covered by a 10 year warranty and 25 years power output warranty.
Modules shall have 72 cells, and shall have name-plate power output of not less than 550Wp.

Manufacturer and modules shall comply and be certified with the following standards:
a. IEC61215/IEC61730/UL1703/IEC61701/IEC62716
b. ISO 9001: Quality Management System
c. ISO 14001: Environmental Management System

C. Solar Module Mounting Structure
Materials:
Cement bags 30.00
Sand cu.m 2.00
Gravel cu.m 1.00
RSB kgs 90.00
G.I Tie wire #16 kgs 15.00
3 inch, 20ft G.I Pipe Schedule 40 pcs 24.00
27mm Aluminum railings, 6 meters long pcs 15.00
Bolts, Nuts, and Washer lot 1.00
4 x 8 ft @12mm thick Base plate pcs 3.00
Welding Rod kgs 61.00
Rust Proofing works lot 1.00
1. Rust Converter
2. Red Oxide
3. Epoxy Primer

D. INVERTER, complete with accessories at the following condition
Materials:
Power Size: 4 HP (minimum) sets 3.00
Min. Input Voltage - Max. Input Voltage: 300V-600V
Min Output Voltage: 220V
AC Compatibilitiy
Overvoltage and undervoltage protection
Overload and overcurrent protection
Enclosure class: IP 66

E. Overhead Tank with 2 meter high platform
Cement bags 27.00
Sand cu.m 3.00
Gravel cu.m 6.00
RSB kgs 90.00
3"x3"x1/4" Angle Bars kgs 75.00
2"x2"x1/4" Angle Bars kgs 90.00
1.5"x1.5"x1/4" Angle Bars kgs 78.00
2"x1/4" Flat Bars kgs 60.00
Dark Color Polyethylene Tank (2000 Liters Water Tank) pcs 3.00
HDPE Pipe DR 11, 6 meters per roll roll 15.00
Welding Rod kgs 61.00
Miscellaneous (i.e. Valves, Fittings) lots 3.00

Labor:
Foreman 1 55 days
Skilled Worker 7 55 days
Laborer 7 55 days

Equipment:
Minor Tools lot 1.00

Project Signboard

Materials:
Tarpaulin pcs 1.00
Ordinary Plywood 4' x 8' x 1/2" pcs 2.00
Cocolumber 2" x 3" x 12' pcs 5.00
Assorted Common Nail kgs 1.00

Labor:
Carpenter 1 0.5 day
Laborer 1 0.5 day

Line Items

Item No.	Product/Service Name	Description	Quantity	UOM	Budget (PHP)
1	Installation of Solar Powered Irrigation System	Solar Powered Irrigation System	3	Unit	2,250,000.00

Other Information
NOTE:

1. In case of discrepancy between the posted ITB and the Purchase Request (uploaded in associated components),

the Purchase Request (PR) will prevail.

2. Interested bidders are advised to purchase the bidding documents no later than one (1) day before the scheduled opening of bids.

REMINDER:
In case interested bidders are unable to access the Associated Components (containing checklist, PR, POW, project plan & sample pictures), please notify the Secretariat immediately. Upon notification, the Secretariat will provide you with a hard copy of the documents upon purchase of the bid documents.

PREPARATION OF DOCUMENTS
1. Bidders are required to submit two (2) copies (Original & Duplicate) of each set (Class "A" & Class "B") of documents in separate envelopes: Class "A" documents, containing the legal, technical & financial documents; and Class "B" documents containing the financial proposal (including original copy of duly signed and accomplished Bid Form and bid price/bill of quantities).

2. Envelopes must be addressed to the BAC Chairman with proper label indicating the name of project, ABC & name of bidder. The envelopes must be signed and sealed properly.

3. Technical Documents must be ring bound with appropriate tabs.

4. Provide LETTER OF INTENT (2 copies) upon purchase of bidding documents; or include as the first page of the Class "A" documents.

Created by	Noreen A. Ortega
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