

# INVITATION TO TENDER



Implemented by:  
**giz** Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH

## SUPPLY AND INSTALLATION OF SOLAR PUMPS

Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) intends to tender for the Supply and Installation of Solar Pumps.

The GIZ Office Accra invites tenderers to submit, free of charge and without obligation on the part of GIZ, a tender based on the following terms and conditions. Non-conformity with all conditions mentioned could lead to the exclusion of the bid.

### A) Conditions of the bid

- Tenders should be valid for a period of **three (3) months** after the deadline of Tender submission.
- Prices shall be fixed prices. Prices shall be free of VAT and other public charges. Prices shall be quoted in Ghana Cedis.**
- All interested suppliers are required to submit **a letter, a company profile, and their quotes** according to the specifications below, to the GIZ Office Accra.

### B) Specifications

- Set 1: 3 Sites at BARS and 1 Site at DAC**

No.	Item	Specifications	Qty
1	Submersible Pump	Head max 150m Flow max 10m3/day	4
2	Controller	Inverter power 1.2Kw, Max Dc Input Volt- 200V	4
3	Circuit Breaker	PV Disconnect 440-40-3 or Approved equal	4
4	Surge Protector	OVR PV 40-1000 P, Surge	4
5	Motor Cable	Protection or approved equal	4
6	Solar Power cable	6mm2 3-phase cable for power 120 meters long	4
7	Cable Clips	Cable for Panel Wiring – 30 m	8
8	Splice Kit	Pack of Cable Clips	8
9	Sensor cable	Cable Terminating Kit	4
10	PV Generator	Sensor cable for float switch 120 meters	16
11	PV Stand	Max. solar power – 2000Wp @330W	4
12	Grounding Cable	Fabricated Metal Stand to mount PV	4
13	Well probe	1-phase cable for grounding	4
14	Float switch	Enclosure class IP 68	4
15	Supply & installation of mesh fence	Supply & installation of mesh fence	4
16	Labour & transport charge for all works	Labour & transport charge for all works	4
17	Pre installation borehole Pump test	Pre installation borehole Pump test	4

### DESCRIPTION

- Number of Sites – Four (4),
- Existing borehole and pipe layout to overhead tank of 5.000 liters
- Water Source – Borehole with depth of 100 meters
- Pump Intallation Depth – 95m
- Flow (Q)max – 10m3/day
- Total Dynamic Head – 110 meters
- Distance from borehole to overhead tank – 7 m
- Height of overhead tank structure – 3m

### Set 2: 1 Site at BARS

No.	Item	Specifications	Qty
1	solar Submersible Pump	Head max 150m Flow max 10m3/day/approved equal	1
2	Controller	Inverter power 1.2Kw, Max Dc Input Volt- 200V	1
3	Solar Suction Pump & Controller	Head max 50m flow rate max 50 l/min power rating 1Hp or 0.75Kw	1
4	Changeover switch	Rotary changeover switch	
5	Circuit Breaker	PV Disconnect 440-40-3 or Approved equal	1
6	Surge Protector	OVR PV 40-1000 P, Surge	1
7	Motor Cable	Protection or approved equal	1
8	Solar Power cable	6mm2 3-phase cable for power 120 meters long	1
9	Cable Clips	Cable for Panel Wiring – 30 m	2
10	Splice Kit	Pack of Cable Clips	2
11	Sensor cable	Cable Terminating Kit	1
12	PV Generator	Sensor cable for float switch 120 meters	4
13	PV Stand	Max. solar power – 2000Wp @330W	1
14	Grounding Cable	Fabricated Metal Stand to mount PV	1

15	Well probe	1-phase cable for grounding	1
16	Float switch	Enclosure class IP 68	1
17	Supply & installation of mesh fence	Supply & installation of mesh fence	1
18	Labour & transport charge for all works	Labour & transport charge for all works	1
19	Pre installation borehole Pump test	Pre installation borehole Pump test	1

### DESCRIPTION

- Number of Sites – One (1)
- Existing borehole and pipe layout to overhead tank of 10.000 liters.
- Pipe works to executed is to fill 5.000 liters' overhead tank from booster of 50 m distance is required.
- WATER SOURCE – Borehole with depth of 100 meters.
- PUMP INTALLATION DEPTH – 95m
- FLOW (Q)max – 10m3/day
- TOTAL DYNAMIC HEAD – 110 meters
- DISTANCE FROM BOREHOLE TO OVERHEAD TANK– 5m
- HEIGHT OF TANK STRUCTURE – 0.5m
- INSTALLATION OF 1HP SOLAR BOOSTER PUMP OF SPECIFICATION
- HEAD max 50m & Qmax – 50 l/min to boost a distance of 50m from 10.000 liters to 2 no. of 5000 liters

**Transportation: Cost of Delivery to the Barbile Agric. Stations (BARS) - Upper West Region and Damongo Agric. College (DAC) Savannah Region.**

**\*\*All items are to be delivered to Barbile Agric. Stations (BARS) - Upper West Region and Damongo Agric. College (DAC) - Savannah Region.**

### C) Bid documents

Tenderers will be required to provide the following:

- Signed letter of bid with
  - 1.1. priced quotation to the **required specification and conditions including a picture, brand, and the model (where applicable) of equipment.**
  - 1.2. indication of **delivery period**
- Company profile, max. 5 pages A4
- Commercial qualification**
  - 3.1. Valid Tax Clearance Certificate,
  - 3.2. Business Registration Certificate,
  - 3.3. VAT Registration Certificate,

Valid SSNIT Clearance Certificate

PLEASE NOTE:

THE CURRENCY OF YOUR OFFER SHOULD BE IN GHANA CEDIS

**Tenders should be sealed and marked as:**

**Tenders Number: 91183858 / 21.2199.4-400.00 "Supply of Solar Pumps"**

Tenders should be addressed according to the tender number.

The Procurement Unit  
 GIZ Office  
 Tender No.  
 P.O. Box KA 9698

Accra Office Location: **No.7 Volta Street, Airport Residential Area, Accra**

**Not later than 30<sup>th</sup> October, 2024.**

*"Please note that participating in a tendering process of GIZ is free of charge for bidders.*

*At no phase of the process is the bidder required to make any payment to GIZ or to one of its employees.*

*Should a bidder receive such a request, the bidder should report this incident to the GIZ management [giz-ghana@giz.de](mailto:giz-ghana@giz.de)*

*Should a bidder receive such a request and make any payment, the bidder will be excluded from future business with GIZ."*

**Caution: "Bidders who offer any type of payments to GIZ employees will be excluded from future business with GIZ."**

**Kindly Note by sending in your offer, you are agreeing to the GIZ General Terms and giving us the consent to process your company data.**