

INVITATION TO TENDER FOR THE SUPPLY OF BATTERIES
AND ACCESSORIES FOR SOLAR PANELS

Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) intends to tender for the Supply of Batteries and Accessories for Solar Panels.

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.

NO.	Item	Description	Image	Qty.
1.	Lithium battery 48V/100Ah	LiFePO ₄ (LFP) chemistry; nominal voltage 51.2 V ; capacity 100 Ah ; nominal energy 5.12 kWh ; integrated BMS; continuous discharge ≥100 A ; charge voltage approximately 56–58.4 V ; cycle life ≥4,000 cycles at ≥80% DoD ; operating temperature suitable for 0–45°C charging and –20–50°C discharge ; enclosure suitable for indoor installation.		40 pcs
2.	Lynx distributor	Victron Energy Lynx Distributor; 1000 A nominal current rating; 9–60 V DC operating range; 12/24/48 V systems; 4 x MEGA-fuse positions ; M8 fuse/cable connections; tinned-copper busbars, 8 x 30 mm ; enclosure approx. 290 x 170 x 80 mm ; IP22. For a 48 V system, use 58 V-rated MEGA fuses .		10 pcs
3.	1x25mm ² autoflex cable	Flexible single-core copper battery cable, 25 mm² cross-sectional area ; fine-stranded; flexible insulation; rated ≥60 V DC (preferably 0.6/1 kV); temperature rating ≥90°C ; red/black insulation as applicable; tinned copper preferred for battery applications; supplied to required installation length		150 pcs
4.	125A/58V MEGA fuses	MEGA fuse, 125 A continuous rating, 58 V DC minimum voltage rating , bolt-down type; compatible with Lynx Distributor; corrosion-resistant terminals; interrupt rating suitable for the prospective short-circuit current of the battery system. Victron specifies 58 V MEGA fuses for 48 V systems .		40 pcs
5.	25mm ² tinned copper cable lugs	Heavy-duty tinned copper compression lugs , for 25 mm² cable ; closed-end palm; hole size M8 for Lynx Distributor connections; suitable for flexible fine-stranded copper cable; corrosion-resistant; crimped using the manufacturer's specified hydraulic/mechanical crimping method.		80 pcs
6.	Heat-shrink tubing & insulation tape	Adhesive-lined dual-wall heat-shrink tubing , suitable for 25 mm ² cable/lug assemblies; 3:1 or 4:1 shrink ratio ; temperature rating ≥90°C ; flame-retardant preferred. Electrical insulation tape: PVC, flame-retardant, ≥600 V rating , minimum 0.15 mm thickness.		5 set
7.	Cable glands, clips & cable ties	UV-resistant nylon cable glands sized to actual cable OD; minimum IP65/ IP68 where entering an enclosure; stainless-steel or UV-resistant cable clips; UV-resistant nylon cable ties, preferably ≥200 mm x 4.8 mm , with suitable load rating.		5 set

8.	Mounting hardware, labels & consumables	Stainless-steel mounting screws/bolts, washers and nuts appropriate to the mounting surface; DC + / – polarity labels ; battery/fuse warning labels; heat-shrink identification markers; cable markers; insulating boots/covers; anti-corrosion/contact-protection compound where appropriate; cable-management accessories.		5 set
9.	Installation and Transport	Tamale (Tampe Kukuo)		1

How to apply
Please submit an expression of interest as indicated below, in **three separate folders as below**.

- A. Commercial Folder**
- ❖ Company profile
 - ❖ Valid Tax Clearance Certificate
 - ❖ Valid SSNIT Clearance Certificate
 - ❖ Business Registration Certificate
 - ❖ Declaration of Business Ownership by General Manager (3) (Inclusion of Form A for Sole Proprietorship or Form 3 for Limited Liability)
 - ❖ VAT Registration Certificate
- B) Technical Folder**
- ❖ Technical sheet/ offer
 - ❖ Data Sheet (if Applicable)
- C) Financial Folder**
- ❖ Financial sheet/ offer

PLEASE NOTE:
THE CURRENCY OF YOUR OFFER SHOULD BE IN GHANA CEDIS
ALL PROSPECTIVE BIDDERS ARE REQUIRED TO PERFORM THEIR TAX OBLIGATIONS IN GHANA.

NOTE: Kindly visit the link below to access the **Technical Sheet and Financial Sheet template** and other documents to be used in preparing your Technical and Financial Proposals

<https://www.giz.de/en/regions/africa/ghana/tenders>

Tender documents should be named according to the above ((A)Commercial folder, (B)Technical folder and (C)Financial folder.) in a folder and Zip folder as:

Tender Number: 10056407 / G-011454-007 "Supply of Batteries and Accessories for Solar Panels"

This tender will be accepted **ONLY** via email (gh_quotation@giz.de)

- **Tender Number must be used as the email Subject**
- **Please note that failure to comply with the above instructions, as well as submission to other e-mail addresses than the one mentioned, will lead to the disqualification of the bid.**

Bidding Conditions to all Bidders

- The deadline for submission is **16.10.2026 until 11:59 PM**.
- GIZ is not responsible for the failure of electronic delivery of e-mail messages to the address provided, whether due to technological problems on the part of GIZ or the applicant.
- This invitation to tender does not bind GIZ in any way. The contractual obligation of GIZ only begins with the signing of the contract with the successful bidder. Until the contract is signed, GIZ may either abandon or cancel the award procedure, without the candidates or bidders being entitled to claim any compensation.
- All costs associated with the preparation and submission of bidders are to be borne by the bidders and cannot be reimbursed.
- Financial bids should be valid for a period of **three months from the date of submission**.
- Please consider your bid unsuccessful if you do not hear from us after four weeks from the deadline of submission.

"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.

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.

ONLY SHORTLISTED FIRMS WILL BE CONTACTED