

RFP No. EMBMCK001**Technical Offer****Supply & Installation of 247 Solar Street Lighting Units in 20 Districts of Katermaya**

The eventual documentation supplied should clearly indicate (highlight, mark) the models offered and the options included, if any, so that the evaluators can see the exact configuration. Offers that do not permit to identify precisely the models and the specifications may be rejected by the Evaluation Committee. The offer must be clear enough to allow the evaluators to make an easy comparison between the requested specifications and the offered specifications.

Desired technical specifications:**1. System Type**

Standalone, off-grid solar LED street light with automatic dusk-to-dawn operation.

2. LED Luminaire

- Rated power: **500 W LED**
- Luminous efficacy: **minimum 130 lm/W**
- Color temperature: **5000–6500 K**
- IP rating: **IP65 or higher**

3. Solar Panel

- Type: **Monocrystalline or equivalent**
- Rated capacity: Adequate to operate the system reliably
- Panel life: **Minimum 25 years**

4. Battery

- Type: **LiFePO₄ or deep-cycle gel**
- Backup: **Minimum 2–3 days autonomy**
- Enclosure: Weatherproof and vandal-resistant

5. Charge Controller

MPPT or equivalent with battery protection and automatic on/off operation.

6. Pole

- Height: **As specified (6–12 m)**
- Material: **Hot-dip galvanized steel**
- Wind resistance: Suitable for local conditions

7. Installation & Commissioning

Complete supply, installation, testing, and commissioning including foundations and cabling.

8. Warranty

- LED luminaire: **Minimum 5 years**
- Battery and electronics: **Minimum 3 years**

Table 1- Company profile

Field	Response
- Company name:	
- Owner / Legal representative:	
- Registered office address:	
- Contact person (name & position):	
- Phone number:	
- Email:	
- Company stamp and signature: - Company's bank details - Name, address and Current Account number	

Table 2 — Technical specifications of Solar Street Lights and associated systems

Note: Complete one row per distinct item/model offered. Where the same model applies to multiple units, indicate quantity in the “Notes” column.

Repeat rows as necessary to cover all 247 units.

Item number	Specifications required (name of the street light)	Specifications offered (make / model / part no., lumens)	Notes / Remarks / Ref. to documentation (datasheets, certificates, photos)
1	Solar street light — 500 W LED (white or warm white); # Available	complete system (panel, lamp, battery, controller.... .. All required informations)	
2	Battery		
3	Solar Panel		
4	Warranty		
5	LED Luminaire		
6	Charge Controller		
7			

- Continue the table (on extra pages if needed) until all items/variants covering the 247 units are listed.
- Samples May be required at any stage of evaluation
- The Items must be Weather resistant: Designed for Outdoor
- Pictures have to be attached.

Delivery schedule

Time of delivery: The project work must begin within 15 days of award of work and must be finished within 30 days of start of work.

Signatures and certification

I, the undersigned, certify that the information provided in this Annex A is correct and complete.
I also confirm that all supporting documents referenced in the table are attached and legible.

(Signature of the authorized signatory)

Dated _____

Name and address of the Agency/Company _____

Seal of the firm

Important:

All pages of this Annex (including any attachments, datasheets and continuation sheets) must be signed and stamped by the authorized representative of the bidding company. Unsigned pages may lead to rejection of the offer.