



ADDENDUM No. 2 – Apia Township Solar Hybrid Streetlights Project

Revision to Section VI – Technical Specifications

Ref.	Existing Specification (SBD)	Revised / Clarified Specification
1	Lighting Output: Minimum 3000 lumens; LED based; CCT ~4000–5000K.	Lighting Output: Luminaire output shall be approximately 30,000 lumens (maximum) suitable for highway and major road lighting applications. The lighting system shall be capable of achieving 8–12 lux average maintained illumination on the roadway surface .
2	Battery: Lithium-ion / LiFePO4, minimum 12.8V, >250Wh capacity.	Battery Capacity: No fixed battery capacity is prescribed. Bidders shall design and size the battery system appropriately in conjunction with the PV system to meet the required operating duration and autonomy requirements.
3	Solar Panel: ≥40W monocrystalline integrated panel.	Solar PV: The solar PV capacity shall be determined by the bidder and designed together with the battery system to ensure reliable system performance and compliance with the lighting duration and autonomy requirements.
4	Lighting Duration: Minimum 12 hours/night, 3-day autonomy.	The system shall operate approximately 12 hours per night and be capable of supporting up to three consecutive nights of operation without solar charging (approximately 36 hours total operation) while maintaining the required lighting performance.
5	Mounting Height: 7–14 meters.	Streetlights will be installed on existing EPC poles comprising approximately 250 locations : 184 steel poles – 14 m mounting height , using side-entry spigot (Ø50 mm) . 66 wooden poles – approximately 9 m mounting height , using streetlight arms (Ø60 mm) . The proposed luminaire system shall be compatible with both mounting configurations.
6	Not specified in the original specification.	Lighting Performance Requirement: The lighting design shall achieve 8–12 lux average maintained illumination on the roadway surface with minimum uniformity ratio ≥0.3 .
7	Installation: Side-mounted arm with adjustable tilt angle; anti-theft design preferred.	Streetlights shall be installed on existing EPC pole infrastructure . Existing steel pole side-entry spigots (Ø50 mm) and wooden pole streetlight arms (Ø60 mm) will be used for mounting the luminaires.



		<p>The proposed luminaire shall include a mounting interface compatible with both pole configurations and provide adjustable tilt capability to allow proper aiming and optimization of roadway illumination.</p> <p>Bidders shall propose appropriate mounting kits for additional solar hybrid components, including solar panels, battery enclosures, MPPT/controllers, and associated brackets required for installation on existing poles.</p>
8	System must operate entirely off-grid using renewable solar energy.	The solar PV and battery system shall be the primary power source for the lighting system. EPC may integrate the system with the distribution network where required to ensure continuous operation.
9	Motion sensing and smart dimming features required.	Motion sensing is not required and shall not be used for this project due to the highway and road lighting application. Bidders may propose smart dimming or programmable lighting profiles to improve energy efficiency and battery performance, provided that the system maintains the required roadway illumination performance (8–12 lux average) during the nightly operating period.
10	No reference design geometry provided.	Lighting design shall consider a typical roadway configuration consisting of approximately 16 m road width (4 lanes), poles located approximately 4 m from the road edge, and approximately 60 m pole spacing in staggered arrangement on both sides of the road.

Addendum Issuance

This **Addendum No. 2** forms part of the Bidding Document for:

Project: Apia Township Solar Hybrid Streetlights

Tender Reference: SAMEPC 02/26

Procurement: Supply and Delivery of Integrated Solar Hybrid Streetlights and Mounting Hardware



This Addendum shall be read together with the Bidding Document and shall take precedence where any inconsistency arises between this Addendum and the original Bidding Document.

All bidders shall acknowledge receipt of this Addendum using the form attached.

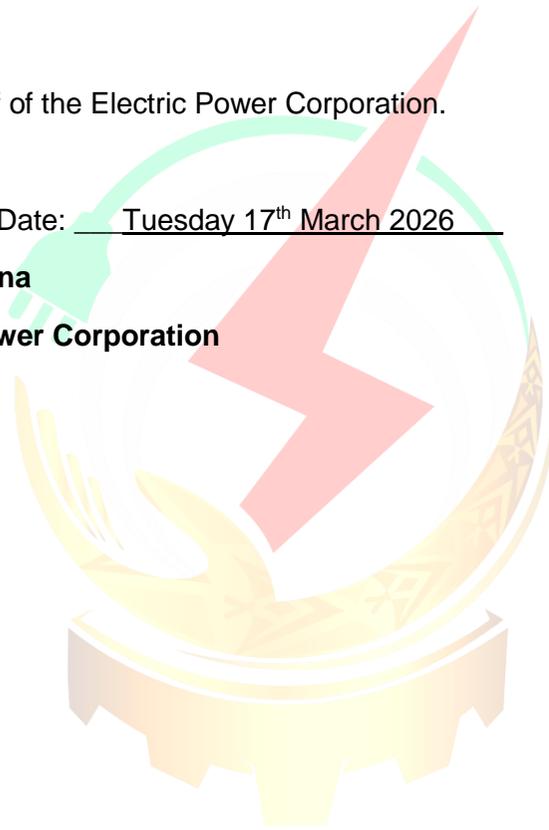
Approval

Approved for issuance on behalf of the Electric Power Corporation.

Date: Tuesday 17th March 2026

Fesolai Faumui T lese Toimoana

General Manager | Electric Power Corporation





Addendum Acknowledgement Form

Apia Township Solar Hybrid Streetlights Project

Tender Reference: SAMEPC 02/26

Procurement: Supply and Delivery of Integrated Solar Hybrid Streetlights and Mounting Hardware

Procuring Entity: Electric Power Corporation (EPC)

Bidders are required to acknowledge receipt of all Addenda issued for this tender. Failure to acknowledge receipt of the Addendum(s) may result in the bid being considered non-responsive.

Bidder Acknowledgement

We, the undersigned, hereby confirm that we have received and taken into account the following Addendum issued by the Electric Power Corporation in the preparation of our bid submission:

Addendum No.	Date Issued	Acknowledged (✓)
Addendum No. 1	6 March 2026	<input type="checkbox"/>
Addendum No. 2	17 March 2026	<input type="checkbox"/>

If additional Addenda are issued, they shall also be acknowledged in the table above.

Bidder Details: _____ Name of Bidder: _____

Authorized Representative: _____ Signature: _____ Date: _____

Company Stamp / Seal (if applicable): _____