Solar Power Lighting with Photovoltaic Panels and LED Lamps

Expected project CAPEX: 270'000 €

Mandating Authority: Bourj El Moulouk Municipality

Summary
Street Lighting with Photovoltaic Panels and 100W LED Lamps

Location and population
Bourj El Moulouk Village – Marjeyoun Caza, Lebanon

Social and environmental impact
Lower electricity bill; Improved quality of life for citizens; Improved security; Reduced GHG emissions; Eliminate the need for trench excavation for cable laying

Main stakeholders
Bourj El Moulouk Municipality
**Project maturity** (IFC / World Bank Categories)

STAGE 1: Concept Development, Site identification
- Number of Lighting points: 150
- Mapping of the street lighting system: Yes
- Current installation

**Expected energy / expenses savings**

**Source of electricity**: Solar

**STAGE 2: Pre-Feasibility Studies**
- Pre-feasibility study: Yes

**STAGE 3: Feasibility Studies**
- Feasibility study: Yes

**STAGE 4: Permitting / Financing / Contracts**
- Contract with municipality: Yes
- Building permits signed: Yes
- Environmental impact study: Yes
- Identified sources of fundings

**STAGE 5: Engineering / Construction / Commercial Operation**
- Engineering, Procurement and Construction Contractor: Tbd
- Operation and Maintenance Contractor: Tbd
- Comments

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