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PROJECT DESCRIPTION

HIPOT Solar PV Projects with a capacity of 29.678 MWe aim to exploit the solar power potential within the borders of Konya Province in the Central Anatolian Region. Projects capacities are arranged as follows; 3.347 MW in Çumra District (as 4 un-licensed PV projects), 19.981 MW in Seydişehir District (as 22 un-licensed PV projects) and 6.35 MW in Beyşehir District (as 9 un-licensed PV projects). The plant is expected to produce 54.1 GWh/year in first full year of production equivalent to cover the demand for over 23.5 thousand households. The energy produced will allow saving over 31,171 tCO₂/year.

ENVIRONMENTAL AND SOCIAL KEY ISSUES

- Potential pollution/contaminant emissions during construction/operation activities;
- Community/workers health and safety both during construction and operation phases;
- Landscape Impact Assessment;
- Land use (dry marginal agricultural land)
- Stakeholder Engagement;
- Impacts on flora and fauna especially for Seydişehir-Gökçehöyük site.

MITIGATIONS/SUCCESSFUL IMPLEMENTATION

- Supervision of the construction activities by environmental, social and health & safety;
- Implementation of workers' safety and protection action plans;
- Implementation of Landscape Impact Assessment
- Non-Agricultural utilization permit;
- Implementation of monitoring activities on dust during construction;
- Stakeholder Engagement Plan implementation to involve and inform the stakeholders and to reduce the risk of conflicts with ensuring good public relations;
- Implementation of a desk study for assessment of flora and fauna, especially for Seydişehir-Gökçehöyük site;
- Implementation of Waste Management Plan during construction and operation phases.

GENERAL INFORMATION

Project Location	Konya Province (Cumra, Seydişehir, Beyşehir Districts)
Technology	PV Solar Power Plant
Plant Capacity	28.2 MWe
Annual Energy Production	54.1 GWh/year
Annual CO₂ Reduction	31,171 tCO ₂ /year

TIME SCHEDULE

Start of Construction	June 2016
Expected Commercial Operation	July 2017

FINANCIAL PARAMETERS

Total Project Cost	EUR 25,958,305
MidSEFF Loan	EUR 20,765,150
Payback Time	5.5 years
Internal Rate of Return	13.3 %