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25-27 <በՒՆՎԱՐ/JANUARY, 2017

ÅF Aries Energía

Masrik-1 PV Plant- ESIA, RPF

Environmental and Social Impact Assessment

Objectives and Methodology

- Study based on World Bank Guidelines
- Analysis of legal and regulatory framework. Identification of gaps between Armenian legislation and WB safeguard policies
- Desktop and field biophysical environment study.



- Consultations with representatives of relevant governmental organizations and local communities
- General Identification of the overhead transmission line route
- Archeological investigations
- Preparation of Environmental Management Plan and Mitigation Measures.

Environmental and Social Impact Assessment: Current situation at the Site

Land status and use

- Agricultural land (pasture category)
- Community owned (no 3rd person rights)

Infrastructure

- None at the site
- Water bodies
- Masrik river (distance ~1km)



Environmental and Social Impact Assessment: Main Expected Impacts





- Negative environmental and social impacts occur mainly during the construction phase.
- No major costs expected from mitigation measures
- Masrik 1 PV plant and OTLs can be constructed and operated without significant adverse impacts





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Objectives and Methodology

Steps undertaken to assess land acquisition, resettlement and social impact caused by the construction of PV Plant and HV line:

Cadastral maps analysis

Study of local standards and norms

Inventory of losses based on data from cadastral maps, field visit and meetings with head of the affected community;

Collection and review of general socioeconomic data (deskwork).



LAND ACQUISITION AND RESETTLEMENT: COMPONENTS FOR WHICH LAND ACQUISITION AND RELOCATION ARE POSSIBLE

Private Land acquisition required only for construction of tower foundations.

Compensation required for:

Damages to crops / trees during land survey;
Damages to crops / land for construction of access roads (temporary access roads will be required for construction of the HV line);
Damages to crops for lay down areas and during stringing procedure.

Agriculture (with height limitations) and livestock grazing will be possible in the ROW with exception at tower foundations



RESETTLEMENT ACTION PLAN (RAP) IMPLEMENTATION PROCESS

Four phases can be distinguished:

- RAP preparation
- RAP finalization
- •RAP implementation
- Start of Civil Works

RPF has already been prepared

- The Developer will be responsible for preparing the RAP based on the final design
- Any compensations required (i.e. RAP implementation) will need to be made prior to the start of any civil works.



ÅF Aries Energía, for further information, please contact:



ÅF Aries Energía Paseo de la Castellana 130 3rd Floor 28046 Madrid | Spain

Phone: +34 91 579 52 42 www.afconsult.com