

Environmental and Social Data Sheet

Overview

Project Name:	PPC HIGH VOLTAGE SUBSTATIONS & SMART METERING
Project Number:	2015-0467
Country:	GREECE
Project Description:	Multicomponent investment programme aimed at reinforcing and modernising the electricity distribution system of peninsular and insular Greece. The programme comprises the construction of 4 new HV/MV substations (Karatea, Ampelokipi, Chania II, Ilio) and the associated HV cable connections, the extension of 3 existing HV/MV substations (Rodini, Ag. Nikolaos, Makrichori), the installation of 5 MV subsea cables for the supply of island complexes, the installation of remote controlled equipment for MV networks and the implementation of a smart meter pilot involving 170,000 household customers.
EIA required:	Yes for Karatea, Ampelokipi, Chania II, Ilio and Makrichori substations.
Project included in Carbon Footprint Exercise ¹ :	no

Environmental and Social Assessment

Environmental Assessment

The characteristics of the sub-projects under the scope of programme are such that they are listed neither under Annex I nor Annex II of the EIA Directive. However the programme includes the implementation of HV/MV substations that, according to the requirements of Greek legislation, have been/ shall be subjected to EIA.

In particular, Karatea, Ampelokipi, Chania II and Makrichori substations have been already subjected to EIA and have been granted environmental approvals. The EIA study for Ilio substation instead is still under preparation and shall be completed by the end of 2016.

The environmental impact analyses carried out and the environmental permits granted so far indicate that, subject to the implementation of the mitigating measures during the construction works, no significant impacts are expected to result from the proposed programme and that it would not adversely affect the integrity of any European site on view of the site's conservation objectives.

Appropriate mitigating measures will be implemented to minimise the impacts of the sub-projects during the construction phase in accordance with the applicable regulations. These include containing noise, dust, vibrations, emission of gaseous pollutants and traffic disruption as well as proper management of oil, fuel and construction waste materials.

¹ Only projects that meet the scope of the Pilot Exercise, as defined in the EIB draft Carbon Footprint Methodologies, are included, provided estimated emissions exceed the methodology thresholds: above 100,000 tons CO₂e/year absolute (gross) or 20,000 tons CO₂e/year relative (net) – both increases and savings.

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Works will be carried out under the supervision of the competent authorities of antiquities. Should antiquities be detected during the works, the site will undergo archaeological excavations.

All substations have been designed to comply with EMFs exposure limits. During operation a magnetic-field measurement programme will be provided at regular intervals in accordance with the applicable regulations. Where appropriate, vegetation will be planted along the perimeter of the substations in order to reduce visual disturbance.

Conclusions and Recommendations

Based on the information available, and with appropriate environmental conditionality included in the Finance Contract (see below), the programme is expected to be acceptable in environmental terms for Bank financing.

Disbursement against Ilio substation will be subject to the receipt by the Bank of a copy of the corresponding EIA study, satisfactory to the Bank, and of the approved EIA conditions.

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