

## Environmental and Social Data Sheet

### Overview

Project Name:	TERNA RETI ELETTRICHE VII
Project Number:	2016-0345
Country:	Italy
Project Description:	Multi-component investment programme to be implemented over 2016-2020 comprising several electricity transmission sub-projects geographically dispersed throughout Italy. These include the operational separation and the rehabilitation of 350 substations that the promoter has recently acquired from the national railway company Ferrovie dello Stato Italiano (FSI), the construction of six new substations (Scafati, Mercatello, S. Salvo, Vaglio, Oppido and Foggia Rignano) and 40 km of associated overhead connections, the upgrade of 10 km of existing overhead lines, the extension of S. Antonio substation, the installation of two shunt capacitors in Mercatello and Cappuccini substations, one shunt reactor in Erchie substation and two synchronous condensers in South Sardegna.
EIA required:	Yes, for the new Mercatello, Vaglio and Oppido substations and associated connections.

Project included in Carbon Footprint Exercise<sup>1</sup>: no

(details for projects included are provided in section: "EIB Carbon Footprint Exercise")

### Summary of Environmental and Social Assessment, including key issues and overall conclusion and recommendation

Some sub-projects of the programme fall under Annex II of the EIA Directive. Mercatello, Vaglio and Oppido substations have undergone a regional Environmental Impact Assessment process. The remaining sub-projects have been/will be subjected, as necessary, to environmental analyses (e.g. landscape and archaeological assessments) in the process for the authorization to build and operate.

The environmental impact analyses carried out so far indicate that, subject to the implementation of the identified mitigating measures, no significant impacts are expected to result from the construction and the operation of the sub-projects. Additionally none of the sub-projects would adversely affect the integrity of any European site on view of the site's conservation objectives with the exception of Mercatello and Sarentino substations for which the declaration of the competent authority thereon has not been yet delivered to the Bank.

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.

<sup>1</sup> 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 CO<sub>2</sub>e/year absolute (gross) or 20,000 tons CO<sub>2</sub>e/year relative (net) – both increases and savings.

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- Disbursement of the tranche amounting to 4% of the approved loan amount against the project labelled as “*Connection upgrade of Sarentino 60 kV substation*” will be subject to the receipt by the Bank of (i) a copy of the authorization to build and operate, (ii) a written confirmation by the competent authority that the project would not adversely affect the integrity of any European site on view of the site’s conservation objectives and (iii) evidence, satisfactory to the Bank, that the route of the reconstructed part of the 65 kV line Sarentino-S.Antonio has been accepted by the local populations and the local authorities.
- Disbursement of the tranche amounting to 2% of the approved loan amount against the project labelled as “*New 132 kV substation in Mercatello and associated connections*” will be subject to the receipt by the Bank of a written confirmation by the competent authority that the project would not adversely affect the integrity of any European site on view of the site’s conservation objectives.

## Environmental and Social Assessment

### Environmental Assessment

Environmental considerations have been incorporated in the design of the sub-projects from the earliest stages. Lines routes and substations locations have been selected so to minimise as much as possible proximity and crossing of human settlements, sensitive areas, and hydrogeological risk areas.

All sub-projects, including the reconductoring of existing lines, have been designed to comply with EMFs exposure limits and corona audible noise limits.

Further to that, appropriate mitigating measures have been planned and will be implemented to minimise the impacts of the sub-projects. These include containing noise, dust vibrations and traffic disruption during the construction works, proper management of soil and aggregates resulting from excavation, minimising felling and trimming of trees and, as necessary, realising compensatory plantations and relocating quality trees.