

Environmental and Social Data Sheet

Overview

Project Name:	<i>ANSALDO ENERGIA R&D</i>
Project Number:	<i>2014-0712</i>
Country:	<i>ITALY</i>
Project Description:	The project comprises the promoter's investments in Research, Development and Innovation (RDI) in the fields of gas turbines, steam turbines and generators, carried-out in Europe from 2015 to 2018. It concerns mainly product development and to some extent new technologies in order to meet the demand for improved turbines in terms of energy efficiency, emission levels and operating flexibility. The project will be carried out in the promoter's R&D centre in Genoa, Italy.

EIA required: no

Project included in Carbon Footprint Exercise¹: 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

The project activities will be carried out in existing facilities that will not change their already authorised scope due to the project. And EIA is therefore not needed as per Directive 2011/92/EU. Ansaldo Energia has quality and environmental management systems which are ISO 9001 and 14001 certified, respectively. The safety system is structured in compliance with BS OHSAS 18001.

The project, if successful, will help the promoter to develop new, better performing and more efficient gas turbines, as well as solutions to retrofit and improve the efficiency of the turbines already installed; the project is therefore expected to contribute to climate change mitigation.

In the light of the above, the project is eligible for the Bank's financing.

Environmental and Social Assessment

Environmental Assessment

Quality, environment and safety issues are well integrated into the company processes; the company promotes improvement and total compliance with the regulations and communicates its policy for quality, the environment and safety to all relevant parties. The policy is available, together with the Management system manual, on the portal and internet site. Ansaldo Energia has an environmental management system certified in compliance with ISO 14001.

Other Environmental and Social Aspects

In the recent years the promoter has rolled out many initiatives to reduce the number of accidents during the turbine manufacturing by identifying indicators to allow setting

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.

objectives for future improvements. It implemented a programme to analyse the reasons behind accidents so as to introduce measures appropriate to remove them and measure their efficiency and effectiveness analytically and objectively. The promoter carries out periodical audits of factories, internal and external work sites to check the application and compliance of the group's safety and health procedures.

In order to increase awareness about safety at all levels throughout the company, the promoter has introduced various training programmes; moreover the company has set up an environmental and safety committee to share objectives and technical solutions with the relevant department heads and managers.

In 2012, the group revised the health and safety procedures and instructions to best comply with the BS OHSAS 18001.