Luxembourg, 12th January 2015

Environmental and Social Data Sheet

Overview

Project Name:	TREVI GROUP R&D II
Project Number:	2014-0549
Country:	Italy
Project Description:	Funding of Trevi Group R&D in the field of innovative drilling technology for the period 2015 to 2018

EIA required: no

Project included in Carbon Footprint Exercise[1]: no

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

The project concerns research and engineering activities that will be carried out in existing facilities and within the scope and limits for which an authorization has been received. An Environmental Impact Assessment (EIA) is therefore not required. The project (R&D) does not have an environmental impact per se and the prototypes that will be constructed during the project will be tested either in the promoter's sites or within customer sites already authorised for the relevant activities.

The project's activities will bring about a number of social and environmental positive impacts: Trevi's activities have a strong focus on safety (seismic safety, infrastructure safety), and environmental characteristics of operated sites (management of contaminated soils and sediments, reuse of materials), while Drillmec's activities focus on improvement of safety of operational conditions.

The project overall is considered as acceptable with minor environmental impacts.

Environmental and Social Assessment

Environmental Assessment

The Trevi R&D activities concern the improvement of technologies in the areas of geo-engineering (soil-structure interaction), development of new technologies related to the soil-liquefaction risk mitigation and to the seismic structural improvement of existing precast industrial buildings having therefore a strong safety focus, and finally development of new technologies related to soil, sediment and waste materials re-use and decontamination to allow volume reduction or recovery, bringing therefore potential important improvements in the environmental characteristics of the operated sites.

The main focus of the Drillmec R&D activities is on the further development of the hydraulic drilling technologies and applications, improvement of operational performance, efficiency and very importantly of safety characteristics. In addition to the design specifics, automation and software content are the key element both in improving the operating efficiency and also the safety of the operation. This is accomplished by removing the need for certain highly risky manual operations and also by facilitating the remote monitoring of the conditions at the bottom of the rig, enabling the actuation of preventive safety mechanisms. Finally part of the activities

[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.

aim at the reduction of the potentially negative environmental impact of exploration drilling, through more efficient drilling, remote monitoring of the drilling conditions, avoidance of spill overs etc..

Other Environmental and Social Aspects

The company's Code of Ethics makes specific references to the Environment, where it is stated that protecting the environment and safeguarding natural resources are prime objectives of the Group. While carrying out its own industrial activities (mainly the production of plant and machinery and the provision of foundation-laying and drilling services) the Group contributes to scientific and technological development aimed at environmental protection and safeguarding natural resources.

PJ/ECSO 10.07.12