

Environmental and Social Data Sheet

Overview

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| Project Name: | LISBON CLIMATE ADAPTATION DRAINAGE SYSTEM |
| Project Number: | 20160412 |
| Country: | Portugal |
| Project Description: | Upgrade the drainage network of the city, including drainage tunnels and ancillary infrastructure to reduce the frequency and magnitude of floods in Lisbon. |
| EIA required: | yes |
| Multischeme project, some of them requiring a full EIA. | |
| Project included in Carbon Footprint Exercise ¹ : | no |

Environmental and Social Assessment

Environmental Assessment

During the last decade Lisbon has suffered from an increase in the intensity and number of extreme flood events. These events do not only affect the local population and the tourism industry, but more importantly cause long lasting detrimental effects to the City's property and heritage.

Lisbon has developed its Regional Plan for Territorial Planning (Plano Regional de Ordenamento do Território da Área Metropolitana de Lisboa (PROTAML)) which in its Strategic Environmental Assessment (SEA) provides a number of recommendations to address these increasingly frequent events. One of these is related to better management of urban environmental risks caused by surface soil sealing, drainage capacity, erosion and sediment accumulation.

These recommendations are captured and translated into infrastructure recommendations in the Lisbon Drainage Master Plan 2016-2030 (PGDL – Plano Geral de Drenagem de Lisboa). This plan includes recommendations to a number of structural interventions in the City, of which the most significant in terms of size and cost are two main drainage tunnels and ancillary facilities, to be financed by the Bank's loan ("the Project"). The Project is designed to minimise the recurring and increasing problem of flooding and increase the resilience of urban infrastructure in specific vulnerable areas of the city, including parts of the city centre.

The project will deliver substantial environmental quality improvements, notably in the form of increased resilience against damages from high intensity floods. None of the infrastructure works will be implemented inside or in the vicinity of Natura 2000 or other protected sites. Some project components fall under Annex II of the Environmental Impact Assessment EIA Directive 2011/92/EU, transposed into Portugal's legislation (Decreto Lei n.º 151-B/2013.), which was in force at the time of the approval of the project's EIA, published on the Bank's website. The competent authority, namely the Portuguese Environment Agency (APA), has

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.

Luxembourg, 28 August 2018

issued the approvals for the Título Unico Ambiental (TUA) and the Declaracao de Impacte Ambiental (DIA).

The Contractors in charge of the works will be responsible for preparing the Environmental Management Plans (RECAPes) to be approved by the APA. The Project Promoter is the Municipality of Lisbon.

Finally, the project will contribute to Climate Adaptation and Mitigation by supporting investments that increase resilience to climate change related risks.

Social Assessment, where applicable

By reducing the likelihood of the impacts resulting from high intensity flood events, the project is expected to bring substantial health, and socio-economic advantages, including from environmental and patrimonial protection improvements.

Negative social impacts will be only temporary and will include possible disruption of services and traffic, noise and temporary occupation of public and private space, as well as safety hazards during the construction phase, which will be addressed as part of the planning for the implementation of each scheme.

Public Consultation and Stakeholder Engagement

The Promoter carried out all legally required public consultation and stakeholder engagement processes during the approval stages.

Other Environmental and Social Aspects

During the project's due diligence, the Promoter has demonstrated sound practice with respect to environmental, health and safety management.

Conclusions and Recommendations

The project is driven by the necessity to increase infrastructure resilience against a higher frequency of extreme flood events in the City of Lisbon; which result in public and private property loss, alongside health damages. All schemes under the project will be subject to the Promoter's compliance with the following requirement:

1. The Promoter will ensure that any environmental and social mitigation and compensation measures will be implemented in accordance with the Environmental and Social Management Plan (ESMP), when necessary, and will immediately notify the Bank of any adverse environmental or social impact arising during implementation.

Under this condition the operation is acceptable for EIB financing in environmental and social terms.