



Luxembourg, 26/10/2022

Environmental and Social Data Sheet

Overview

Project Name:	BUCHAREST S2 ENERGY EFFICIENCY II
Project Number:	2022-0183
Country:	Romania
Project Description:	Financing of the 4th phase of Bucharest S2 thermal rehabilitation programme to improve the energy efficiency of 428 multi-apartment buildings located in Sector 2 of Bucharest Municipality
EIA required:	no
Project included in Carbon Footprint Exercise ¹ :	yes

Environmental and Social Assessment

Environmental Assessment

The operation aims at improving the thermal performance of existing residential buildings located in Sector 2 of Bucharest through thermal rehabilitation works. The project is in line with the objectives of the national Long Term Renovation Strategy (LTRS 2020) and is expected to generate energy savings of 40% in heat consumption, resulting in reduced air pollution due to the reduced emission of greenhouse gases.

At construction stage, the project implementation may lead to increased noise and vibration levels, and may impact air quality. Adequate mitigation measures will be implemented in accordance with the existing legal framework, together with the enforcement of good construction practices. The project's impact at construction stage will be temporary and reversible, at a level, which is deemed acceptable.

The primary energy savings resulting from this project are estimated at around 82,187 MWh per year corresponding to 13,941 t of CO₂ equivalent per year.

For the annual accounting purposes of the EIB Carbon Footprint, the project emissions will be prorated according to the EIB lending amount signed in that year, as a proportion of project cost.

None of the projects falls under Annex II of the EIA Directive 2014/52/EU amending the EIA Directive 2011/92/EU.

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



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Social Assessment, where applicable

No special social risks are foreseen for this project. Oppositely, the operation is expected to bring positive social benefits related to the gains in energy efficiency and associated decrease in the energy bill, helping to tackle energy poverty.

Conclusions and Recommendations

Through a proper management system and based on the experience of the previous three operations the Promoter will ensure that the main negative limited impacts during construction will be adequately mitigated. Thus, the capacity of the Promoter is deemed acceptable for the scale, nature and location of the projects.

The Promoter shall:

- Implement and maintain a quality management system;
- Ensure that after refurbishment, energy performance certificates are produced for all buildings. These EPCs shall be issued by independent accredited experts, according to the national legislation implementing Energy Performance of Buildings Directive;
- The Promoter will ensure ex-post verification of the quality of the works and the energy efficiency savings by independent certified experts and report to the Bank the results.

The Bank may, additionally to the Promoter own verification, in its own discretion, will hire an independent expert in order to check the quality of buildings rehabilitated under the present Project. In case the report of the independent expert shows the quality of works to be below the state of the art construction quality, the Promoter shall take all necessary or desirable remedial action.

In view of the above findings and conditions, the operation is deemed satisfactory from an environmental and social compliance perspective.