

# NON-TECHNICAL SUMMARY

## GrCFW2 Belgrade Public Buildings Project

### Serbia



December 2021

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## Abbreviation List

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Abbreviation	Full name
EBRD	European Bank for Reconstruction and Development
EE	Energy Efficiency
EIA	Environmental Impact Assessment
ESIA	Environmental and Social Impact Assessment
ESMMP	Environmental and Social Management and Monitoring Plan
EU	European Union
GCAP	Green Cities Action Plan
GrCF	Green Cities Framework
H&S	Health & Safety
IFIs	International Financing Institutions
NTS	Non-Technical Summary
PIU	Project Implementation Unit
SECAP	Sustainable Energy and Climate Action Plan
SEP	Stakeholder Engagement Plan
SFI	Secretariat for Investment
WMP	Waste Management Plan

# 1 Introduction

The European Bank for Reconstruction and Development (the “EBRD” or the “Bank”) provided financing to the City of Belgrade (the “City”) in total amount of EUR 5 million to partially finance priority investments for the implementation of energy efficiency rehabilitation (“EE”) and structural measures in four public buildings in property of the City.

The Project “GrCFW2 Belgrade Public Buildings – Serbia” will finance retrofit and refurbishment of:

- Institute for Student Health Care - the Student Polyclinic,
- Institute for Student Health Care - the Student Hospital,
- the City Library – facility in Zmaj Jovina street, and
- the Emergency Medical Institute of Belgrade (two out of three buildings blocks).

Once implemented, the Project is expected to contribute to significant CO2 reductions and savings in final energy consumption and energy costs. It will also improve comfort and the quality of the service to visitors and patients.

On behalf of the City Administration the project is being implemented by the Secretariat for Investments (SFI) Buildings sector.

The environmental and social impacts of the project have been reviewed as part of the loan approval process. This document, Non-Technical Summary (NTS) has been developed as part of that assessment to highlight the potential impacts from the Project.

# 2 Current Organisation within the City

The City of Belgrade is governed by four entities, each with their own duties and responsibilities – the Assembly of the City, Mayor’s Office, City Council and City Administration. City Administration responsibilities are divided between 25 City Administration Secretariats.

The Secretariat for Investments is responsible for activities related to implementation of investments funded from the City of Belgrade budget, ,

incomes based on debt and donations, financial agreements related to loans and donations financed by International Financing Institutions (IFIs) as well as other income determined by legal regulations and the Statute of the City of Belgrade. The Secretariat currently employs 46 people, working in 6 different sectors, which are further divided into departments (Figure 1).

Responsibilities for the management of environmental, health and safety and social issues within the City are spread out across several secretariats and departments.

The Project Implementation Unit, which will be established by the beginning of the project, is responsible for managing ongoing projects under the authority of the City Administration.

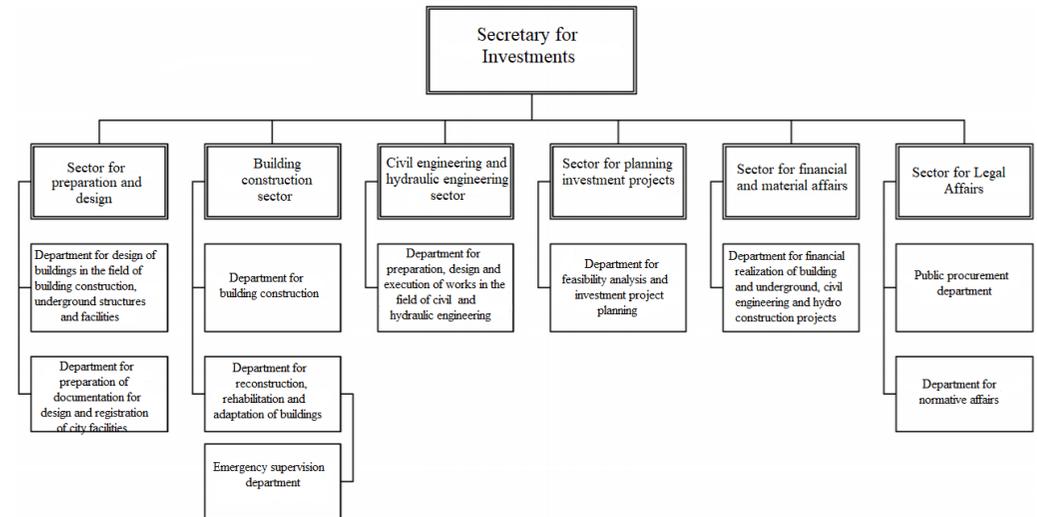


Figure 1 Organizational Chart of Secretary for Investments

### 3 Project description

The Project is part of the Green Cities Framework (“GrCF”), a strategic and multi-project approach targeting environmental issues in selected large cities across the Bank’s countries of operation. In 2017, the City of Belgrade joined the EBRD’s Green Cities initiative. The obligatory Green Cities Action Plan (“GCAP”) and Sustainable Energy and Climate Action Plan (“SECAP”) were developed and adopted in early 2021.

The Project is the retrofit and refurbishment of the following investment components:

- **Component 1:** The Library of City of Belgrade– facility in Zmaj Jovina street (hereinafter: the City Library)
- **Component 2:** Institute for Student Health Care – facility of the Student Polyclinic (hereinafter: the Student Polyclinic)
- **Component 3:** Institute for Student Health Care – facility of the Student Hospital (hereinafter: the Student Hospital)
- **Component 4:** The Emergency Medical Institute of Belgrade (hereinafter: the Emergency Medical Institute)

Table below summarizes stage of design and the status of the construction permit for all four public buildings that are subject to this project.

Building	Current Design Stage	Status of the Construction Permit
City Library	Design for construction	Obtained
Student Polyclinic	Concept design	To be obtained
Student Hospital	Conceptual solution	To be obtained
Emergency Medical Institute	Design for construction	Obtained

The Project components and the planned scope of works are presented below.

#### Component 1: The City Library



The City Library was constructed in 1931. It consists of the Library main building and a small building in the courtyard, with the latest reconstruction done in 1991.

The entrance to the City Library is located in Zmaj Jovina Street, but building is on corner with Obilicev venac.

The City Library is expected to be upgraded after implementation of EE measures to energy class C (and now is class E) with total final energy saving of 66% and primary energy saving of 32%.

Scope of work for the City Library includes adaptation, rehabilitation, and reconstruction of the building, including thermal insulation of walls, renovation of the façade, reconstruction and thermal insulation of roofs, repair and replacement of windows and glass packages.

In functional terms, both buildings will be adapted for people with disabilities through specific measures. The Main building will be equipped with an elevator.

## Component 2: The Student Polyclinic



The building of the Student Polyclinic was built in the early 20th century and is in poor condition due to lack of adequate maintenance of all installations.

The Student Polyclinic is located on the corner of Krunska and Braće Nedića streets, and the main entrance is from Krunska street.

Following the implementation of the Project the building is expected to be upgraded from class D to class B and achieve final energy savings of 79% and primary energy saving of 60%.

Scope of work for the Student Polyclinic includes adaptation, rehabilitation, and reconstruction of the building, including thermal insulation of walls and facade renovation, remediation of moisture in walls and floors on the ground, thermal insulation and renovation of flat and sloped roof areas.

In functional terms, the facility will be adapted for people with disabilities. An elevator will be installed in the building, which will provide access to all floors.

## Component 3: The Student Hospital



The building was built in the early 20th century as a residential building and after several reconstructions it was converted into a health care facility. The latest reconstruction of the building dates back to 2001.

The student hospital is located in Prote Mateje Street.

The hospital is expected to be upgraded from class C to class B and achieve final energy savings of 46% and primary energy savings of 30%.

Scope of work for the Student Hospital includes adaptation, rehabilitation, and reconstruction of the building to improve the energy efficiency of the facility, eliminate existing damage and improve comfort conditions, all within the conservation conditions. The works include thermal insulation of walls, renovation and construction of a new facade, rehabilitation of moisture in the walls, thermal insulation and renovation of a flat roof, and repair / replacement of windows and doors and replacement of glass packages.

In functional terms, the facility will be adapted for people with disabilities. Another functional change, at the request of the user, refers to the formation of two separate rooms for the needs of the laboratory.

#### Component 4: The Emergency Medical Institute



The Emergency Medical Institute complex consists of three buildings (Blocks A, B and C) with associated parking and access roads and it is located in Bulevar Franše D'Eperea.

Following the implementation of the project the Emergency Medical Institutes is expected to be graded as energy class C, with final energy savings of 49% and primary energy savings of 16%.

The proposed construction works assume:

- (i) demolition of the existing Block A;
- (ii) Construction new building on its place with a larger footprint and with ground plus two floors; and,
- (iii) Reconstruction of the existing Blocks B and C with improvements in energy efficiency.



## 4 Environmental and Social Impacts

### Environmental Impact Assessment Process

The Project is classified as a category B project under the EBRD guidelines and therefore, does not require an Environmental and Social Impact Assessment (ESIA) to be undertaken. However, the Project has been screened for potential impacts associated with construction process, such as possible impacts on air, water or soil quality, noise, impacts on biodiversity or social and cultural environment.

### Project benefits

Although preparation of Environmental Impact Assessment (EIA) will not be required due to the size of the project and fact that is located in the urban area, impacts that are associated with construction process, such as possible impacts on air, water or soil quality, noise, impacts on biodiversity or social and cultural environment would have to be identified. In general, the Project is expected to have minor environmental impacts during the construction phase and in general positive long-term impact, i.e. a positive impact during the operational phase.

The overall benefits of the Project are summarised below:

- Measures implemented through the project will reduce the climate change impacts through reduction of energy consumption and CO<sub>2</sub> emissions.
- The Project is expected to contribute to a significant reduction in CO<sub>2</sub>
- The Project will greatly benefit users, who will have better conditions of use.
- Reconstruction the three components of the Project are under the protection of the monument, the Library of the City of Belgrade, the Student Health Center, the Student Hospital, can be listed as a long-term positive impact, but also as limited and temporary negative due to the risk of disrupting the existing appearance during the renovation.
- After implementation, the Project will achieve savings in final energy consumption and energy costs as per the Energy Study which was

developed for the project. All components will achieve energy class B or class C, from the current class E or D.

### Potential impacts and mitigation measures

Potential adverse environmental, social and health and safety impacts of the Project are expected mainly to be site specific during the construction phase, with some potential impacts also identified for the operation phase.

As a part of the environmental and social assessment of the Project, key risks, impacts and mitigation measures have been identified. Based on the findings, an Environmental and Social Action Plan (ESAP) has been developed, as well as Stakeholder Engagement Plan (SEP) which contain actions required to be implemented to align the Project delivery with EBRD requirements. A Framework Environmental and Social Management and Monitoring Plan (ESMMP) that also includes sections for health and safety has also been developed to be used by future Contractors to prepare site-specific Construction Environmental and Social Management and Monitoring Plans. These will include relevant subplans to cover impact topics like waste, air pollution, noise and vibration, or cultural heritage. These plans are to be implemented during the construction stage of the project. Through implementation of these plans City Administration and the Contractor will ensure that any future impact of the Project is adequately minimized and managed and Project is implemented in line with relevant national legislation, EU and EBRD requirements.

Identified potential impacts and proposed mitigation measures relevant for the construction phase of the Project are summarized in the following tables.

Construction phase	
Possible Impacts	Proposed Mitigation Measures
<b>Traffic Safety</b> Possible impacts include escalation in the number of accidents due to increased number of vehicles and/or damages to local road network, safety issues due to the lack of adequate traffic signage, etc.	City Administration to ensure that the Contractors develop Traffic Management Plan before the construction works begin, that will define transport routs, access roads, parking areas, training of drivers and operators, maintenance of vehicles and equipment, and other relevant control measures.

Construction phase	
Possible Impacts	Proposed Mitigation Measures
<p><b>Resource Efficiency</b> Potential impacts can occur in the areas outside the site where material require for construction is obtained.</p>	<p>The Contractor should adhere to international best practice and national legislation in their sourcing of any primary aggregates, sand and soils that may be required. City Administration and PIU to ensure that contractor's materials are sourced only from licensed borrow pits, plants and operators.</p>
<p><b>Air pollution, Noise and vibration</b> expected during the project execution. Dust from construction activities, particularly during demolition, increased noise and vibration levels in urban areas where noise and vibrations are already high.</p>	<p>City Administration to ensure that mitigation measures during the project's construction phase are well documented and included in a Construction ESMMPs by the Contractor.</p>
<p><b>Waste</b> Various types of waste are expected to be generated during the project execution, mainly construction and possibly hazardous waste. Although asbestos is not listed in the documentation provided by the design team, considering the age of the buildings they had been subject to several reconstructions over time, but the records of the works performed could be incomplete. Therefore, it is possible to that asbestos is discovered during demolition works.</p>	<p>City Administration to ensure that the Contractors develop Waste Management Plan. Contractors' WMP should encompass all required actions and relevant mitigation measures for minimising potential impact for construction phase. Contractors' Waste Management Plan to be developed in line with ESMMP. In the case of detection of asbestos during demolition works, City Administration to ensure that the Contractors develop Asbestos management procedure. This procedure to be developed in line with legislation requirements, IFIs' standards, best practice examples and ESMMP which is provided as part of this assignment.</p>
<p><b>Health and Safety</b> - Impact on workers, community, traffic and existing structures.</p>	<p>Requirement for preparation of Community Health and Safety Management Plan (based on the identified community H&amp;S hazards, risks and measures) in line with relevant national legislation and EBRD Performance Requirements</p>

Construction phase	
Possible Impacts	Proposed Mitigation Measures
	<p>Preparation of the Construction H&amp;S Management plan in line with national requirements and EBRD's PR4. Site fire safety protection plan are also planned to be developed.</p>
<p><b>COVID-19 Response</b> Although respective COVID-19 national guidelines and measures were implemented on ongoing projects, there were no specific requirements for preparation of the COVID-19 Response Procedure in procurement documentation.</p>	<p>Requirement for the Contractor to develop COVID-19 Response Procedure to be included in the procurement documentation. Procedure to be developed in line with relevant national legislation requirements and guidelines, as well as in line with international best practice, WHO and EBRD relevant guidelines.</p>
<p>Although no registered <b>cultural heritage</b> sites will be affected by the execution of the works, chance findings are still possible.</p>	<p>The Contractor will develop Chance Finds Procedure to prepare for any chance findings and ensure that no cultural heritage sites are affected.</p>
<p>Damage to private and public property</p>	<p>Contractors will be obliged to promptly fix any damages caused by construction activities to private property (movable or immovable) as well as to public property (streets and sidewalks, utility networks)</p>
<p><b>Stakeholder Engagement</b> - City Administration issue announcements on the ongoing projects and consultations are being organized when required by national legislation.</p>	<p>City Administration and PIU to implement and regularly update Stakeholder Engagement Plan.</p>

## Monitoring

City Administration and PIU will ensure that identified risks are adequately mitigated through regular monitoring. State Inspections are responsible for monitoring, reporting and sanctioning of eventual non-compliances with

national legislation and issued permits. Supervision Consultant will be appointed and will monitor and report on Contractor's performance.

As noise has been identified as key impact during the construction phase, baseline levels will be determined before the construction works start. In case of complaints from the local community, as well as negative findings from inspections, regular noise measurements will be organized during the execution of construction works.

## 5 Engagement with stakeholders

The public can get informed on the operations of the City Administration on the City of Belgrade official website (<https://www.beograd.rs/>). The website also offers several venues for submitting grievances and inquires to the City Administration, via email, phone or through an online form. Additionally, there is a call centre that serves as unified information centre and facilitates communication between the public and City Administration, public utility companies and other city institutions under the jurisdiction of the City Administration.

A Stakeholder Engagement Plan (SEP) has been prepared to identify key stakeholders and define relevant procedures and future plans for engagement prior to and during construction and it includes a Project-specific grievance mechanism.

### Grievance Mechanism

Submitting grievances to City Administration is currently possible through various channels: by phone or via e-mails, by filling out a form available on their website (<https://www.beograd.rs/cir/pitajte-gradsku-vlast/>) and through a call centre.

Stakeholder Engagement Plan developed specifically for this project contains grievance redress mechanism, that will allow the public to send complaints in person or via post, telephone or email using the contact information provided on City of Belgrade website, at the relevant municipality notice boards, at the site offices.

All grievances should be categorized and recorded in the Grievance Log register. The Grievance Log register will have all necessary elements to disaggregate the grievance by gender of the person logging it as well as by type of grievance. Each grievance will be recorded in the register with the following information:

- Description of grievance,

- Date of receipt / acknowledgement returned to the complainant,
- Description of actions taken (investigation, corrective measures),
- Date of resolution and closure / provision of feedback to the complainant.

Receipt of grievances will be acknowledged within 14 days from their submission. Grievances in relation to construction activities will be addressed by construction contractors. At all times, complainants are also able to seek legal remedies in accordance with local laws and regulations.

A grievance form is at the end of the document.

### Contact Information

The City Administration	
Secretariat for Investment	
Address	Trg Nikole Pašića 6, 11000 Beograd
Telephone:	+381 11 3229 678 call centar
E-mail address:	investicije@beograd.gov.rs
Web	<a href="https://www.beograd.rs/cir/pitajte-gradsku-vlast/">https://www.beograd.rs/cir/pitajte-gradsku-vlast/</a>

Contact details of the contractor(s) will be added once the contractors have been identified.

## Public Grievance Form

<b>Reference No:</b>	
<b>Full Name</b>	
<b>Contact Information</b>	<input type="checkbox"/> <b>By Post: Please provide mailing address:</b> _____ _____ _____
Please mark how you wish to be contacted (mail, telephone, e-mail).	<input type="checkbox"/> <b>By Telephone:</b> _____ <input type="checkbox"/> <b>By E-mail</b> _____
<b>Description of Incident or Grievance:</b>	What happened? Where did it happen? Who did it happen to? What is the result of the problem?
<b>Date of Incident/Grievance</b>	<input type="checkbox"/> <b>One-time incident/grievance (date _____)</b> <input type="checkbox"/> <b>Happened more than once (how many times? _____)</b> <input type="checkbox"/> <b>On-going (currently experiencing problem)</b>
<b>What would you like to see happen to resolve the problem?</b>	