



ENVIRONMENTAL AND SOCIAL ACTION PLAN (ESAP)

Corridor Level Environmental and Social Assessment for the
Belgrade-Nis High Speed Railway Corridor, Serbia

July 2022

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List of Abbreviations

CESMP	Construction Environmental and Social Management Plan
E&S	Environmental and Social
EBRD	European Bank for Reconstruction and Development
EIB	European Investment Bank
ESAP	Environmental and Social Action Plan
ESMP	Environmental and Social Management Plan
ESMS	Environmental and Social Management System
ESP	Environmental and Social Policy
EU	European Union
GET	Green Economy Transition
GHG	Greenhouse gases
OESMP	Operational Environmental and Social Management Plan
OHS	Occupational Health and Safety
OWMP	Operational Waste Management Plan
PIU	Project Implementation Unit
PR	Performance Requirement
RAP	Resettlement Action Plan
RoS	Republic of Serbia
SEP	Stakeholder Engagement Plan
SRI	Serbian Railway Infrastructure

1. Introduction

The European Bank for Reconstruction and Development (EBRD) is considering providing finance to the Republic of Serbia (RoS) for the benefit of Serbian Railways Infrastructure (SRI). The Project is expected to be co-financed by the European Investment Bank (EIB) and the European Union (EU) through the Western Balkans Investment Framework or other EU mechanism.

The loan will be used to finance the rehabilitation and upgrade of the approx. 243 km-long railway line connecting Belgrade to Nis (Corridor X) with the aim to increase the speed while enhancing quality of passenger and freight rail services. The entire project will involve a combination of upgrading the design speed to up to 160/180/200 km/h (depending on the section) and doubling of the single tracks. The Belgrade-Nis rail route will be fully electrified. Thanks to improved infrastructure, the travel time between Belgrade and Nis will be significantly reduced, safety will be improved, as well as the capacity and comfort of the passenger and freight services. This will increase competitiveness of rail transport, especially for international and transit freight traffic, allowing significant modal shift to rail as low carbon intensity sector. This modal shift from road-based transport will have a significant impact in terms of lowered carbon emissions.

The loan will be tranching based on a schedule of subsection rehabilitation, with the first tranche committed to finance the works of the Stalac-Djunis subsection (approx. 17 km in length), the only subsection for which a national environmental and social (E&S) assessment has been carried out to date. Tranches to finance other subsections of Corridor X will be uncommitted.

This Environmental and Social Action Plan (ESAP) includes key actions which the SRI should undertake during the implementation of the Project to ensure that EBRD's Performance Requirements (PRs), EIB's Standards, EU regulations and international standards, as well as national legislation are met. ESAP has been developed taking into account the findings of the E&S due diligence carried out throughout March to June 2022. The SRI will utilise this ESAP during preparation of subproject specific ESIA and ESAPs for each Project subsection in the next Project phase. **The ESAP will constitute an integral part of the financing agreement with the EBRD and EIB.**

The SRI **will be responsible for ensuring that third parties or contractors working on project sites meet the requirements of the ESAP** by adopting and implementing proper contractor management. This is expected to be accomplished by inclusion of appropriate requirements and conditions in tender documents, contracts and subcontracts, and through direct oversight and supervision by the SRI. The SRI **will also be responsible for implementing actions specified in the ESAP in the operation and maintenance phase.**

The SRI is required to establish and maintain a Project specific Environmental and Social Management System (ESMS) appropriate to the nature and scale of the Project and commensurate with the level of its E&S impacts and issues in line with good international practice. The SRI will need to designate specific personnel, including management representative(s), with clear lines of responsibility and authority to maintain and implement the ESMS, and ensure that employees with direct responsibility for activities relevant to the E&S performance of the Project and the SRI's operations are suitably qualified and trained. The SRI is also required to establish an overarching E&S Policy defining the objectives and principles that enable the Project to achieve sound E&S performance.

The SRI will monitor the implementation of actions specified in this ESAP. Based on the monitoring results, it will identify and reflect any necessary corrective and preventive actions in an amended ESAP if necessary (as to be agreed with the Lenders), implement the agreed corrective and preventive actions, and follow up on these actions to enhance their performance. The SRI will be required **to provide regular reports to EBRD and EIB on the E&S performance of the Project**, including compliance with the EBRD's PRs, EIB's Standards and implementation of this ESAP, the Framework Environmental and Social Management Plan (ESMP), the Stakeholder Engagement Plan (SEP) and the Resettlement Policy Framework (RPF).

The SRI will prepare and submit to Lenders 6-monthly reports on E&S issues during the construction phase and annual reports during the operation phase as required by the Lenders, and will be audited or otherwise evaluated by EBRD and EIB throughout the implementation phases of the Project. The EBRD and EIB may also periodically verify the monitoring information through site visits by its E&S specialists and/or independent experts. The SRI must promptly notify the EBRD and EIB of any E&S incident or accident relating to the SRI or the Project which has, or is likely to have, a significant adverse effect, or of any changes to the Project's scope, design or operation that is likely to materially change its E&S impacts and issues.

2. Environmental and Social Action Plan

No.	Action	E&S Risks (Liability/Benefits)	Requirement (Legislative, EBRD PR, EIB Standard, Best Practice)	Resources, Investment Needs, Responsibility	Timetable	Target and Evaluation Criteria for Successful Implementation	Status of implementation
EBRD PR 1: Assessment and Management of Environmental and Social Risks and Impacts							
EIB Standard 1: Environmental and Social Impacts and Risks							
1.1.	<p>Establish a Project Implementation Unit (PIU) with the responsibility to manage the Project. PIU representatives should be competent to conduct comprehensive and clear reporting procedures between parties involved in this Project.</p> <p>The PIU should come with a clear organigram, roles and responsibilities, E&S management positions, local staff & consultants, budget for adequate human and financial resources.</p>	<ul style="list-style-type: none"> > Improved E&S performance and compliance with Lenders' requirements 	<ul style="list-style-type: none"> > EBRD PR 1 > EIB Standard 1 > Best practice 	<p><i>Resources:</i> Internal resources of SRI</p> <p><i>Investment needs:</i> None</p> <p><i>Responsibility:</i> SRI</p>	During the Project preparation phase	<p><i>Target:</i></p> <ul style="list-style-type: none"> o Institutional capacity for E&S management strengthened <p><i>Evaluation Criteria:</i></p> <ul style="list-style-type: none"> o Roles and responsibilities for implementation of E&S management defined and clearly communicated to all participants of the Project o Lenders notified of PIU establishment 	
1.2.	<p>SRI to ensure that the project designers take into account the design measures specified in the Framework ESMP. SRI to include Framework ESMP and subsection specific ESMPs in the Tender documents and contract.</p> <p>Require from project designers to develop a Management of Change Procedure for the design finalisation, any design changes required during construction or other changes during construction, including any additional land which is required outside of the expropriation corridor.</p>	<ul style="list-style-type: none"> > Ensuring compliance with national requirements and best practices > Ensuring compliance with international standards 	<ul style="list-style-type: none"> > Law on Planning and Construction > Law on Environmental Protection > Law on Protection against Non-ionising Radiation > EN European/Serbian (SRPS) standards > TSIs > Best practice 	<p><i>Resources:</i> Project designer's internal resources</p> <p><i>Investment needs:</i> Preparation of the Preliminary/ Main Design to be financed from the Project budget</p> <p><i>Responsibility:</i> Contractor – implementation PIU – supervision</p>	During the project design stage	<p><i>Target:</i></p> <ul style="list-style-type: none"> o Full compliance with national/international requirements and standards achieved <p><i>Evaluation criteria:</i></p> <ul style="list-style-type: none"> o All Framework ESMP measures included in the Preliminary/ Main Design o Management of Change Procedure developed o Lenders notified of completion of Preliminary/ Main Design 	

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1.3.	<p>SRI to ensure that subsection specific ESIA and ESAPs are developed and approved by SRI and Lenders, taking into account the preliminary findings and the guidelines/recommendations presented in the Corridor E&S Assessment Report.</p> <p>SRI to ensure that, for each subsection, a national EIA (satisfying the requirements of the national regulation including the Law on EIA) and an international ESIA (satisfying Lenders requirements) are prepared. It is recommended to use the same document (English and Serbian versions) for both sets of requirement.</p> <p>The national EIA study will be submitted to the Ministry of Environmental Protection for their final approval (<i>as per requirements of the Law on Environmental Protection and the Law on EIA</i>).</p>	<ul style="list-style-type: none"> > Ensuring compliance with national and Lender's requirements as well as best practices 	<ul style="list-style-type: none"> > EBRD PR 1 > EIB Standard 1 > Law on Planning and Construction > Law on Environmental Protection > Law on EIA > Law on Special Procedures for the Implementation of Construction and Reconstruction Projects of Linear Infrastructure of Particular Importance for Serbia > Best practice 	<p><i>Resources:</i> Engagement of external consultancy</p> <p><i>Investment needs:</i> Costs of external consultancy</p> <p><i>Responsibility:</i> SRI</p> <p>Approval by national authorities (EIA) and Lenders (ESIA)</p>	During the Project preparation phase	<p><i>Target:</i></p> <ul style="list-style-type: none"> o Full compliance with national and Lenders' requirements and standards achieved <p><i>Evaluation Criteria:</i></p> <ul style="list-style-type: none"> o National EIAs, ESIA and ESAPs for Project subsections developed and approved 	
1.4.	SRI to carry out the national permitting procedures (environmental, construction, use permitting) for reconstruction of the Belgrade-Nis railway section.	<ul style="list-style-type: none"> > Ensuring compliance with national requirements 	<ul style="list-style-type: none"> > Law on Planning and Construction > Law on Environmental Protection > Regulation on the contents and manner of conducting technical examination of facilities 	<p><i>Resources:</i> SRI's internal resources with support of the Contractor that will develop the required documentation for obtaining the permit(s)</p> <p><i>Investment needs:</i> SRI's internal resources; the Contractor's work is financed from the Project budget</p> <p><i>Responsibility:</i> SRI</p>	As required by national laws	<p><i>Target:</i></p> <ul style="list-style-type: none"> o Full compliance with national requirements achieved <p><i>Evaluation criteria:</i></p> <ul style="list-style-type: none"> o All project permit(s) obtained o Lenders notified of obtained permit(s) 	
1.5.	SRI to develop and adopt a Project-specific E&S Policy (ESP) and develop and implement a Project-specific Environmental and Social Management System (ESMS) in line with the Framework ESMP.	<ul style="list-style-type: none"> > Optimisation of E&S management through a 	<ul style="list-style-type: none"> > EBRD PR 1 > EIB Standard 1 > Best practice 	<p><i>Resources:</i> SRI's internal resources or engagement of an external consultancy</p>	Prior to Project implementation	<p><i>Target:</i></p> <ul style="list-style-type: none"> o Effective management of the Project 	

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	<p>The ESMS will include the already existing operational procedures within the SRI, as well as the Project-specific E&S issues. It will cover the following E&S requirements:</p> <ul style="list-style-type: none"> > Review of E&S risks and associated operational controls regarding Project implementation and railway maintenance; > Clearly defined roles, responsibilities and authority for implementation of the ESMS; > Relevant procedures for implementation and monitoring of ESAP, CESMP, OESMP, SEP and future RAPs. 	<p>developed formalised system</p> <ul style="list-style-type: none"> > Compliance with Lenders' requirements 		<p>to develop and put the system in place</p> <p><i>Investment needs:</i> Internal resources or costs of external consultancy</p> <p><i>Responsibility:</i> SRI</p>		<p><i>Evaluation criteria:</i></p> <ul style="list-style-type: none"> o ESMS established and operational o ESP adopted o Roles and responsibilities for implementation of ESMS, CESMP and OESMP defined and clearly communicated to the involved employees by SRI Management o Information on ESMS implementation included in reports submitted to Lenders 	
1.6.	<p>SRI to appoint a senior environmental associate and a senior social associate who will, on behalf of SRI, monitor the implementation of the ESMPs by the Contractor in the construction phase and be responsible for implementation of the ESMP in the operational phase, as well as ESAP implementation in both phases. The already appointed RAP Manager in SRI will oversee RAP and Resettlement Policy Framework (RPF) implementation and reporting to the Lenders on land acquisition issues.</p> <p>SRI to appoint a responsible person for waste management for the Project and ensure that the Contractor also appoints a responsible person for waste management in line with Article 26 of the national <i>Law on Waste Management</i>. These responsible persons will have regular contacts and undertake timely planning of waste management practices during the construction phase.</p>	<ul style="list-style-type: none"> > Improved E&S performance > Compliance with national and Lenders' requirements > Improved waste management practices 	<ul style="list-style-type: none"> > Law on Waste Management > EBRD PR 1, PR 3 > EIB Standard 1 	<p><i>Resources:</i> SRI's and Contractor's internal resources or engagement of external technical assistance</p> <p><i>Investment needs:</i> SRI – internal resources. Contractor - included in the Project budget</p> <p><i>Responsibility:</i> SRI/ Contractor</p>	In the construction and operation phase	<p><i>Target:</i></p> <ul style="list-style-type: none"> o Achieving high level of E&S management <p><i>Evaluation criteria:</i></p> <ul style="list-style-type: none"> o Official appointment letter o Information on appointment included in reports submitted to Lenders 	
1.7.	<p>Prior to construction, SRI to require from the Contractor to <u>develop and implement</u> a Construction Environment and Social Management Plan (CESMP), which includes the following subplans:</p> <ul style="list-style-type: none"> > Construction Compound Selection and Management Plan 	<ul style="list-style-type: none"> > Compliance with national and Lenders' requirements 	<ul style="list-style-type: none"> > National environmental regulations > National nature protection regulations 	<p><i>Resources:</i> Contractor's internal resources</p> <p><i>Investment needs:</i> Contractor's internal resources (as part of</p>	Prior to start of construction works	<p><i>Target:</i></p> <ul style="list-style-type: none"> o Construction activities properly planned and implemented <p><i>Evaluation criteria:</i></p>	

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	<ul style="list-style-type: none"> > Construction Biodiversity Management Plan > Construction Air Quality and Dust Management Plan > Construction Noise and Vibration Management Plan > Construction Water and Soil Management Plan > River Crossing Plan > Construction Waste Management Plan, including Decommissioning Waste Management Plan > Construction Spoil Management Plan > Construction Planting Management Plan > Construction Traffic Management Plan > Workers' Accommodation Management Plan > Cultural Heritage Management Plan > Construction Health, Safety and Security Plan > Construction Labour and Employment Plan > Construction Workers' Code of Conduct > Blasting Management Plan (if needed) > Construction Emergency Preparedness and Response Plan > Training Plan <p>The subplans should include all the requirements and mitigation measures as specified in the Framework ESMP.</p> <p>In particular, the Training Plan to include the following topics:</p> <ul style="list-style-type: none"> > Applicable HR policy provisions and procedures, > Project-level and Worker Grievance Mechanisms, > Construction Workers' Code of Conduct, with emphasis on provisions intended to combat gender-based violence and harassment, > Protection of known cultural heritage and chance finds, > Emergency preparedness and response, 		<ul style="list-style-type: none"> > Law on Safety in Railway Operations > EBRD PR 1, PR 3, PR 4 > EIB Standards 1, 3, 5, 9 	<p>the loan under this Project) or costs of engagement of an external consultant</p> <p><i>Responsibility:</i> SRI - to transfer responsibility for development and implementation to the Contractor PIU – approval of the subplans (CESMP) before start of construction works, then supervision</p> <p>Lenders - no objection on the following CESMP subplans: 1) Construction Compound Selection and Management Plan, 2) Construction Biodiversity Management Plan, 3) Construction Waste Management Plan, including Decommissioning Waste Management Plan, 4) Construction Spoil Management Plan, 5) Workers' Accommodation Management Plan, and 6) Construction Water and Soil Management Plan</p>		<ul style="list-style-type: none"> o CESMP with accompanying plans developed and approved by PIU/Supervision Engineer o Subplans listed under the "Resources" column sent to and approved by the Lenders o Information on CESMP included in reports submitted to Lenders 	

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	<ul style="list-style-type: none"> > Materials management, > Environmental protection, and > Ecological sensitivities of the Project area, invasive species and health and safety recommendations regarding poisonous, venomous or otherwise dangerous flora and fauna. 						
1.8.	<p>Prior to operation, SRI to ensure the <u>development and implementation</u> of an Operational Environmental and Social Management Plan (OESMP) in line with the Framework ESMP, to include the SRI's existing operational procedures as well as new E&S requirements to be introduced for Project maintenance. The OESMP will consist of the following subplans:</p> <ul style="list-style-type: none"> > Operational Biodiversity Management Plan > Operational Air Quality Management Plan > Operational Noise and Vibration Management Plan > Operational Water and Soil Management Plan > Operational Waste Management Plan > Operational Maintenance Plan > Operational Health, Safety and Security Plan > Operational Cultural Heritage Management Plan > Operational Emergency Preparedness and Response Plan > Gender Plan <p>The subplans should include all requirements and mitigation measures as specified in the Project ESMP.</p>	<ul style="list-style-type: none"> > Compliance with national and Lenders' requirements 	<ul style="list-style-type: none"> > National environmental regulations > National nature protection regulations > Law on Safety in Railway Operations > EBRD PR 1, PR 3, PR 4 > EIB Standards 1, 3, 5, 9 	<p><i>Resources:</i> SRI's internal resources or engagement of an external consultancy to develop OESMP subplans</p> <p><i>Investment needs:</i> SRI's internal resources or costs of engagement of external consultant</p> <p><i>Responsibility:</i> SRI</p> <p>Lenders: No-objection on the Operational Biodiversity Management Plan</p>	Prior to operational phase	<p><i>Target:</i></p> <ul style="list-style-type: none"> o Operational/ maintenance activities properly planned and implemented <p><i>Evaluation Criteria:</i></p> <ul style="list-style-type: none"> o OESMP subplans developed o Operational Biodiversity Management Plan sent to and approved by the Lenders o Information on OESMP subplans included in reports submitted to Lenders 	
1.9.	<p>Submit 6-monthly reports to Lenders including information on ESAP implementation progress during the construction phase, and annual reports during the operation phase as required by the Lenders.</p>	<ul style="list-style-type: none"> > Implementation of the ESAP to mitigate Project-related risks and fulfilment of the reporting 	<ul style="list-style-type: none"> > EBRD PR 1 > EIB Standard 1 > Respective E&S covenants in the legal agreements with the Lenders 	<p><i>Resources:</i> SRI's internal resources</p> <p><i>Investment needs:</i> None</p> <p><i>Responsibility:</i> PIU</p>	As per the loan agreement	<p><i>Target:</i></p> <ul style="list-style-type: none"> o Regular and on-time reporting to the Lenders <p><i>Evaluation criteria:</i></p> <ul style="list-style-type: none"> o Internal responsibility assigned for submission of reports to the Lenders 	

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	<p>Notify Lenders immediately of any significant Project related changes or any E&S incident or accident.</p>	<p>requirements to the Lenders</p>				<ul style="list-style-type: none"> ○ 6-monthly reports (during construction) and annual reports (during operation) as required by the Lenders, in the Lenders-approved format including ESAP implementation progress submitted 	
<p>EBRD PR 2: Labour and Working Conditions EIB Standard 8: Labour Rights</p>							
<p>2.1.</p>	<p>SRI to ensure that the Contractor develops and implements:</p> <ul style="list-style-type: none"> > a Construction Labour and Employment Plan (within the CESMP) with provisions detailed in the Framework ESMP, including the workers' grievance mechanism; > a Workers' Accommodation Management Plan (within the CESMP) in compliance with IFC/EBRD Guidance on Workers' accommodation: processes and standards (2009) and national requirements/ permits. <p>The Checklist on Workers' Accommodation (Annex I of the IFC/EBRD Guidance) to be filled in and sent to the Lenders.</p> <p>SRI to ensure independent labour audit of the Contractor is carried out at regular frequency (every 6 months) during construction works by an independent labour specialist in the Supervision Engineer's team (or engaged by the Supervision Engineer).</p>	<ul style="list-style-type: none"> > Fair treatment, non-discrimination, and equal opportunities of workers > Compliance with national labour and employment laws > Providing accessible and effective means to raise and address workplace concerns > Appropriate workers' accommodation 	<ul style="list-style-type: none"> > EBRD PR 2 > EIB Standard 8 > National legislation 	<p><i>Resources:</i> Contractor's internal resources</p> <p><i>Investment needs:</i> Contractual obligation of the Contractor</p> <p><i>Responsibility:</i> Contractor for development and implementation; PIU for supervision</p>	<p>Prior to start of construction</p>	<p><i>Target:</i></p> <ul style="list-style-type: none"> ○ Encouraging local employment ○ Adequate living and working conditions for workers provided ○ Enabling employees to raise workplace concerns <p><i>Evaluation criteria:</i></p> <ul style="list-style-type: none"> ○ CESMP including subplans developed prior to construction phase, reviewed and approved by the Supervision Engineer ○ Checklist on Workers' Accommodation sent to the Lenders ○ Independent labour specialist appointed in the Supervision Engineer's team and Lenders notified ○ Regular labour audits carried out and reported to the Lenders and corrective actions implemented 	

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2.2.	SRI to develop a plan for the prequalification and reallocation for staff currently employed in stations which are planned to be closed, with provisions to minimise any impacts on the workforce that will be reallocated in terms of level of pay and other benefits, years of service, types of contracts, etc.	<ul style="list-style-type: none"> > Fair treatment, non-discrimination and equal opportunities for workers > Compliance with national labour and employment laws 	<ul style="list-style-type: none"> > EBRD PR 2 > EIB Standard 8 > National legislation 	<p><i>Resources:</i> SRI's internal resources</p> <p><i>Investment needs:</i> SRI's internal resources</p> <p><i>Responsibility:</i> SRI</p>		<p><i>Target:</i></p> <ul style="list-style-type: none"> o Current staff which will need prequalification and reallocation provided with adequate new employment conditions <p><i>Evaluation criteria:</i></p> <ul style="list-style-type: none"> o Plan developed and information included in reports submitted to the Lenders o Reallocated workers provided with the same level of employment benefits or compensated 	
2.3.	SRI to develop a Gender Plan for the operation phase to mitigate gender related effects of the Project, with provisions defined in the Framework ESMP.	<ul style="list-style-type: none"> > Mitigating gender related effects of the Project > Enhancing gender equality 	<ul style="list-style-type: none"> > Best practice > EBRD PR 2, PR 4 > EIB Standard 8, 9 	<p><i>Resources:</i> SRI's internal resources</p> <p><i>Investment needs:</i> SRI's internal resources</p> <p><i>Responsibility:</i> SRI</p>	Plan developed prior to operational phase	<p><i>Target:</i></p> <ul style="list-style-type: none"> o Gender dimensions of the Project considered o Gender opportunities enhanced <p><i>Evaluation criteria:</i></p> <p>Plan developed by SRI prior to operation and information included in reports submitted to the Lenders</p>	
EBRD PR 3: Resource Efficiency and Pollution Prevention and Control EIB Standard 3: Resource Efficiency and Pollution Prevention EIB Standard 5: Climate Change							
3.1.	<p>SRI to transfer responsibility to the Contractor to conduct detailed geological and hydrogeological investigations as part of the Project Design Documents development and before the start of construction works.</p> <p>The Hydrogeological Excavation Code procedure shall be used, which foresees the development of preliminary studies and considers various excavation modes and procedures, as specified in the Framework ESMP.</p>	<ul style="list-style-type: none"> > Avoid risks to groundwater sources > Mitigate impact of groundwater to construction activities 	<ul style="list-style-type: none"> > Law on Water > EBRD PR 1 > EIB Standard 1 > EU Water Framework Directive > Best practices 	<p><i>Resources:</i> Contractor's internal resources or engagement of an external consultancy</p> <p><i>Investment needs:</i> Calculated in the price of construction works.</p>	Before the development of Main Design	<p><i>Target:</i></p> <ul style="list-style-type: none"> o Full compliance with national, EU and Lenders' policies <p><i>Evaluation criteria:</i></p> <ul style="list-style-type: none"> o Hydrogeological investigations conducted and conclusions included in the Main Design 	

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		> Compliance with national, Lenders' and EU requirements		<i>Responsibility:</i> Contractor – implementation; PIU – Supervision		<ul style="list-style-type: none"> Information on performed investigations and obtained permit(s) included in reports submitted to Lenders 	
3.2.	SRI to transfer the responsibility to the Contractor to conduct baseline surface water quality, groundwater quality, soil quality and noise monitoring as specified in the Framework ESMP ¹ .	<ul style="list-style-type: none"> All construction-related E&S issues and impacts are appropriately addressed Compliance with EBRD and EIB requirements 	<ul style="list-style-type: none"> EBRD PR 1, PR 3 EIB Standards 1, 3 and 5 	<i>Resources:</i> Contractor's internal resources or engagement of an external consultancy <i>Investment needs:</i> Calculated in the price of construction works. <i>Responsibility:</i> Contractor – implementation; PIU – supervision	Prior to construction works	<i>Target:</i> <ul style="list-style-type: none"> Full compliance with Lenders' requirements <i>Evaluation criteria:</i> <ul style="list-style-type: none"> Reports on water and soil quality, as well as noise monitoring prepared Information on performed monitoring included in reports submitted to Lenders 	
3.3.	SRI to transfer responsibility to the Contractor to recultivate the construction site after the completion of construction activities in line with the Construction Planting Management Plan.	> Compliance with national and Lenders' requirements	<ul style="list-style-type: none"> Law on Planning and Construction EBRD PR 3 EIB Standards 3 and 5 	<i>Responsibility:</i> SRI to transfer recultivation activities to the Contractor <i>Investment needs:</i> Recultivation activities calculated in the price of construction works <i>Resources:</i> Contractor – implementation; PIU – supervision	Prior to the closure of the construction site	<i>Target:</i> <ul style="list-style-type: none"> Ensuring appropriate landscape and waste management <i>Evaluation criteria:</i> <ul style="list-style-type: none"> Fully recultivated site after completion of construction Information to be included in reports submitted to Lenders 	
3.4.	SRI to update and continue to implement the Operational Waste Management Plan (OWMP) developed for all operations in the country including operation of the Belgrade-Nis section, that includes provisions on separate waste storage to avoid mixing of different types of waste (municipal, construction, paper, metal, oil and	<ul style="list-style-type: none"> Compliance with national, EBRD, EIB and EU requirements Best practice 	<ul style="list-style-type: none"> Law on Waste Management EBRD PR 3 EIB Standards 3 and 5 	<i>Resources:</i> SRI's internal resources or engagement of an external consultant <i>Investment needs:</i> Development of	OWMP updated prior operation phase and implemented continuously	<i>Target:</i> <ul style="list-style-type: none"> Adequate management of waste supported with evidence of contracts with authorised waste management companies 	

¹ Note: Sampling points and frequency of measurements shall be determined in the ESIA development stage for each subsection.

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	lubricants, tires etc.), separation of hazardous from non-hazardous waste, and recycling/reuse program for recyclable wastes, as defined in the Framework ESMP.		<ul style="list-style-type: none"> > Waste Framework Directive > Regulation 2018/1999 of the European Parliament and of the Council on the Governance of the Energy Union and Climate Action 	<p>OWMP – SRI’s internal resources or costs of engagement of an external consultant</p> <p><i>Responsibility: SRI</i></p>	during operation phase	<p><i>Evaluation criteria:</i></p> <ul style="list-style-type: none"> o Evidence of waste transfer to authorised waste management companies o Information to be included in reports submitted to Lenders 	
3.5.	<p>SRI to implement environmental protection activities in the operational phase regarding water, soil, air, noise and vibration in line with the requirements from the Framework ESMP.</p> <p>In case of dismantling the existing railway (at locations where the new route deviates from the existing one) and reuse of land for agricultural or sports-recreational purposes, ensure that the monitoring of soil quality is performed and in case of contamination, conduct soil decontamination activities.</p> <p>If required by responsible authorities, send regular monitoring reports to the authorities (e.g., in case of accidental spillages).</p>	<ul style="list-style-type: none"> > Pollution prevention > Compliance with national and Lenders’ requirements 	<ul style="list-style-type: none"> > National environmental regulations > EBRD PR 1, PR 3, PR 4 > EIB Standards 1, 3, 5, 9 	<p><i>Resources:</i> Environmental monitoring and decontamination activities will be subcontracted</p> <p><i>Investment needs:</i> Costs of authorised laboratory/consultancy</p> <p><i>Responsibility: SRI</i></p>	Continuously during operation phase	<p><i>Target:</i></p> <ul style="list-style-type: none"> o High-level environmental protection ensured <p><i>Evaluation criteria:</i></p> <ul style="list-style-type: none"> o Environmental monitoring reports by external laboratory and internal records on implementation of environmental protection measures o Information to be included in reports submitted to Lenders 	
3.6.	<p>SRI to carry out continuous monitoring of electricity consumption for all railway operation activities and in all facilities owned by SRI, with the aim of increasing energy efficiency and reducing GHG emissions.</p> <p>Adopt EBRD GET indicators and regularly monitor and calculate indicators related to GHG emissions.</p>	<ul style="list-style-type: none"> > Compliance with national, EBRD, EIB and EU requirements 	<ul style="list-style-type: none"> > National environmental regulations > EBRD PR 3 > EIB Standards 3 and 5 > Directive 2012/34/EU on establishing a single European railway area 	<p><i>Resources:</i> SRI’s internal resources</p> <p><i>Investment needs:</i> SRI’s internal resources</p> <p><i>Responsibility: SRI</i></p>	Continuously during operation phase	<p><i>Target:</i></p> <ul style="list-style-type: none"> o Increasing efficiency of SRI’s activities generating GHG emissions <p><i>Evaluation Criteria:</i></p> <ul style="list-style-type: none"> o % of electricity consumption reduction o % GHG emission reduction 	

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			<ul style="list-style-type: none"> > Regulation 2018/1999 of the European Parliament and of the Council on the Governance of the Energy Union and Climate Action 			<ul style="list-style-type: none"> o Information included in reports submitted to Lenders 	
<p>EBRD PR 4: Health, Safety and Security EIB Standard 9: Health, Safety and Security</p>							
4.1.	<p>Ensure that the Contractor:</p> <ul style="list-style-type: none"> > develops (within CESMP) the following sub-plans to manage occupational and community health and safety risks with the measures defined in the Framework ESMP: <ul style="list-style-type: none"> o Construction Health, Safety and Security Plan o Construction Air Quality and Dust Management Plan o Construction Noise and Vibration Management Plan o Construction Water and Soil Management Plan o Construction Waste Management Plan o Construction Traffic Management Plan o Construction Emergency Preparedness and Response Plan o Construction Workers' Code of Conduct 	<ul style="list-style-type: none"> > Safer working conditions during construction works > Ensuring community health and safety 	<ul style="list-style-type: none"> > EBRD PR 4 > EBRD Standard 9 > EU Railway Safety Directive > National legislation 	<p><i>Resources:</i> Contractor's internal resources</p> <p><i>Investment needs:</i> Contractual obligation of the Contractor</p> <p><i>Responsibility:</i> Contractor for development and implementation; PIU – approval of the subplans (CESMP) before start of construction works, then supervision</p>	Prior to start of construction	<p><i>Target:</i></p> <ul style="list-style-type: none"> o Full compliance with PR4 and national laws in the field of workers' and community health and safety <p><i>Evaluation criteria:</i></p> <ul style="list-style-type: none"> o CESMP including subplans developed prior to construction phase, reviewed and approved by the PIU/Supervision Engineer o Number of community and worker grievances raised during construction phase o Number of workers injuries o Number of traffic accidents o Number of local roads damaged and repaired 	

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						<ul style="list-style-type: none"> Information to be included in reports submitted to the Lenders 	
4.2	SRI to develop and implement an Operational Health, Safety and Security Plan (as part of the OESMP).	<ul style="list-style-type: none"> Safer working conditions during operation/maintenance works Ensuring community health and safety 	<ul style="list-style-type: none"> EBRD PR 4 EBRD Standard 9 EU Railway Safety Directive National legislation 	<p><i>Resources:</i> SRI's internal resources</p> <p><i>Investment needs:</i> SRI's internal resources</p> <p><i>Responsibility:</i> SRI</p>	Plan developed prior operation phase and implemented continuously during operation phase	<p><i>Target:</i></p> <ul style="list-style-type: none"> Full compliance with PR4 and national laws in the field of workers' and community health and safety <p><i>Evaluation criteria:</i></p> <ul style="list-style-type: none"> Plan prepared and implemented during the operational phase Information included in reports submitted to the Lenders 	
EBRD PR 5: Land Acquisition, Restrictions on Land Use and Involuntary Resettlement							
EIB Standard 6: Involuntary Resettlement							
5.1.	Develop and implement Resettlement Action Plans for each subsection in line with the Project's Resettlement Policy Framework.	<ul style="list-style-type: none"> Minimising resettlement impacts 	<ul style="list-style-type: none"> EBRD PR 5 EIB Standard 6 National Law on Expropriation 	<p><i>Resources:</i> SRI's internal resources</p> <p><i>Investment needs:</i> N/A</p> <p><i>Responsibility:</i> SRI</p> <p>Lenders for approval</p>	RAP implemented prior to any construction activities	<p><i>Target:</i></p> <ul style="list-style-type: none"> Resettlement-related impacts minimised <p><i>Evaluation criteria:</i></p> <ul style="list-style-type: none"> RAPs developed and approved by the Lenders RAPs fully implemented prior to any construction activities 	
5.2.	Upon completion of resettlement activities for each subsection, submit Land Acquisition and Resettlement Execution Reports to EBRD for approval	<ul style="list-style-type: none"> Proper monitoring of displacement impacts 	<ul style="list-style-type: none"> EBRD PR 5 EIB Standard 6 	<p><i>Resources:</i> SRI's resources</p> <p><i>Investment needs:</i> Engagement of external qualified resettlement specialists</p> <p><i>Responsibility:</i> PIU</p>	After completion of all resettlement activities	<p><i>Target:</i></p> <ul style="list-style-type: none"> Completion of land acquisition activities and their compliance with Lenders' requirements verified <p><i>Evaluation criteria:</i></p> <ul style="list-style-type: none"> Land Acquisition and Resettlement Execution Reports sent to EBRD and approved 	

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EBRD PR 6: Biodiversity Conservation and Sustainable Management of Living Natural Resources							
EIB Standard 4: Biodiversity and Ecosystems							
6.1.	SRI to ensure that the Contractor develops a Construction Biodiversity Management Plan (within CESMP) with measures provided in the ESMP.	> Compliance with national and EBRD/EIB requirements	> EBRD PR 6 > EIB Standard 4	<i>Resources:</i> Contractor's internal resources <i>Investment needs:</i> Contractual obligation of the Contractor <i>Responsibility:</i> Contractor for development and implementation of Construction Biodiversity Management Plan; PIU for supervision	Plan developed prior to construction	<i>Target:</i> ○ Biodiversity in the Project area protected <i>Evaluation criteria:</i> ○ Construction Biodiversity Management Plan developed by Contractor ○ Plan sent to and approved by the Lenders ○ Contractor's staff trained in line with Training Plan ○ Plan action/ monitoring outcomes reported monthly ○ Ecological Clerk of Works (ECOW) approval reports that confirm alignments have been checked and cleared prior to access ○ Information to be included in reports submitted to the Lenders	
6.2	SRI to develop and implement an Operational Biodiversity Management Plan (as a part of the OESMP) with measures provided in the ESMP to be used by SRI and/or maintenance contractors during any maintenance activities.	> Compliance with national and EBRD/EIB requirements	> EBRD PR 6 > EIB Standard 4	<i>Resources:</i> Engagement of external qualified biodiversity specialists <i>Investment needs:</i> SRI's internal resources <i>Responsibility:</i> SRI	Plan developed prior to operation phase and implemented during operation phase	<i>Target:</i> ○ Biodiversity in the Project area protected <i>Evaluation criteria:</i> ○ Plan prepared by SRI and implemented by SRI and/or maintenance contractor ○ Plan sent to and approved by the Lenders ○ Information to be included in reports submitted to the Lenders	

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EBRD PR 8: Cultural Heritage							
EIB Standard 10: Cultural Heritage							
8.1.	<p>SRI to obtain the opinions of relevant institutes for cultural heritage protection within the procedure of obtaining Location Conditions.</p> <p>SRI to ensure that the Contractor develops a Cultural Heritage Management Plan (within CESMP) with measures provided in the Framework ESMP and consults with relevant institutes for cultural heritage protection and local authorities as specified in the Framework ESMP.</p>	<ul style="list-style-type: none"> > Minimising risks to cultural heritage 	<ul style="list-style-type: none"> > EBRD PR 8 > EIB Standard 10 > National legislation 	<p><i>Resources:</i> SRI's and Contractor's internal resources</p> <p><i>Investment needs:</i> Contractual obligation of the Contractor</p> <p><i>Responsibility:</i> Contractor for development and implementation of Cultural Heritage Management Plan; PIU for supervision</p>	Plan developed prior to construction	<p><i>Target:</i></p> <ul style="list-style-type: none"> o Cultural heritage in the Project area protected <p><i>Evaluation criteria:</i></p> <ul style="list-style-type: none"> o Consents of the relevant institutes for cultural heritage protection obtained o Cultural Heritage Management Plan developed by Contractor o Contractor's staff trained in line with Training Plan o Consultations with local authorities documented o Information included in reports submitted to the Lenders 	
8.2.	<p>SRI to develop and implement an Operational Cultural Heritage Management Plan (as a part of the OESMP) to be used by SRI and/or maintenance contractors during any maintenance activities.</p> <p>SRI to liaise with the relevant institutes for cultural heritage protection as needed during operation/maintenance.</p>	<ul style="list-style-type: none"> • Minimising risks to cultural heritage 	<ul style="list-style-type: none"> > EBRD PR 8 > EIB Standard 10 > National legislation 	<p><i>Resources:</i> SRI's internal resources</p> <p><i>Investment needs:</i> SRI's internal resources</p> <p><i>Responsibility:</i> SRI</p>	Plan developed prior to operation phase and implemented during operation phase	<p><i>Target:</i></p> <ul style="list-style-type: none"> o Cultural heritage in the Project area protected <p><i>Evaluation criteria:</i></p> <ul style="list-style-type: none"> o Plan prepared by SRI and implemented by SRI and/or maintenance contractor o Information included in reports submitted to the Lenders 	
EBRD PR 10: Information Disclosure and Stakeholder Engagement							
EIB Standard 2: Stakeholder Engagement							

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10.1.	<p>For each subsection, include subsection specific stakeholder identification and engagement arrangements in the Corridor SEP appendix.</p> <p>Implement (and update) the Stakeholder Engagement Plan (SEP) to ensure that sufficient information about issues and impacts arising from the Project are disclosed in a timely manner and that all stakeholders are consulted in a meaningful way throughout Project implementation.</p> <p>The SEP (or stakeholder engagement activities) requires implementation throughout the entire project cycle, including project preparation.</p> <p>Implement the grievance mechanism as defined in SEP to ensure stakeholders are able to raise their concerns about the Project and that these concerns are addressed promptly. Ensure that the Contractor implements the grievance management provisions.</p> <p>Ensure that the municipal/city authorities appoint a Community Liaison Officer (as defined in the SEP). SRI's Community Relations Lead - Media Centre will be in charge of communicating with the Community Liaison Officers.</p> <p>Carry out stakeholder engagement monitoring and reporting as defined in SEP (maintaining a Stakeholder Engagement Log, preparing monitoring reports for the Lenders based on the listed indicators, and reporting back to stakeholder groups).</p> <p>During the final design stage, ensure that the municipal/city authorities on each subsection are consulted on the issues of closure/upgrading of level crossings and underpass/overpass sufficiency, dimensions and safety considerations, and hold meetings in local communities for each subsection to clearly present all planned underpasses and overpasses, hear the views of local residents in</p>	<ul style="list-style-type: none"> > Compliance with EBRD/EIB requirements > Management of risks and impacts on communities affected by the Project 	<ul style="list-style-type: none"> > EBRD PR10 > EIB Standard 2 > UNECE Convention on Access to Information, Public Participation in Decision-Making and Access to Justice in Environmental Matters 	<p><i>Resources:</i> SRI's internal resources</p> <p><i>Investment needs:</i> SRI's internal resources</p> <p><i>Responsibility:</i> PIU</p>	<p>SEP approval and publication as soon as the loan is signed</p> <p>Implementation: Continuously</p>	<p><i>Target:</i></p> <ul style="list-style-type: none"> o Meaningful engagement of stakeholders <p><i>Evaluation criteria:</i></p> <ul style="list-style-type: none"> o All stakeholder meetings documented o Monitoring reports on the results of the stakeholder engagement process o CESMP and OESMP contain grievance management measures o Information on community grievances included in reports submitted to the Lenders 	

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	relation to access to their land and make changes if possible to accommodate their needs.						
10.2.	Once the subsection specific ESAs have been developed, and to mitigate the impacts of closure of stations/halts on local population living in settlements with no other organised means of public transportation, SRI needs to liaise with the local authorities to agree on and organise alternative transport options such as minibus lines for these villages or other forms of transport.	<ul style="list-style-type: none"> > Ensuring mobility of village population after stations/halts are closed along the existing railway line 	<ul style="list-style-type: none"> > Best practice 	<p><i>Resources:</i> SRI and municipality/city budgets</p> <p><i>Investment needs:</i> N/A</p> <p><i>Responsibility:</i> SRI</p>	Prior to closure of stations/halts	<p><i>Target:</i></p> <ul style="list-style-type: none"> ○ Alternative transport options for local population in villages provided <p><i>Evaluation criteria:</i></p> <ul style="list-style-type: none"> ○ Meetings with local authorities documented ○ Alternative transport organised prior to closure of stations/halts ○ Lenders notified 	