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Motorway on Corridor Vc – from Interchange Johovac to
Interchange Vukosavlje (36km)

ENVIRONMENTAL AND SOCIAL ACTION PLAN

March 2022



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List of Abbreviations

ARS	Motorways of Republika Srpska
AESR	Annual Environmental and Social Report
BiH	Bosnia and Herzegovina
BMP	Biodiversity Management Plan
BSR	Biodiversity Screening Report
CA	Contracting Authority
CESMP	Construction Environmental and Social Management Plan
CONNECTA	Technical Assistance to Connectivity in the Western Balkans
E&S	Environmental and Social
EBRD	European Bank for Reconstruction and Development
EC	European Commission
ESAP	Environmental and Social Action Plan
ESMS	Environmental and Social Management System
EU	European Union
EUR	Euro (currency)
FBiH	Federation of BiH (entity)
GIP	Good International Practice
HSMS	Health and Safety Management System
IBA	International Birds Association
OESMP	Operational Environmental and Social Management Plan
OHSAS	Occupational Health and Safety Assessment Series
PM	Project Manager
RAP	Resettlement Action Plan
RBRP	River Bosnia Regulation Project
REG	Regional
RFA	Request for Approval
RoS	Republic of Srpska (entity of BiH)
RP	Regional Participant
RS	Republic of Srpska
RSA	Road Safety Audit
SEP	Stakeholder Engagement Plan
SHPPS	Small Hydropower Plants

ENVIRONMENTAL AND SOCIAL ACTION PLAN

The table below constitutes the ESAP. It identifies the required actions during pre-construction, construction and operation of the project. Implementation of the actions is the responsibility of JP Autoputevi Republike Srpske (ARS). When contractors perform work under contract, ARS will be responsible for those contractors' compliance with the requirements of the ESAP.

No	Environmental & Social Action	E&S Risks/ Benefits	Requirement (Legislative, EIB Standard, Best Practice)	Resources, Investment Needs, Responsibilities	Timetable	Target and Evaluation Criteria for Successful Implementati on	Status
Standard 1: Assessment and Management of E&S Impacts and Risks							
1.1	<p>Ensure that Requirements from EIA, Ecological Permit, ESAP and ESMP are included in Tender Documents:</p> <p>ARS will ensure that the Tender Documents prepared for the Project include the following:</p> <ul style="list-style-type: none"> - All requirements of the EIAs, and the Ecological Permit which apply to this Project, as well as the requirements of this ESAP, the Environmental and Social Management Plan (ESMP), the Stakeholder Engagement Plan (SEP), the Resettlement Action Plan (RAP), including the Grievance Mechanism (GM). - A clear requirement for the Contractor to develop a full Construction Environmental & Social Management Plan (CESMP) which includes the following sub-plans: Contractor's ESHS Management, Security and Site Access Plan, Biodiversity Management Plan, Community Health and Safety Management Plan, Waste Management Plan, Hazardous 	<p>All construction-related environmental and social issues and impacts are appropriately addressed.</p> <p>Compliance with EIB's Standards.</p>	<p>Law on Environmental Protection of RS</p> <p>EIBS1: Assessment and Management of Environmental and Social Impacts and Issues.</p> <p>EIBS2: Pollution Prevention and Abatement.</p> <p>EIBS3: EIB Standards on</p>	<p>Responsibility: ARS.</p> <p><i>Resources:</i> In house (ARS).</p>	<p>Tender Documents to be prepared and issued in accordance with ARS's Project schedule.</p> <p>Engineer to be procured to begin in parallel with design-and-build contract.</p>	<p>Tender Documents containing all specified requirements, available for review by EIB.</p> <p>Supervising Engineer to have reviewed and approved that plans meet EIB's Standards or Good International Practice (GIP) where appropriate.</p>	

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	<p>Materials Management Plan, Emergency Preparedness & Response Plan, Covid-19 Plan, Occupational Health and Safety Management Plan, Workers Accommodation Plan, Training and Competency Plan, Supplier and Vendor Management Plan, Local Recruitment and Employment Plan, Water and Wastewater Management Plan, Pollution Incidents Response Plan, Soil Erosion Management Plan, Dust Suppression Plan, Noise and Vibrations Management Plan, Transport and Road Safety Management Plan, Borrow Management Plan (which details the expected volumes and locations of spoil generation, planned locations and methods for storage and disposal, and mitigation methods and procedures to be followed), Method Statement for Working in and close to Watercourses (setting out how the river flow will be maintained during the works, how water quality will be protected, and including an approach to maintenance of plant and machinery taking into account the requirements to avoid pollution to the ground and watercourses).</p>		<p>Biodiversity and Ecosystems.</p> <p>EIBS9: Health & Safety</p>			<p>CESMP implementation supervised by Engineer.</p> <p>Monthly reports to ARS from Engineer during construction.</p> <p>Annual Report to EIB.</p>	

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	<ul style="list-style-type: none"> - All EIB's E&S requirements for construction projects, including reporting requirements. - A change management process whereby any changes or design proposals from the Contractor are adequately reviewed and assessed by the Engineer (and ARS) for environmental and social implications, and any additional mitigation measures identified and applied. - A requirement that the Contractor consults affected communities about the final location of all underpasses and local service roads while developing the detailed design. - A requirement that the Engineer and Contractor agree the specific Construction phase monitoring programme, based on the Ecological Permit, and agree specific monitoring locations for all parameters (in accordance with ESMP). 						
1.2	ARS to request the Statement from the Competent Authority for Environment in relation to (i) screen in/out the amended physical scope from any further	All construction -related	Directive 2011/92/EU on the	Responsibility: ARS.	Prior to launching Tender;	Competent Authority for Environment	Done. Evidence: Statement of the Ministry

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	<p>regulatory EIA procedure (e.g. junctions and possibly local access), and (ii) confirmation that the information included in previous EIA reports (approved in 2011 for LOT 2, and 2014 for LOT 1) remains accurate and relevant, and properly reflects inter alia the baseline conditions, legal requirements, current knowledge and methods of assessment.</p> <p>This request is driven by the EIA Directive, art. 8 (6) which imposes the Competent Authority to be satisfied that the reasoned conclusion (EIA decision), or any of the decisions (issued in the context of issuing the development consent), is still up to date when taking a decision to grant development consent.</p>	<p>environmental and social issues and impacts are appropriately addressed.</p> <p>Compliance with EIB's Standards.</p>	<p>assessment of the effects of certain public and private projects on the environment, Article 8 (6);</p> <p>EIBS3: EIB Standards on Biodiversity and Ecosystems.</p>	<p><i>Resources:</i> In house (ARS).</p>		<p>issued the renewed Consent that EIA for the project is still up to date;</p>	<p>of Spatial Planning, Construction and Environment from 13/12/2021</p>
1.3	<p>Ensure that Information on the project status is available to River Bosnia Regulation Project (RBRP):</p> <p>ARS to contact the agency responsible for the RBRP, including the construction of several proposed small hydro power plants (SHPPs) and ensure that if the Project development is restarted, ARS will be informed. ARS will then provide all updated information on the Roads Project to RBRP, including as built drawings, and any updated flood studies.</p>	<p>Possible cumulative effects related to the RBRP are understood and addressed.</p>	<p>EIBS1: Assessment and Management of Environmental and Social Impacts and Issues.</p>	<p>Responsibility: ARS.</p> <p><i>Resources:</i> In house (ARS).</p>	<p>During Tender process, so RBRP is informed of Project implementation status.</p>	<p>Minutes of Meeting with RBRP, and contact details.</p>	

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1.4	<p>Establish an Environmental and Social Management System (ESMS):</p> <p>ARS to continue to develop its ESMS system, in line with ISO14001 or other internationally recognised standard. The ESMS should cover all aspects of ARS's operations, including roads construction, operation, and its own internal institutional operations.</p>	All ARS's E&S risks are appropriately addressed and actions tracked.	EIBS1: Assessment and Management of Environmental and Social Impacts and Issues.	<p>Responsibility: ARS.</p> <p><i>Resources:</i> In house, may need to identify small budget.</p>	To be agreed with EIB. Ideally, by the time of commissioning the new road.	ESMS documentation, including provisions for and results of monitoring related to the Project implementation.	
1.5	<p>Operational Environmental and Social Management Plan (OESMP):</p> <p>ARS to develop and implement an OESMP for the Project to include management and monitoring actions for road operation as required in the EIAs, the Ecological Permit, by EIB in the ESAP, and from the Contractor's recommendations. This should also address the responsibility for implementation and supervision of OESMP actions. The OESMP should be costed so that an annual budget can be established.</p>	E&S risks during road operation.	EIBS1: Assessment and Management of Environmental and Social Impacts and Issues.	<p>Responsibility: ARS.</p> <p><i>Resources:</i> ARS to budget for ongoing OESMP and monitoring actions.</p>	OESMP to be developed prior to commencement of operation of the road.	<p>OESMP document available before operation begins.</p> <p>Supervising Engineer to have reviewed and</p>	

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						<p>approved that plans meet EIB's Standards or Good International Practice (GIP) where appropriate.</p> <p>Annual Report to EIB.</p>	
1.6	<p>Community Compensation Plan.</p> <p>ARS to develop a plan for community compensation in case of significant nuisance caused by increased transport and traffic through local communities during construction or other significant impacts. Compensation will include implementation of small development projects (repairs of community infrastructure, construction of a playground, etc.) to be discussed and agreed with affected communities.</p>	<p>Compliance with internationally accepted social standards.</p>	<p>EIBS1: Assessment and Management of Environmental and Social Impacts and Issues.</p>	<p>Responsibility: ARS & Contractor.</p> <p><i>Resources:</i> ARS to budget for community compensation.</p> <p>Contractor to include costs in Bid Price.</p>	<p>Plan to be developed after review of TMP, prior to commencement of construction.</p> <p>In case of significant impacts / nuisances</p>	<p>Plan developed and approved by ARS</p> <p>Report implementation progress in AESR to EIB.</p>	

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					during construction, the plan may be expanded to cover more communities		
Standard 2: Pollution Prevention and Abatement							
2.1	<p>Noise Barriers:</p> <p>ARS shall ensure that the requirements to design and build noise barriers are included in Tender Documents. The Contractor shall be obliged to conduct the Noise Study and to incorporate the results into the Noise Protection Design (which is part of the Detailed Design and subject to approval by the State Review Commission). The Noise Study must include the appropriate day-time and night-time noise measurement near representative receptors, and noise modelling along the alignment. Based on the results of the Noise Study, the need for the noise barriers, their location and technical details (height, parameters, etc) shall be determined.</p>	All ARS's E&S risks are appropriately addressed and actions tracked.	<p>EIBS2: Pollution Prevention and Abatement.</p> <p>RS Rulebook on allowed sound intensity and noise levels, 1989.</p>	<p>Responsibility: ARS.</p> <p>Resources: Once specified, will be part of Project cost proposed by Contractor.</p>	To be part of design and build Contractor's output.	<p>Detailed Design related to noise protection reviewed and approved by State Review Commission, Supervising Engineer.</p> <p>Affected local receptors</p>	

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	Communities close to where noise barriers will be installed will be consulted in advance (see SEP).					consulted and their feedback incorporated in final design.	
2.2	<p>Environmental Monitoring and Compliance</p> <p>Environmental monitoring of water quality, air quality and noise parameters is already a requirement in the Ecological Permit, but where the environmental limits required in the EU acquis are more stringent than in RS, the EU requirements should be met.</p>	Compliance with internationally accepted environmental standards.	EIBS2: Pollution Prevention and Abatement.	<p>Responsibility: ARS.</p> <p><i>Resources:</i> For construction monitoring, costs will be borne by Contractor. For operation, costs met from ARS's ongoing operations monitoring budget.</p>	During construction and operation phases. Construction phase requirement to be included in tender documents	<p>Reported in Contractors monitoring programme, via Supervising Engineer (for construction), and in ARS's annual submission to Pollution Register.</p> <p>Included in annual report to EIB.</p>	

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Standard 3: Biodiversity and Ecosystems							
3.1	<p>Issuing the Opinion of Competent Authority for Nature Conservation:</p> <p>ARS is to submit the request to the competent authority for nature conservation for the new Opinion, whilst providing the new documentation (BAR, 2021 and BMP Section of the ESMP, both prepared by Connecta) and new information about the project. ARS to follow up on this.</p> <p>As a result, nature conservation authority to fill Form A (Declaration by the authority responsible for monitoring sites of nature conservation importance);</p>	<p>Compliance with local legislation and relevant EU Directives</p> <p>Compliance with EIB Standards.</p>	<p>EU Habitats Directive 92/43/EEC</p> <p>EIBS3: EIB Standards on Biodiversity and Ecosystems.</p>	<p>Responsibility: ARS.</p> <p>Resources: ARS staff.</p>	Prior to launching the Tender	Form A filled by competent authority for nature conservation	Done. Evidence: Signed Declaration (Form A) by the national authority for nature conservation from 20/12/2021
3.2	Protection of a potential Annex I Priority Habitat (EU Habitats Directive):	Protection of a potential Annex I Priority	EIBS3: EIB Standards on Biodiversity and Ecosystems.	Responsibility: ARS & Contractor.	Prior to approval of the Detailed Design.	Design showing minimized conflict between	

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	<p>ARS to ensure that the future Contractor has considered all possibilities in the Detailed Design, in order to avoid or minimize damage to alder wood (especially in the zone of interchange Trebava near the village of Kozuhe). Take steps to amend the design to avoid removal, destruction or damage to the trees. Such measures could include, for example: realigning the motorway alignment by the necessary number of metres, or adding a section of vertical retaining wall for this stretch, rather than a sloped embankment, to reduce the aerial land take and avoid the copse.</p> <p>The avoidance and mitigation measure should be considered in the Detailed Design also for muddy and gravel river banks.</p>	Habitat (EU Habitats Directive):		Resources: Specialist consultant & ARS staff.		interchange Trebava alignment and alder copse/river banks	
3.3	<p>Biodiversity Management Plan:</p> <p>ARS will develop and implement a Biodiversity Management Plan (BMP) to ensure that construction activities (and future operations) meet the Habitat Directive's No Net Loss requirements for Priority Biodiversity Features. The BMP will include a suite of standard on-site mitigation measures aimed at</p>	Compliance with local legislation and relevant EU Directives	EIBS1: Assessment and Management of Environmental and Social	<p>Responsibility: ARS & Contractor.</p> <p>Resources: Specialist consultant & ARS staff.</p>	<p>Prior to approval of the Detailed Design.</p> <p>BMP to be updated prior to</p>	Tender Documents containing all specified requirements , available for review by EIB.	

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	<p>avoiding/minimising/mitigating impacts to Priority Biodiversity Features (as identified in the Biodiversity Assessment Report, 2021). The BMP should include good industry practices related to road mitigation, as well as providing specific guidance on:</p> <ul style="list-style-type: none"> - Flora/fauna surveys to be completed by qualified ecologists prior to vegetation clearance in the right of way, to confirm adequacy of mitigation measures proposed in the EIA and Biodiversity Screening Report (2021); - Construction scheduling to avoid impacting species and habitats of conservation importance throughout the year (e.g. bird nesting periods); - Site specific restrictions when working near water / within riparian areas; - Measures to protect birds (including fence / noise barrier design); - Installation of wildlife friendly culverts at the 8 streams listed in the Screening Report: (see Annex 12, Maps 10 and 11 of BAR, 2021) 	<p>Good Industry Practice.</p> <p>Compliance with EIB Standards.</p>	<p>Impacts and Issues.</p> <p>EIBS3: EIB Standards on Biodiversity and Ecosystems.</p>		<p>Operations and implemented by ARS.</p>	<p>Supervising Engineer to have reviewed and approved that plans meet EIB's Standards or Good International Practice (GIP) where appropriate.</p> <p>CESMP implementation supervised by Engineer.</p> <p>Monthly reports to ARS from Engineer</p>	

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	<ul style="list-style-type: none"> - Installation of at least one dedicated animal pass to run under the Motorway embankment at the location of one of the three zones identified in BAR 2021, as potentially vulnerable in respect to fauna. (1-Kožuhe-Osječani, 2-Podnovlje - Dugo Polje or 3-Jakeš – Botajica) - Development and implementation of a Reinstatement Plan, including Key Performance Indicators (KPIs) which qualify/quantify successful revegetation; and - Monitoring Plan, including monitoring parameters, frequency & reporting. <p>The BMP will need to be updated by ARS to address future operations.</p>					<p>during construction.</p> <p>Updated BMP for operations.</p> <p>Annual Report to EIB.</p>	
3.4	<p>Borrow Management Plan:</p> <p>ARS to ensure that Tender Documents specify that the Contractor's Borrow Management Plan (see 1.1) should include: location of proposed extraction sites, plan for access, dust management on access roads, stockpile locations and management, and plan for</p>	Degradation of water quality and river bed in watercourses.	EIBS3: EIB Standards on Biodiversity and Ecosystems.	<p>Responsibility: ARS</p> <p>Resources: Contractor to include costs in Bid Price.</p>	<p>Requirement included in Tender Documents.</p> <p>Plan ready for approval</p>	<p>Appropriate section in Tender Documents.</p> <p>Borrow Management</p>	

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	rehabilitation of sites, commitments to obtain all regulatory approvals, and a prohibition on establishing new borrow locations in the River Bosna watercourse. This Plan should also establish that taking material from the river basin is only to be done from existing, permitted extraction facilities, where there is clear, specific approval from the authorities. In addition, the Engineer should verify that the borrow pit will not affect any aquatic habitats identified and mapped in the Screening Exercise. The Contractor is not permitted to open new extraction pits within the river basin.				before works begin.	Plan approved by Engineer.	
Standard 4: Climate-Related Standards							
4.1	<p>Climate Risk Vulnerability of the Project:</p> <p>ARS to ensure that the D&B Contractor undertakes a review and recheck of the current Main Design (input parameters and constraints) related to flooding, landslides, erosion, and extreme weather events, and incorporate the updates into the Detailed Design. The updated flood levels and flow rates (considering increased frequency and amount of intensive precipitation) should be used to recheck and re-design road assets (bridges, culverts and surface drainage, the cross drainage of the road) where/if</p>	<p>Minimizing the climate risk to the project infrastructure and operation;</p> <p>Risks to nearby environment from</p>	<p>EIBS4: Climate related standards</p> <p>EIBS2: Pollution Prevention and Abatement.</p>	<p>Responsibility: ARS.</p> <p>Resources: Contractor to include implementation costs in Bid Price.</p>	<p>Requirement included in Tender Documents</p>	<p>Appropriate section in Tender Documents.</p> <p>Detailed Design approved by State Review Commission and other</p>	

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	<p>necessary, to be sufficient for the predicted water flows. The proposal for additional resilience (updates of the current design) are prepared as a result of the communication that Connecta had with the river basin authority, and are listed in the Table 15 of the CRVA Report (2021, Connecta)</p> <p>Recheck of the Design should be done in conjunction with the river basin authority (who is currently preparing the Flood Risk Management Plan, expected to be completed in the course of 2022);</p>	Project-related flooding;				relevant stakeholders , including river basin authority.	
Standard 5: Cultural Heritage							
5.1	<p>Agreement with the cultural heritage authorities regarding protection of the Dobor Tower cultural heritage:</p> <p>ARS to engage with cultural heritage authorities regarding agreement on essential protective measures and procedures related to protection and rehabilitation of Dobor Tower cultural heritage. Beyond essential protection measures, negotiate and agree possible additional improvement measures such as better access and perhaps parking.</p>	<p>Compliance with cultural heritage legislation</p> <p>Compliance with EIB Standards.</p>	<p>Law on Cultural Heritage, Law on Planning and Construction of RS</p> <p>EIBS5: Cultural Heritage.</p> <p>Best Practice</p>	<p>Responsibility: ARS.</p> <p>Resources: ARS staff.</p>	<p>Renewed Opinion /Consent prior to launching of the tender</p> <p>Agreement for additional improvement t to be reached before</p>	<p>Renewed Opinion/Consent in Tender Documents.</p> <p>Improvement agreement made with local stakeholders and authorities</p>	<p>Done with regard to essential measures, Evidence: Letter of the Republic Institute for Cultural Heritage from 16/12/2021</p>

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	Cultural heritage authority to issue an updated Opinion and Consent in line with latest plans and technical solutions.				construction in the area of Dobor Tower.		
5.2	<p>Protection and Rehabilitation of Dobor Tower cultural heritage:</p> <p>ARS to ensure that previous investigation works, protective measures, procedures, and all other actions related to protection and rehabilitation of Dobor Tower cultural heritage, in accordance with the requirements of the Ecological Permit and the agreement on possible improvements (improved access, parking) reached with local stakeholders, are implemented, and that sufficient details on this are included in the Tender Documents. Enforcement of this obligations to be supervised by the ARS, Engineer and the competent national authority for cultural heritage.</p>	<p>Minimizing the risk to damage the medieval Dobor Tower heritage site</p> <p>Positive project image with local population and authorities</p>	<p>Decision 75/08 OG of BiH</p> <p>Ecological Permit</p> <p>EIBS5: Cultural Heritage.</p> <p>Best Practice</p>	<p>Responsibility: ARS.</p> <p>Resources: Contractor to include implementation costs in Bid Price.</p>	Requirement included in Tender Documents.	Appropriate section in Tender Documents.	
5.3	<p>Chance Find Procedures:</p> <p>ARS shall require the Contractor to include in his Construction Environmental and Social Management</p>	Minimising risks to cultural	EIBS5: Cultural Heritage.	Responsibility: ARS.	Requirement included in Tender Documents.	Appropriate section in Tender Documents.	

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	Plan, a section on the procedures to be taken to ensure the protection of any known cultural heritage resources in the Project area, and implement a Chance Find Procedure, in accordance with the requirements of the Ecological Permit. Chance find procedure to be supervised by the ARS, Engineer and the competent national authority for archaeology.	heritage sites.		Resources: Contractor to include implementation costs in Bid Price.	Plan ready for approval before works begin.	Chance find procedure supervised by the ARS, Engineer and the competent national authority for archaeology.	
Standard 6: Involuntary Resettlement							
6.1	<p>Implementation of the Resettlement Action Plan.</p> <p>The plan includes findings from the land acquisition audit carried out by the ESDD team and activities which need to be implemented to complete currently known land acquisition for the project as well as any land needed in the future, as a result of design updates and changes. If the additional land acquisition is significant a RAP Annex shall be developed, publicly disclosed and implemented.</p> <p>ARS will ensure the operation of an effective and efficient GM to address any complaints related to</p>	Land acquisition compliant with ESS6	<p>Expropriation Law of RS, other applicable legislation</p> <p>EIBS6: Involuntary Resettlement.</p> <p>EIBS7: Rights and Interests</p>	<p>Responsibility: ARS.</p> <p>Resources: ARS</p> <p>If needed, ARS will involve representatives</p>	<p>Before construction starts.</p> <p>During the project cycle</p>	Report implementation progress in AESR to EIB.	

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	<p>compensation, resettlement, social issues, complaints from affected community, in a timely manner.</p> <p>Grievance Log will be maintained to keep accurate records and incorporate grievance management in project progress reports.</p> <p>ARS is to appoint a RAP Manager who will be in charge of RAP implementation and reporting.</p>		of Vulnerable Groups.	of the relevant local community or other mutually agreed third party, to participate in the grievance resolution process			
Standard 7: Rights and Interests of Vulnerable Groups							
7.1	<p>Monitor the implementation of the SEP and update it as needed. Organise regular consultations to keep project affected communities and vulnerable individuals / households informed on their rights and benefits and encourage their participatory involvement.</p> <p>Develop mitigation measures for vulnerable individuals / households identified during RAP implementation, as well as during construction works.</p>	Improvement in documenting assistance for vulnerable groups	<p>EIBS6: Involuntary Resettlement.</p> <p>EIBS7: Rights and Interests of Vulnerable Groups.</p>	<p>Responsibility: ARS and Contractor.</p> <p>Resources: ARS</p>	Before construction starts and during the project cycle.	Report implementation progress in AESR to EIB.	

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	Provide needed assistance to any vulnerable groups directly and/or indirectly affected by the proposed road project						
Standard 8: Labour Standards							
8.1	<p>Development and implementation of HR Policy.</p> <p>ARS to require Contractor to prepare and implement an HR Policy, to include all provisions listed in EIB ESS8, including provisions for ensuring equal opportunities in employment, announcing vacancies in local communities and employing local workforce wherever possible, if their professional education and work experience meet the requirements of the announced position..</p>	<p>Effective and improved HR workforce management</p> <p>Local economic benefits</p>	<p>Labour Law of RS, other applicable legislation</p> <p>EIBS8: Labour Standards.</p> <p>Good practice</p>	<p>Responsibility: ARS to develop requirements in Tender, Contractor responsible to implement during Construction.</p> <p>Resources: Contractor.</p>	<p>Prior to finalisation of Tender Documents and during construction.</p>	<p>HR Policies in place, approved by Supervising Engineer and implemented</p> <p>Local employment during construction should be recorded by Contractor and submitted to Supervising Engineer.</p>	

No	Environmental & Social Action	E&S Risks/ Benefits	Requirement (Legislative, EIB Standard, Best Practice)	Resources, Investment Needs, Responsibilities	Timetable	Target and Evaluation Criteria for Successful Implementati on	Status
						Include in annual AESR report to EIB.	
Standard 9: Occupational and Public Health, Safety and Security							
9.1	<p>Health & Safety Management System</p> <p>Develop and implement an occupational health and safety management system in accordance with the ISO 45001 standard (or similar).</p>	Improvement of HS management through a formalised system	EIBS9: Occupational and Public Health, Safety and Security.	<p>Responsibility: ARS</p> <p>Resources: In house and external consultant support</p>	Preferably prior to construction	Implemented HSMS, certified to ISO 45001 (or similar)	
9.2	<p>Occupational H&S Management Plan During Construction:</p> <p>ARS to ensure that the Contractor will establish a Health and Safety Management Plan during construction with special focus on (but not limited to): movement of vehicles and traffic management, working at heights, working in confined spaces, working with hazardous material (e.g. explosives), management of electrical hazards, prevention of</p>	Safe working environment and improved HS performance of contractors	<p>Local regulatory requirements</p> <p>EIBS9: Occupational and Public Health, Safety and Security.</p>	<p>Responsibility: Contractor</p> <p>Review by Supervised Engineer.</p> <p>Resources: Contractor –</p>	Plan must be approved by ARS and Local Authority, and by the Supervising Engineer before construction.	Documented Health & Safety Plan - ongoing health & Safety statistics and data.	

No	Environmental & Social Action	E&S Risks/ Benefits	Requirement (Legislative, EIB Standard, Best Practice)	Resources, Investment Needs, Responsibilities	Timetable	Target and Evaluation Criteria for Successful Implementati on	Status
	<p>unintended ground movements and collapse, and biological hazards (e.g. poisonous snakes). Develop a Hazardous Materials Safety Plan as part of the H&S Plan.</p> <p>Include contractual conditions to ensure that all sub-contractors follow and implement the H&S Construction Plan.</p>			Designated OHS Manager.	Implemented during the construction phase.	<p>Provide updates to ARS on implementation</p> <p>ARS to report on updates in AESR to EIB.</p>	
9.3	<p>Occupational H&S Management Plan During Operation:</p> <p>Health & Safety Operation Management Plan will have to clearly describe the HS requirements for both the Company and the sub-contractor's personnel during the road operation and maintenance. It should include (but not be limited to): hazardous materials management, traffic accidents, working at heights, working in confined spaces, electrical hazards, etc.</p> <p>Include contractual conditions to ensure all sub-contractors follow the H&S Operation Plan</p>	Improved health and safety performance and a safe working environment	EIBS9: Occupational and Public Health, Safety and Security	<p>Responsibility: ARS.</p> <p>Resources: ARS & contractors.</p>	<p>Plan must be submitted to EIB prior to operation of the road.</p> <p>Implemented during the operation of the road.</p>	<p>Documented HS Plan</p> <p>Safety statistics and data</p> <p>ARS to report on updates in AESR to EIB.</p>	

No	Environmental & Social Action	E&S Risks/ Benefits	Requirement (Legislative, EIB Standard, Best Practice)	Resources, Investment Needs, Responsibilities	Timetable	Target and Evaluation Criteria for Successful Implementation	Status
9.4	<p>Road Safety Audit (RSA):</p> <p>A Road Safety Audit in line with EU Directive 2008/906/EC (and relevant aspects of RS legislation and standards) to be carried out by an independent appropriately certified auditor on the detailed design which should then be updated for the findings of the RSA.</p> <p>A road safety inspection shall be carried out on the road once operational.</p>	Reduction of accident risks and improved road and community safety.	EIBS9: Occupational and Public Health, Safety and Security.	<p><i>Responsibility:</i> ARS to procure Consultant.</p> <p><i>Resources:</i> ARS to cover consultant costs.</p>	Before finalisation of the Detailed design subsequent RSAs at key stages, as required under the EU Directive 2008/96/EC.	<p>Documented RSA.</p> <p>Updated Detailed design & Tender Documents.</p> <p>Report in AESR to EIB.</p>	
9.5	<p>Emergency Preparedness and Response Plan:</p> <p>ARS to ensure that the contractor develops and implements an Emergency Preparedness and Response Plan.</p>	Adequate emergency response.	<p>Local regulatory requirements,</p> <p>EIBS9: Occupational and Public Health, Safety and Security</p>	<p><i>Responsibility:</i> Contractor</p> <p><i>Resources:</i> In house or Consultant support</p>	Before construction commences the Plan must be approved by ARS	<p>Documented Emergency Preparedness and Response Plan</p> <p>ARS to report on updates in AESR to EIB.</p>	

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9.6	<p>Traffic Management Plan</p> <p>ARS to ensure that the contractor develops and implements a Traffic Management Plan, among other things to ensure that sufficient access to fields and any other community resources is retained at all times during construction.</p> <p>Present Traffic Management Plan to local residents and land users.</p>	<p>Compliance with EIB requirements on health & safety and to ensure access and severance issues are minimised for the local communities and agricultural land users.</p>	<p>Law on Planning and Construction of RS</p> <p>EIBS1: Assessment and Management of Environmental and Social Impacts and Issues.</p> <p>IBS9: Occupational and Public Health, Safety and Security.</p> <p>Best practice</p>	<p>Responsibility: Contractor. Review by Supervised Engineer.</p> <p>Resources: Contractor – Designated OHS Manager.</p>	<p>TMP must be submitted and approved by the Supervising Engineer before construction commences.</p> <p>Implemented during the construction phase.</p>	<p>Documented TMP - ongoing accident statistics and data.</p> <p>Provide updates to ARS on implementation and statistics to EIB.</p>	

No	Environmental & Social Action	E&S Risks/ Benefits	Requirement (Legislative, EIB Standard, Best Practice)	Resources, Investment Needs, Responsibilities	Timetable	Target and Evaluation Criteria for Successful Implementati on	Status
Standard 10: Stakeholder Engagement							
10. 1	<p>Stakeholder Engagement Plan and Grievance Management.</p> <p>The SEP contains requirements for information disclosure and consultations around key issues of concern for local communities, including during the development of the final design and the final locations of underpasses and overpasses, traffic management, disruptions to utilities, consideration of community compensation projects, etc.</p>	<p>Managem ent of risks and impacts on affected communitie s and other stakeholder s.</p>	<p>EIBS10: Stakeholder Engagement.</p>	<p>Responsibility: ARS and Contractor Resources: ARS and Contractor</p>	<p>Before construction starts, during construction and operation</p>	<p>Consultation undertaken, information disclosed and SEP updated as required.</p> <p>Report implementati on progress in AESR to EIB.</p>	