

## Annual Environmental & Social Report

1. Company Details	
<b>Company Name:</b> JP PUTEVI BR KO	
<b>Company Address:</b> Meze Selimovi a 1	
<b>Country:</b> Bosnia and Herzegovina	
<b>Town/Location:</b> Br ko	
<b>Company authorized representative</b>	
I certify that the data contained in this report completely and accurately represents operations during this reporting period.	
Signature: <b>Dragan Marinkovi</b>	
Title: <b>direktor</b> Date:	
<b>Contact Details:</b> xxx	
Telephone: <b>+387 49 490 151</b>	
Mobile:	
E-mail: <b>putevibrcko@gmail.com</b>	

<b>Reporting Period:</b>	<b>from 01/01/2014 to 31/12/2014</b>
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2. General		
Is the project materially compliant with all relevant EBRD Performance Requirements (taking account of agreed action plans, exemptions or derogations)?	Yes <input type="checkbox"/> No <input type="checkbox"/>	If No, please provide details of any material non-compliances: <b>Yes. The Project is compliant with all EBRD requirements, and it has been taken care of that all EBRD requirements are met</b>
Is the project materially compliant with all applicable environmental and social laws and regulations?	Yes <input type="checkbox"/> No <input type="checkbox"/>	If No, please provide details of any material non-compliances: <b>Yes. As required by Brcko district a BiH laws, the environment permit was obtained, and the permit has defined all environment protection measures that must be implemented.</b>
Have there been any accidents or incidents that have caused damage to the environment, brought about injuries or fatalities, affected project labour or local communities, affected cultural property, or created liabilities for the company?	Yes <input type="checkbox"/> No <input type="checkbox"/>	If yes, please describe, including details of actions to repair and prevent reoccurrence: <b>No.</b>
Have there been any changes to environment, social, labour or health and safety laws or regulations that have materially affected the company?	Yes <input type="checkbox"/> No <input type="checkbox"/>	If yes, please describe: <b>No.</b>
How many inspections did you receive from the environmental authorities during the reporting period?	Number: <b>0</b>	Please provide details of these visits, including number and nature of any violations found  <b>There were no environmental inspections conducted by the competent authorities.</b>
How many inspections did you receive from the health and safety authorities during the reporting period?	Number: <b>0</b>	Please provide details of these visits, including number and nature of any violations found  <b>In the reporting period there were no inspections conducted by the authorities in charge of work protection.</b>

How many inspections did you receive from the labour authorities during the reporting period?	Number: 0	Please provide details of these visits, including number and nature of any violations found: <b>In the reporting period there were no inspections conducted by the labour authorities.</b>
Have these visits resulted in any penalties, fines and/or corrective action plans?	Yes <input type="checkbox"/> No <input type="checkbox"/>	If yes, please describe, including status of implementing corrective actions to address any violations found: <b>No</b>
Has the Company engaged any contractors for project-related work in the reporting period?	Yes <input type="checkbox"/> No <input type="checkbox"/>	If yes, please state for which types of work, and how the company has monitored the compliance of contractors with EBRD Performance Requirements and the Environmental and Social Action Plan:
Were any of the violations stated above the responsibility of contractors?	Yes <input type="checkbox"/> No <input type="checkbox"/>	If yes, please provide details, including how the Company is ensuring that corrective actions are implemented by the Contractor? <b>No</b>
Have any operations been reduced, temporarily suspended or closed down due to environmental, health, safety or labour reasons?	Yes <input type="checkbox"/> No <input type="checkbox"/>	If yes, please describe: <b>No.</b> <b>Performing work has not yet commenced.</b>
<p>Please describe any environment or social programmes, initiatives or sub-projects undertaken during the reporting period to improve the company's environmental or social performance and/or management systems: <b>The works are not started. In juli 2013. done is the measurement of zero status parameters of environmental protection for the bypass Brcko .</b></p> <p>Please indicate the level of associated expenditure (capital expenditure and operating expenditure), and whether this relates to the requirements of the Environmental and Social Action Plan, or to any other initiative: <b>Project of Brcko by-pass of the Public Company sPutevi Brcko%was funded by EBRD. Total costs of these services amounted to EUR 0.</b></p>		

### 3. Status of the Environmental and Social Action Plan

Please provide information on the status of each item in the Environmental and Social Action Plan (ESAP) agreed with EBRD. If the ESAP has been updated during the reporting period, please attach a copy of the new plan.

**The table with status of each ESAP item is attached to this report.**

#### 4. Environmental Monitoring Data<sup>1</sup>

Please provide the name and contact details for your environmental manager:

Bojan Delic, grad.civ.eng., email [bojandelic@putevibrcko.ba](mailto:bojandelic@putevibrcko.ba),  
Tel. 00387 49 490 151

Parameter <sup>2</sup>	Value <sup>3</sup>	Unit	Compliance Status <sup>4</sup>	Comments <sup>5</sup>
<b>Waste Water</b>				
Total waste water generated				
BOD				
COD				
Suspended Solids				
Phosphorus				
Nitrates				
Heavy metals				
[Other]				
<b>Air Emissions</b>				
SO <sub>2</sub>				
NO <sub>x</sub>				
Particulates				
CO <sub>2</sub>				
CH <sub>4</sub>				
N <sub>2</sub> O				
HFCs				
PFCs				
SF <sub>6</sub>				
[Other]				
<b>Other Parameters</b>				
Noise				
[Other]				
<b>Solid Waste</b>				

Please provide details of the types and amounts of solid wastes generated by the project. Indicate where wastes are classified as hazardous. Indicate the final re-use, recycle or disposal method for each waste type.

<sup>1</sup> Please provide the results of any environmental monitoring carried out by the Company or its consultants. If you already have all the data requested available in another format, then this can be used instead.

<sup>2</sup> Not all parameters will necessarily apply. Please complete those rows that are most relevant to the industry sector. Additional parameters can be added as necessary.

<sup>3</sup> Please ensure that the units of measurement are clearly stated

<sup>4</sup> Please report on compliance against the standards agreed with EBRD for this project (typically local, EU and/or World Bank Group)

<sup>5</sup> In addition to any other relevant comments, please indicate whether the measurements reported apply to all or only some process operations at the facility

## 5. Resource Usage and Product Output

Parameter	Value	Measurement Unit	Comments <sup>6</sup>
<b>Fuels used</b>			
Oil	-	-	
Gas	-		
Coal	-		
Lignite	-		
Grid electricity	-		
Heat purchased	-		
<b>Feedstocks and raw materials consumed</b>			
Fill material	-	-	
Aggregate for concrete	-	-	
Aggregate for asphalt and subbase		-	
Bitumen	-	-	
Cement		-	
Steel		-	
<b>Product output</b>			
Reinforced concrete		-	
Asphalt	-	-	
Fill	-	-	

## 6. Human Resources Management

Please provide the name and contact details for your Human Resources manager:

Adnan Azapagi , independent expert associate for legal, personnel and general affairs, tel. +387 49 490 156, e-mail adnanazapagiv@putevibrcko.ba

	Total	Recruited in this reporting period	Dismissed in this reporting period
<b>Number of direct employees:</b>	18	3	0
<b>Number of contracted workers:</b>	0	0	0
Were there any collective redundancies during the reporting period?	Yes <input type="checkbox"/> No <input type="checkbox"/>	If yes, please describe the redundancy plan, including reasons for redundancies, number of workers involved, how they were selected, consultation undertaken, and measures to mitigate the effects of redundancy: No	
Are there any planned redundancies to the workforce in the next year?	Yes <input type="checkbox"/> No <input type="checkbox"/>	If yes, please describe the redundancy plan, including reasons for redundancies, number of workers involved, and selection and consultation process: No	

<sup>6</sup> In addition to any other relevant comments, please indicate whether the measurements reported apply to all or only some process operations at the facility. Please include any relevant fuel quality parameters (e.g. calorific value)

Were there any changes in trade union representation at Company facilities during the reporting period?	Yes <input type="checkbox"/> No <input type="checkbox"/>	If yes, please provide details, and summarize engagement with trade unions during reporting period: No
Were there any other worker representatives (e.g. in the absence of a trade union)?	Yes <input type="checkbox"/> No <input type="checkbox"/>	If yes, please provide details and summarize engagement with them during reporting period: No
Were there any changes in the status of Collective Agreements?	Yes <input type="checkbox"/> No <input type="checkbox"/>	If yes, please provide details: No
Have employees raised any grievances with the project during the reporting period?	Yes <input type="checkbox"/> No <input type="checkbox"/>	If yes, please state how many, split by gender, summarize the issues raised in grievances by male and female staff and explain how the Company has addressed them: No
Have employees raised any complaints about harassment or bullying during the reporting period?	Yes <input type="checkbox"/> No <input type="checkbox"/>	If yes, please state how many, split by gender, summarize the issues raised by male and female staff and explain how the Company has addressed them: No
Have there been any strikes or other collective disputes related to labour and working conditions at the Company in the reporting period?	Yes <input type="checkbox"/> No <input type="checkbox"/>	If yes, please summarize nature of, and reasons for, disputes and explain how they were resolved No
Have there been any court cases related to labour issues during the reporting period?	Yes <input type="checkbox"/> No <input type="checkbox"/>	If yes, please summarize the issues contested and outcome:
Have there been any changes to the following policies or terms and conditions during the reporting period in any of the following areas: <ul style="list-style-type: none"> <li>• Union recognition</li> <li>• Collective Agreement</li> <li>• Non-discrimination and equal opportunity</li> <li>• Equal pay for equal work</li> <li>• Gender Equality</li> <li>• Bullying and harassment, including sexual harassment</li> <li>• Employment of young persons under age 18</li> <li>• Wages (wage level, normal and overtime)</li> <li>• Overtime</li> <li>• Working hours</li> <li>• Flexible working / work-life balance</li> <li>• Grievance mechanism for workers</li> <li>• Health &amp; safety</li> </ul>	Yes <input type="checkbox"/> No <input type="checkbox"/>	If yes, please give details, including of any new initiatives: No.

**Note: 6. Human Resources Management – data referring to the Putevi Brcko**

## 7. Occupational Health and Safety Data

Please provide the name and contact details for your Health and Safety manager:		-Gordana Bajić, Environmental and social specialist -Ljilja Stjepanović, <a href="mailto:ljljastjepanovic@putevibrcko.ba">ljiljastjepanovic@putevibrcko.ba</a> , tel. +387 49 490152			
	Direct employees	Contracted workers		Direct employees	Contracted workers
Number of man-hours worked this reporting period:	3 employees/ 48 hours worked	-	Number of Fatalities <sup>7</sup> :	-	-
Budget spent on OHS in this period (total amount and currency):	-	-	Number of disabling injuries:	-	-
OHS training provided in this period in person-days:	-	-	Number of Lost Time Incidents (including vehicular) <sup>8</sup> :	-	-
Number of lost workdays <sup>9</sup> resulting from incidents:	-	-	Number of cases of occupational disease:	-	-
Number of sick days:	-	-			
Accident causes (falling, heavy loads, struck by object, contact with energy source etc): -					
Please provide details of any fatalities or major accidents that have not previously been reported to EBRD, including total compensation paid due to occupational injury or illness (amount and currency): -					
Please summarize any emergency prevention and response training that has been provided for company personnel during the report period: -					
Please summarize any emergency response exercises or drills that have been carried out during the report period: -					

**Note: 7. Data on occupational safety – data referring to the Putevi Brcko**

## 8. Stakeholder Engagement

Please provide the name and contact details for your external relations or community engagement manager:	Dragan Marinkovic, grad.civ.eng., email <a href="mailto:putvibrcko@gmail.com">putvibrcko@gmail.com</a> , Tel. 00387 49 490 151
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<sup>7</sup> If you have not already done so, please provide a separate report detailing the circumstances of each fatality.

<sup>8</sup> Incapacity to work for at least one full workday beyond the day on which the accident or illness occurred.

<sup>9</sup> Lost workdays are the number of workdays (consecutive or not) beyond the date of injury or onset of illness that the employee was away from work or limited to restricted work activity because of an occupational injury or illness.

Please provide information on the implementation of the stakeholder engagement plan agreed with EBRD and summarize interaction with stakeholders during the reporting period, including:

- Meeting or other initiatives to engage with members of the public or public organizations during the report period,
- information provided to members of the public and other stakeholders during the report period relating to environmental, social or safety issues
- coverage in media,
- and interaction with any environmental or other community groups.

Please describe any changes to the Stakeholder Engagement Plan agreed with EBRD:

- To provide detailed public information on the project, JP sRoads of Brcko%published Stakeholder Engagement Plan for the Brcko by-pass on the web site [www.bdcentral.ba](http://www.bdcentral.ba). These documents may also be reviewed at the seat of JP sRoads of Brcko%.
- The Environment Permit was also publically disclosed on the web sites: [www.bdcentral.ba](http://www.bdcentral.ba).
- .

How many complaints or grievances did the project receive from members of the public or civil society organizations during the reporting period? Please split by stakeholder group. Summarise any issues raised in the complaints or grievances and explain how they were resolved:

No complaints.

## 9. Status and Reporting on Resettlement Action Plan/Livelihood Restoration Framework

### Existing Land Acquisitions

Please report any further progress made during this reporting period in the implementation of the Resettlement Action Plan (RAP) or Livelihood Restoration Framework (LRF), using the monitoring indicators as detailed in the RAP or LRF, and complete the table below. Please provide the results of any other related monitoring carried out by the Company or its consultants and attach any additional information you think would be useful.

<p>Have all the affected persons been fully compensated for their physical displacement and, if applicable, any economic losses resulting from the project?</p>	<p>Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></p>	<p>If no, specify how many compensation payments are still outstanding (in terms of number and percentage of recipients and payment amounts) and state when these payment will be made:</p> <p>Of 22 expropriated residential facilities an agreement on compensation has not been reached for 9 residential facilities <b>and the compensation is determined in a court proceeding. After the compensation is determined by a court decision</b>, the competent department will pay compensation for the losses related to the housing issues. The decision will also include reimbursement of purchase of a new real estate and moving allowance.</p>
<p>Has the land acquisition had any additional, unforeseen impacts on affected persons's standard of living or access to livelihoods that were not previously covered in the RAP?</p>	<p>Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></p>	<p>If yes, quantify these impacts and specify what measures have been undertaken to minimize and mitigate these impacts. If no, specify how potential impacts on livelihoods have been monitored.</p> <p>Providing information, advice and individual meetings.</p>
<p>Have any vulnerable groups been identified?</p>	<p>Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></p>	<p>If yes, list the groups that were identified and describe any additional measures undertaken in order to mitigate impacts specific to these groups.</p> <p>Elders, sick persons, refugees and unemployed persons. Additional measures undertaken to mitigate consequences that affect the vulnerable groups are: individual meetings to provide information about criteria for obtaining compensation entitlement, assistance in finding and purchasing a property, assistance in payment of compensation and assistance during the period after the payment.</p>
<p>If applicable, have all transit allowances been paid?</p>	<p>Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></p>	<p>If no, specify how many payments are still outstanding (in terms of number and percentage of recipients and payment amounts) and state when these payments will be made.</p>

		After the amount of allowance is determined in a court proceeding, owners of the residential facilities will file requests for resettlement allowance and the BD of B&H Government will provide physical assistance for moving, such as trucks or one-time financial assistance in the amount of 1,000 KM.
Has legal support been provided to all the affected persons?	Yes <input type="checkbox"/> No <input type="checkbox"/>	If yes, specify how many persons effectively made use of the legal support. All the affected persons have been provided legal support.
Have all outstanding land and/or resource claims been settled?	Yes <input type="checkbox"/> No <input type="checkbox"/> Not applicable <input type="checkbox"/>	If no, specify how many claims are still outstanding and state what the expected timing is for settling them. 66 proceedings for determining the amount of compensation for expropriated real estate are before the District court and 47 proceedings for determining compensation for expropriated real estate are before the competent department.
Have there been any new land acquisition-related complaints or grievances?	Yes <input type="checkbox"/> No <input type="checkbox"/>	If yes, please state how many and summarize their content. At the requests of the owners of expropriated real estates to expropriate the remaining parts of real estates, the competent department has expropriated 80 land plots because their owners did not have economic interest to use them.
Has the company regularly reported to the affected communities on progress made in implementing the RAP?	Yes <input type="checkbox"/> No <input type="checkbox"/>	If yes, please state how many meetings were held and how many participants attended. Once a week the Team for Project Implementation holds meetings with representatives of different interest groups, governmental departments, public companies
<b>New Land Acquisitions</b> If the company acquired any new land for the project during the reporting year, please provide documents to show closure of land acquisition transactions. Please attach new/revised RAP covering the new land acquisition and describe mitigation measures, compensation, agreements reached, etc., and provide in tabular form a list of affected people and status of compensation.		
Have any persons been physically displaced?	Yes <input type="checkbox"/> No <input type="checkbox"/>	If yes, how many? Until the end of 2014, 24 persons were resettled
Have any persons been economically displaced?	Yes <input type="checkbox"/> No <input type="checkbox"/>	If yes, how many? Persons who had business in the expropriated business premises have been reimbursed for those premises and losses (costs of relocation and reinstallation of equipment), but those persons are not economically displaced.
Was it a government assisted resettlement?	Yes <input type="checkbox"/> No <input type="checkbox"/>	There were no resettlements. The BD of B&H Government has paid one-time moving allowance in the amount of 1,000 KM for every residential building (until the end of 2014, 12,000 KM was paid).

## 10. Community Interaction and Development

Please summarize any social or community development initiatives undertaken by the company during the reporting period, and any associated expenditure:



Attachment 1

**Information on the ESAP implementation**

Number	Mitigation measures / Action	Sources: Legislation / EBRD PR	Responsible party and Investment / Resources required	Timetable / Project Phase	Objective / criterion for assessing the successful implementation	Status	Opinion of the Supervisor
<b>GENERAL REQUIREMENTS: ENVIRONMENT PROTECTION AND SOCIAL MANAGEMENT</b>							
1	<p><b>Review and Update of ESAP and SEP</b></p> <p>Brcko District (BD), Public Company Putevi Brcko (PC) and the Contractor shall regularly review and update, if necessary, the ESAP (Action Plan for the Environmental Protection and Social Affairs) and SEP (Stakeholders Engagement Plan) to ensure that it complies with changes in project circumstances. Specifically, the ESAP and SEP are delivered to all relevant and interested parties. Changes in ESAP and SEP must comply with the EBRD.</p>	<p>EBRD PR1 The Law on Spatial Planning and Construction BD BiH The Law on Environmental Protection BD BiH Law on Free Access to Information</p>	<p>BD, PC and Contractor Resources: Indicated ESHS The resources also required from contractors, PC and BD</p>	<p>All phases Preconstruction Construction Work</p>	<p>ESAP will be reviewed and updated by key points of the project.</p>	<p>Update made: Responsible parties and resources; Sources (Laws of BD).</p>	
2	<p><b>Applicable standards:</b></p> <p>The project will be managed and will be prepared and put into operation in a manner that is in compliance with all applicable national, EU and international laws and conventions, as well as the relevant requirements, policies and guidelines of the Borrower, including, inter alia:                      ÉBD (BiH) legislation, as well as decisions and policies                      ÉThe applicable EU directives (including those of the NTS, the SEP and ESAP)                      ÉInternational conventions and agreements (including the Aarhus Convention)                      ÉGood industrial practice</p> <ul style="list-style-type: none"> <li>É Requirements of the Borrower in relation to environmental and social management (eg. The environmental policy of the EBRD in 2008, IFC EHS Guidelines</li> </ul>	<p>EBRD PR1 BD / BiH laws Guidelines for planning, design, construction and maintenance of roads in BiH (Sarajevo / Banja Luka 2005). The Law on Spatial Planning and Construction BD BiH The Law on Environmental Protection BD BiH</p>	<p>BD, PC and Contractor Resources: Indicated ESHS The resources also required from contractors, PC and BD</p>	<p>All phases Preconstruction Construction Work</p>	<p>Necessary approvals / permits / licenses are obtained in the preconstruction.  Supervision demonstrates compliance with environmental protection and social requirements.</p>	<p>Necessary approvals in the preconstruction are provided -Building permit (Phase I), Environmental Permit</p>	
3	<p><b>Applicable project documentation:</b></p> <p>BD, PE and the contractor will carry out and agree with all the measures set out in the relevant project documentation, including inter alia:                      ÉESAP                      ÉStakeholder Engagement Plan(SEP)                      É Environmental impact assessment / statements and related decisions of the entire ministry</p> <ul style="list-style-type: none"> <li>É A framework for resettlement and Resettlement Action</li> </ul>	<p>EBRD PR1 All PRs The Law on Spatial Planning and Construction BD BiH The Law on Environmental Protection BD BiH Law on Expropriation Guidelines on</p>	<p>BD, PC and Contractor Resources: Indicated ESHS</p>	<p>All phases Preconstruction Construction Work</p>	<p>Supervision demonstrates compliance with environmental protection and social requirements.</p>	<p>Measurement of zero status parameters of environmental protection for the bypass performed Resettlement Action Plan is being implemented. The contract includes a environmental</p>	

	Plan	<p>prescribing single standards for estimating the market value of real estate BD</p> <p>The Law on Ownership and Other Property Rights BD BiH</p> <p>The law on the legalization of illegally constructed buildings in BD</p> <p>Law on Roads BD</p> <p>Law on Social Protection BD</p> <p>Law on local communities BD</p> <p>Agricultural Land Act BD</p> <p>Law on the Office for free legal aid</p> <p>Law on Free Access to Information</p> <p>The Law on Administration of BiH</p> <p>Law on Protection of Personal Data</p> <p>The Administrative Procedure Act BD</p> <p>The Law on Administrative Disputes BD</p>				management plan.	
4	<p><b>Mitigation of separation:</b></p> <p>The project will include technical solutions for the construction of underpasses and overpasses to prevent separation of communities. The project will consult the people who will be directly affected by the project and location of access arrangements.</p>	<p>EBRD PR1</p> <p>Good international practice</p> <p>Guidelines for planning, design, construction and maintenance of roads in BiH (Sarajevo / Banja Luka 2005).</p> <p>The Law on Spatial Planning and Development BD</p> <p>The Law on</p>	<p>Consultant for conceptual design BD, PC Government of Brcko District</p>	<p>Preconstruction phase (conceptual design)</p> <p>Construction phase</p>	<p>All overpasses constructed / underpasses where necessary.</p> <p>To monitor the number and type of complaints filed.</p> <p>Monitor the implementation of the approved project solution in the construction phase.</p>	<p>The project anticipated and revision approved construction of an underpass / overpass. There is an interest in information about individual objects and access to certain plots- parallel field roads.</p>	

		Environmental Protection BD					
5	<p><b>Comprehensive Environmental and Safety Management Plan in the construction industry (CESMP)</b></p> <p>The contractor shall establish, implement and maintain CESMP as part of the organizational plan for the construction site which will as a minimum contain the measures described in the ESAP, meet the Bank's PR and seek to improve environmental and social project execution. CESMP will include the following additional requirements and plans as set out to look for during the execution of the project:</p> <ul style="list-style-type: none"> <li>• Qualified ESHS manager who will be responsible for the development and implementation of building social management and environmental protection and coordination that will ensure the provisions of the ESAP.</li> <li>• Plans to mitigate the specific issues: e.g. noise and vibration, protection of water, a plan to reduce dust, a plan to mitigate the impacts on biodiversity (flora and fauna), a plan to mitigate the impact on surface and ground water (as well as erosion / sedimentation, etc.).</li> <li>• Plan on Social Management will assist in the implementation of the social requirements of the ESAP, SEP, complaints mechanism and RAP and will provide the basis for reporting on social issues for the project.</li> <li>• Plan on waste management</li> <li>• Plan on management of materials</li> <li>• Plan on management of hazardous materials</li> <li>• Plan on management of rivers and water crossings</li> <li>• Plan on Land Management</li> <li>• Plan on engaging decision makers</li> <li>• Plan for Resettlement</li> <li>• Plan on emergency response</li> <li>• Rehabilitation Plan</li> <li>• Plan on Traffic Management</li> <li>• Plan on monitoring environmental and social issues</li> <li>• The mechanism for complaints of workers</li> <li>• Handover of Environmental and Social Management Plan (HESMP) will be delivered by the contractor upon the completion of the works</li> <li>• CESMP will also set requirements for environmental and social issues and supervision for:</li> </ul>	<p>EBRD PRI Good international practice Guidelines for planning, design, construction and maintenance of roads in BIH (Sarajevo / Banja Luka 2005). The Law on Spatial Planning and Development BD The Law on Environmental Protection BD BiH</p>	<p>Contractor Resources: Indicated ESHS Resources are requested-include appointed ESHS manager</p>	<p>Construction phase</p>	<p>CESMP must be in operation before the construction.</p>	<p><b>The Contract signed with the Contractor. The Contract signed with Consultant for supervision of the construction.</b></p> <p><b>Preparation of CESMP.</b> This is a contractual requirement.</p>	

	<ul style="list-style-type: none"> <li>• Objects off-site (e.g. Concrete and asphalt mixing plants)</li> <li>• Transport of materials to construction sites</li> <li>• The labor force (which meets the relevant requirements of the ESAP)</li> <li>• The involvement of decision makers (related to SEP)</li> </ul>						
6	<p><b>Resolving the issue of contractors:</b></p> <p>It is necessary that the method of contracting for construction meets the procurement policies of the EBRD; in this respect the requirements of the procuring entity will contain EBRD's Special Conditions of Contract (or similar approved by EBRD) containing provisions for PR2: Labor and Working Conditions and the ESAP.</p>	<p>EBRD PR1 PR2 The Law on Spatial Planning and Development BD The Law on Environmental Protection BD Labor Law BD Law on health and safety of workers at work BD BiH The Law on Civil Service in the bodies of administration of the BD</p>	<p>Responsibility: BD and PE</p>	<p>Preconstruction phase</p>	<p>Requirements of Purchaser will contain EBRD's special conditions of the contract and the ESAP.</p>	<p>Selection of Contractor completed. EBRD gave its consent to the Contract.</p>	
7	<p><b>Resolving the issue of subcontractors / suppliers:</b></p> <p>The Contractor shall apply the contractual arrangements for securing services of subcontractors and suppliers to ensure that they are obliged to comply with environmental protection and social requirements specified in the project documentation and standards. The Contractor shall advise their subcontractors and suppliers about their responsibility for the environment, social issues and health and safety issues (including labor and work conditions), as well as the relevant requirements of the ESAP. Applicable ESHS requirements will be included in contractual agreements, including the requirement for contractors to bring the technical requirements for their subcontractors and lay down provisions for EHS reporting.</p>	<p>EBRD PR1 PR2 The Law on Spatial Planning and Development BD The Law on Environmental Protection BD BiH Labor Law BD Law on health and safety of workers at work BD BiH The Law on Civil Service in the bodies of administration of the BD</p>	<p>Responsibility: Contractor resources: Time management, including the named ESHS construction site manager Construction site books and training materials</p>	<p>Construction phase</p>	<p>Agreements between subcontractors and suppliers with ESHS requirements</p>		
8	<p><b>General requirements: The work and working conditions:</b></p> <p>The Contractor shall comply with the Labor Law BD and relevant requirements of the International Labor Organization (ILO). The Contractor shall prepare and implement the policy of protection of human rights (HR): this includes, among other things, provisions on the prohibition of child labor and forced labor, as well as the rights of the unemployed (in accordance with</p>	<p>EBRD PR2 ILO Convention Labor Law BD Law on health and safety of workers at work BD BiH The Law on Civil Service in the bodies of</p>	<p>Responsibility: Contractor resources: ESHS and HR resources; Costs associated with communicating</p>	<p>Construction phase</p>	<p>In the function immediately after contract award (provisions for PR2 will form part of the contract terms)</p>	<p>The Contractor shall comply with the Labor Act BD and relevant requirements of the International Labor Organization (ILO).</p>	

	ILO conventions and EBRD PR2)  The Contractor shall ensure that subcontractors apply the same standards and that the workforce has fair wages, working hours, social protection and health and safety measures.	administration of the BD	policy and complaints mechanism				
9	<b><i>The mechanism of complaints workforce</i></b>  BD, PE and the Contractor shall develop and implement a complaints mechanism for workers (and their organizations, if applicable, e.g. sub-contractors) in accordance with EBRD PR2 (paragraph 18) to allow individuals / groups that have reasonable care for the workplace. Complaints mechanism will be communicated to the workers (and organizations if applicable) and will be available to all parties.	EBRD PR2 ILO Convention Labor Law BD	Resources: ESHS and HR resources; Costs associated with communicating policy and complaints mechanism	All phases	Contractors - in the service immediately after the award of contract		
10	<b><i>The system for managing safety at work and security in the construction industry:</i></b>  The Contractor shall establish a system for the management of safety at work and security in accordance with EU OHS Framework Directive, OHSAS 18001 and IFC General EHS Guidelines (2007) and draw up a special plan for the project for the protection of health and safety. The Contractor shall ensure agreements with subcontractors requiring that they follow Project Plan for the protection of health and safety at work system and security management.  The Contractor shall prepare and submit monthly reports to PC on safety at work and security (as part of the overall reporting CESMS-a)	EBRD PR2 OHSAS 18001 Law on health and safety of workers at work BD EU Directive (89/391 EC) Good international practice: Including: IFC of General EHS Guidelines (07)	Resources: Rated ESHS Resources are requested-include ESHS appointed manager Book of construction site health and safety and security and training materials (ESHS bulletin boards, brochures on the site, agreement on safety before starting work etc.).	Construction phase	The system for managing health and safety in the construction industry must be in operation before the construction. The draft manual will be prepared by the Contractor for review by the Consultant within 45 days of the award. The consultant shall forward the same to PC.		
11	<b><i>Operational Occupational Health and Safety Management System (OHSMS)</i></b>  PC operator will establish a system for the management of safety at work and security in accordance with EU OHS Framework Directive, OHSAS 18001 and IHC general EHS Guidelines (2007) and draw up a special plan of the project for the protection of health and safety for the use of the Bypass. (Cover the	EBRD PR2 OHSAS 18001 Law on health and safety of workers at work BD EU Directive (89/391 EC) Good international	Responsibility: PC, operator Resources: Indicated ESHS Resources	Phase of work	An operational system for health and safety management must be at the service before starting work on bypass. If it's convenient: The		

	operational workforce / sub-contractors involved in the operation and maintenance of roads, etc.)	practice: Including: IFC of General EHS Guidelines (07)			draft manual will be prepared for review by the Consultant within 45 days of the award. Consultant shall forward the same to PC.		
12	<b>Personal Protective Equipment for workers:</b>  The Contractor shall ensure that all workers are provided with and training in the use of appropriate PPE.	EBRD PR2 OHSAS 18001 Law on health and safety of workers at work BD EU Directive (89/391 EC) Good international practice: Including: IFC of General EHS Guidelines (07)	Responsibility: PC, operator Resources: Indicated ESHS Resources	Phase of work	An operational system for health and safety management must be at the service before starting work on bypass. If its convenient: The draft manual will be prepared for review by the Consultant within 45 days of the award. Consultant shall forward the same to PC.		
13	<b>General management of Workforce:</b>  The Contractor will assess the number and origin of construction workers and enforce under CESMP appropriate measures to control and access support to workforce to minimize social impacts. If there is employed a considerable number of non-local (i.e. migrants) construction workers, the Contractor of the project will develop a specific plan for the management of these workers on the project. CESMP (or a specific plan) will consider: ÉThe introduction of training and information on the Project and construction site ÉProvision of general social institutions and Utilities ÉProvision of and access to health / medical facilities ÉProvision of recreational activities and facilities ÉProvision of accommodation - as a minimum, in accordance with good international practice ÉCultural issues (including requirements for translation of key documents of the project, for example. EHS literature) ÉStandard medical fitness	EBRD PR2 PR4 International good practice Labor Law BD Law on health and safety of workers at work BD BiH	Responsibility: Contractor resources: ESHS resources; Capital expenditures for Social Affairs / utilities accommodation for workers / health institution (if necessary)	Construction phase	The measures will be included in CESMP. Code of Conduct of workers will be submitted to the Consultant / PC for approval within 45 days of contract award. Monitoring of protection measures for influx of workers from the side will be part of a comprehensive plan for monitoring environmental protection and social issues. This		

	<p>ÉThe policy on drugs and alcohol for the project and workforce</p> <p>É The Contractor shall prepare and implement a Code of Conduct for workers by setting norms of behavior and integration in local communities.</p>				will include supervision of accommodation for the workforce.		
14	<p>Pre-construction flora and fauna will be examined in order to obtain information for the further definition of protective measures.</p>	<p>EBRD PR6 Directives of the Council The Law on Spatial Planning and Development BD The Law on Environmental Protection BD BiH Nature Protection Act BD</p>	<p>Responsibility: BD, PC</p>	<p>Preconstruction phase</p>	<p>Identification of specific species in need of special protection / research results.</p>	<p>Measurement of zero status of environmental protection performed. No specific species identified that needs protection.</p>	
15	<p><b>Limiting Disturbance to Habitats and Species:</b></p> <p>The Contractor shall implement measures during construction to limit distractions of habitats and species, as follows:</p> <p>É Limit site clearance of vegetation and the movement of transport/ plant / machinery at the permitted area within the site.</p> <p>ÉSite clearance and works shall be undertaken so as to limit the disruption of habitats and species, and allocate work to breeding periods of plants and animals and nesting period.</p> <p>ÉHedge / protect vulnerable habitats and restrict the access of workers to sensitive areas / areas of natural value (e.g. Forests).</p> <p>É Protect surrounding animal populations and prevent harassment; plants should be in good working order with the lowest possible emissions, noise and vibration.</p> <p>É Make a pass and access to water, food and breeding sites through effective site management.</p> <ul style="list-style-type: none"> <li>ÉPlan suitable transport routes away from sensitive species and habitats, and if it is possible limit the damage to vegetation.</li> </ul>	<p>EBRD PR1 to PR6 Good international practice The Law on Spatial Planning and Development BD The Law on Environmental Protection BD BiH Nature Protection Act BD</p>	<p>Responsibility and Resources: Contractor PC BD Government Consultant for supervision of construction works</p>	<p>Construction phase</p>	<p>Monitoring of flora and fauna in order to confirm the effectiveness of measures to limit the disruption of habitats and species. (Compliance with the EIA and other approvals for environmental protection and PR6).</p>		
16	<p><b>Implementation of Biodiversity Mitigation Measures Within Permanent Works:</b></p> <p>As part of the permanent works contractor will implement / develop measures to mitigate biodiversity (flora and fauna) for the operational phase, including:</p> <p>ÉPassages for the animal to cross the road.</p> <p>ÉPipe outlets on every 5-10 km of highway</p> <p>É All underpasses of local and non-defined roads should be</p>	<p>EBRD PR1 to PR6 International good practice Guidelines for planning, design, construction and maintenance of roads in BiH (Sarajevo / Banja Luka 2005). The Law on Spatial</p>	<p>Responsibility: Contractor PC BD Government Consultant for supervision of construction works resources:</p>	<p>Construction phase</p>	<p>All measures in service prior to the start of work of the bypass</p>		



	<p>adapted to allow passage of wildlife.                  É In the regions interfered with native species are to be planted and where possible use local species.                  Additional measures, such as those identified in the EIA and additional studies will be incorporated if control measures demonstrate that there are shortcomings.</p>	<p>Planning and Development BD                  The Law on Environmental Protection BD BiH                  Nature Protection Act BD</p>	<p>ESHS resources including ecologists / time of engagement;                  Capital costs of measures to implement / necessary infrastructure.</p>				
17	<p><b><i>Stream and Water Crossings Management Plan:</i></b></p> <p>The contractor will carry out preventive measures during construction for works across the water, including:                  É The implementation of measures during the works over water (e.g. Construction of bridges over streams and rivers) that will minimize the impact on flora.                  É Measures to prevent unnecessary damage to coastal areas, flora and fauna next to watercourses.                  É Reduction of construction activities by working in and above water in sensitive periods (e.g. A certain flow conditions and seasons).                  É Appropriate use of specialized equipment                  É Protective measures to prevent attacks on the riverbank / erosion and ensuring the restoration of river banks                  É Measures of pollution control to prevent ejection of building materials, sediments and waste into rivers / waterways.</p> <ul style="list-style-type: none"> <li>É Plans for emergency response that will have in mind possible incidents during construction work in and above water.</li> </ul>	<p>EBRD PR1 to PR6                  International good practice                  Guidelines for spatial planning, design, construction and maintenance of roads in BiH (Sarajevo / Banja Luka 2005).                  The Law on Spatial Planning and Development BD                  The Law on Environmental Protection BD BiH</p>	<p>Responsibility:                  Contractor: will prepare and implement a plan of construction;                  Consultant for supervision, PC: approves                  Resources:                  ESHS resources including ecologists / time of engagement;                  The costs of the measures to be implemented                  Consultant for supervision of construction works</p>	Construction phase	<p>The contractor will prepare the Plan and program of work and procedures for works over all watercourses (i.e. Introduce protection measures in the draft of CESMP for approval by PC and Consultant for monitoring before construction.</p>		
18	<p><b><i>Protection of Surface Water and Ground Water Quality During Construction:</i></b></p> <p>Measures to protect the quality of surface water and groundwater resources are to be implemented during the construction phase by the Contractor which should be determined by CESMP and shall include, but it is not limited to, the following:                  É Precautions when working near or over water; restrictions on the maintenance of plants, use and storage of clean materials in the vicinity etc. : including the preparation and implementation of the Plan for the management of water crossings                  É Provision of impermeable surfaces for holding and storage of hazardous substances in appropriate locations.</p>	<p>EBRD PR3                  Guidelines for planning, design, construction and maintenance of roads in BiH (Sarajevo / Banja Luka 2005).                  The Law on Spatial Planning and Development BD                  The Law on Environmental Protection BD BiH</p>	<p>Responsibility and Resources:                  Contractor                  PC                  BD Government                  Consultant for supervision of construction works</p>	Construction phase	<p>All measures in service during construction and monitoring (CESMP, off-site facilities and water quality), confirm that the measures are effective and implemented.</p>		

	<p>ÉCompliance with relevant legislation to limit values for waste water discharge.</p> <p>ÉMeasures to prevent disturbing the flow of groundwater and supply of groundwater horizon.</p> <p>ÉStorage and protection from erosion of excavated material.</p> <p>ÉMeasures to protect the material to be deposited in river beds or on the banks and the use of construction materials in the vicinity of watercourses.</p> <p>ÉGuidelines for the management of water within the site, asphalt plants, borrow pits and other structures on the site.</p> <p>ÉMeasures to protect the waterway banks: minimize activities, avoid waste disposal near the coast, and limit cutting trees on the banks, measures to prevent turbidity in rivers and so on.</p> <p>É Grass / vegetation buffer zones between highways and watercourses.</p> <p>ÉResolving issues and flood prevention.</p> <ul style="list-style-type: none"> <li>ÉObtain necessary permits for water management.</li> </ul>	Law on Water Protection BD					
19	<p><b>Surface Water Drainage, Pollution Control and Waste Water Treatment System for Road:</b></p> <p>The Contractor shall implement / develop a system for disposal of surface water, pollution control and waste water treatment including protection measures for the operational phase to ensure:</p> <p>ÉCapacity of the drainage system of excessive water from the road that will ensure safe discharge of storm water in case of an accident.</p> <p>ÉControl measures for pollution of waste water from the road including closed drainage system, the stop and retention system, monitoring of treated water prior to discharge.</p> <p>ÉInstallations for waste water treatment and collector tanks.</p> <ul style="list-style-type: none"> <li>ÉMarking of areas of sensitive water resources with road signs.</li> </ul>	<p>EBRD PR3 and PR4</p> <p>Guidelines for planning, design, construction and maintenance of roads in BiH (Sarajevo / Banja Luka 2005).</p> <p>The Law on Spatial Planning and Development BD</p> <p>The Law on Environmental Protection BDBiH</p> <p>Law on Water Protection BD</p>	<p>Responsibility and Resources:</p> <p>Contractor PC BD Government Consultant for supervision of construction works</p>	<p>Preconstruction phase Construction phase</p>	<p>All measures in the service before the commencement of works. Water quality monitored during operation to confirm whether the preventive measures were effective and sufficient.</p>	<p>The project envisaged separators for surface water drainage. The designer complied with the Law of the BD and the Guidelines.</p>	
20	<p><b>Protection of Surface Water and Ground Water Quality During Operation:</b></p> <p>Measures to protect surface and groundwater should be aligned with OSSMP and implemented by the BD / operator, and include but not limit to the following:</p> <p>ÉCompliance with relevant legislation for limit values for waste water discharge.</p> <p>É Obtain necessary permits for water management and compliance with permits.</p>	<p>EBRD PR 3 and PR4</p> <p>The Law on Environmental Protection BD BiH</p> <p>Law on Water Protection BD</p>	<p>Responsibility and Resources:</p> <p>BD / operator BD Government PC</p>	<p>Phase of work</p>	<p>Water quality monitored during operation to confirm whether the preventive measures were effective and sufficient.</p>		

	<p>É Monitoring and control of drainage systems from road, pollution control and waste water treatment.</p> <ul style="list-style-type: none"> <li>É Preparing and implementing a plan to maintain the plant for waste water treatment / collection systems (when the sewage cannot be directed to systems that already exist in the vicinity).</li> </ul>						
21	<p><b>Landscape Protection and Landscape Plan:</b></p> <p>Landscape Plan will be done as to integrate the time and traffic into environment and landscape, and the plan to plant plastered surfaces should use native species. Where possible will be used local species. Planting and landscaping will prevent soil erosion. Means for cleaning the surrounding area during the work of the bypass should not be herbicides to eliminate weeds in the grass and grass along the road.</p>	<p>EBRD PR1 and PR3</p> <p>Guidelines for planning, design, construction and maintenance of roads in BiH (Sarajevo / Banja Luka 2005). The Law on Spatial Planning and Development BD The Law on Environmental Protection BD BiH Nature Protection Act BD</p>	<p>Responsibility: BD, PC / designer Contractor (making of landscape protection plan and its implementation) BD / operator of maintenance plan of landscape resources: Engineer for regional planning required for the design and construction planning; Costs of planning and maintenance. Supervision of construction works</p>	<p>Preconstruction phase: project Construction phase: Operation phase: maintenance activities</p>	<p>The project of plan for the landscape and its specifications are prepared before construction begins. Contractor as part of CESMP prepares and implements the plan of the landscape during the works. The plan of landscape shall be submitted to PC for surveillance for approval.</p>	<p>Project in accordance with the Laws of BD and the Guidelines.</p>	
22	<p><b>Soil Management Plan (Soil MP):</b></p> <p>Measures to protect the land are incorporated in the Plan for land management and include, but are not limited to, the following: É Measures to protect areas vulnerable to erosion. É Measures to avoid excessive soil compaction É Adoption of the plan of rehabilitation, and the area around the site including areas of temporary use of land should be rehabilitated in accordance with the plan. É Special measures for management and protection for all borrow</p>	<p>EBRD PR3</p> <p>International good practice The Law on Spatial Planning and Development BD The Law on Environmental Protection BD Nature Protection Act</p>	<p>Responsibility and Resources: Contractor BD Government PC Consultant for supervision of construction works</p>	<p>Construction phase</p>	<p>Soil Management Plan should be submitted to the Consultant for the supervision and PC-approval within 45 days of contract award.</p>		

	<p>pits and landfills to prevent soil degradation, and waste disposal</p> <p>ÉIt is necessary to make a new assessment or revised assessment of impacts relating to activities on the site that require the conversion of agricultural land and are not covered by the project.</p> <p>ÉThe conservation and protection of the excavated material from erosion.</p> <p>ÉMeasures to prevent that the material is left in river beds or on the banks of rivers and streams and to use appropriate building materials near watercourses.</p> <p>ÉCarefully removing, handling and storage of topsoil (which will be used as the material for filling the site).</p> <p>ÉMeasures for handling infertile soil</p> <p>ÉTerms of Plan for waste management: including the controlled disposal of waste in the prescribed manner.</p> <ul style="list-style-type: none"> <li>ÉUse of properly maintained machinery and construction equipment to prevent pollution from oil leaks etc.</li> </ul>	<p>BD BiH Law on Waste Management BD</p>					
23	<p><b>Noise Protection Measure:</b></p> <p>The Contractor shall apply measures to reduce noise during the phase of works on the project which will involve setting up barriers for noise protection along the road on the basis of the approved design solution.</p> <p>During construction these measures include, but are not limited to, the following:</p> <p>É Construction works are carried out in accordance with the applicable regulations and standards.</p> <p>ÉLimiting the operation of machines during the night and the use of protective equipment at work.</p> <p>ÉThe contractor must respect the usual working hours during the day.</p> <p>ÉConstruction equipment must be in accordance with European conditions (EU Directive EC / 2000/14) for the emission of noise and vibrations. In the event that the noise levels exceed the permissible limit, the contractor shall prohibit the use of equipment that generates excessive noise and use modern and permitted equipment</p> <p>ÉDuring the noisy activities there shall be implemented special measures. Special attention will be focused on avoiding adverse impacts on wildlife (e.g. setting up pylons). When setting up of pylons near areas that are socially and environmentally sensitive (e.g. settlement)s other techniques must be used (e.g. vibrating compactor rather than tires).</p>	<p>EBRD PR3 EU Directive EC / 2000/14 International good practice Guidelines for planning, design, construction and maintenance of roads in BiH (Sarajevo / Banja Luka 2005). The Law on Spatial Planning and Development BD The Law on Environmental Protection BD BiH</p>	<p>Responsibility: Contractor</p> <p>Resources: The cost of the implementation of measures; ESHS resources; Capital costs of appropriate infrastructure. BD Government PC Consultant for supervision of construction works</p>	<p>Construction phase The design phase</p>	<p>During the construction noise level must not exceed the permitted limits during day and night. All measures must be applied during the construction and supervision of noise generated by construction and vibration will confirm the current measures and their application.</p>	<p>The designer made a project on noise protection.</p>	

	<p>É During the road construction the use of explosives is not planned, however if the need arises some regulations will need to be applied (look for the necessary permits), and necessary special mitigation measures for such works.</p> <p>If noise levels and vibrations exceed the permitted levels, the contractor shall apply additional measures / checks the current measures on location.</p>					
	<p><b>Operational Management of Noise:</b></p> <p>PE will set the sound barrier and apply additional noise protection measures, if the measurements of noise levels during construction are found to be above the permitted level. Noise level measurement is carried out along the entire route to determine the level of noise emissions and compared with the permitted level. In case of exceeding it is necessary to plan the implementation of additional measures for noise protection (eg. Additional barriers or vehicular areas made from materials that reduce noise).</p>	<p>EBRD PR3 International good practice Guidelines for planning, The Law on Environmental Protection BD BiH</p>	<p>Responsibility: BD, PC / Operator resources: ESHS resources; Capital maintenance costs and additional adequate infrastructure.</p>	<p>Construction phase</p>	<p>Maintenance procedures and a plan that is established as part of OESMS.</p>	
24	<p><b>General: Air Quality Protection Measures:</b></p> <p>During construction Contractor shall implement measures to mitigate the impact on air quality, which will include, but will not be limited to:</p> <p>É Construction equipment must comply with European requirements relating to emissions (including emissions standards for diesel engines for off-road).</p> <p>É All equipment must be in good condition, regularly maintained and inspected.</p> <p>É Measures for dealing with dust include:</p> <p>Spilling over the earthworks in dry weather</p> <p>Spilling of material during loading and transport,</p> <p>The existence of the facility and procedures for washing of construction vehicles on site (e.g. tires washing facilities),</p> <p>Coverage of construction materials during transport,</p> <ul style="list-style-type: none"> <li>o Maintenance and sprinkling of access roads,</li> <li>o Take into consideration and sweeping for more minimal usage of water to reduce the amount of dust.</li> </ul> <p>É There will be necessary conditions (additional authorization) to limit the impact on air quality during demolition.</p> <p>É The contractor should not lit waste on fire</p> <p>É The use of explosives is not planned, but if the need arises it will be necessary to apply regulations (and seek additional</p>	<p>EBRD PR3 EU Directive EC / 2000/14 International good practice The Law on Spatial Planning and Development BD The Law on Environmental Protection BD Law on Air Protection BD BiH</p>	<p>Responsibility: Performer</p> <p>Resources: The costs of the measures undertaken; ESHS resources; Capital costs of appropriate infrastructure. BD Government PC Consultant for supervision of construction works</p>	<p>Construction phase</p>	<p>All measures will be implemented during construction and supervision of air pollution during construction will confirm the current measures and their application.</p>	

	<p>approvals), and apply specific mitigation measures for such works. If during the monitoring of levels of air quality during construction problems are spotted Contractor shall apply additional measures / checks the current measures on location.</p>						
25	<p><b>Operational Management of Air Quality:</b>  If monitoring shows that the limit values for air quality have been exceeded, the following measures are to be applied: additional barrier to prevent air pollution (artificial barriers and / or planting of herbs).</p>	<p>EBRD PR3 International good practice The Law on Spatial Planning and Construction BD Law on Air Protection BD BiH</p>	<p>Responsibility: BD, PC Resources: ESHS resources; Capital maintenance costs and additional adequate infrastructure.</p>	Construction phase	<p>Procedure for planting crops is established as part of OESMS.</p>		
26	<p><b>Construction Waste Management Plan:</b> As part of CESMP Contractor prepares and applies the Waste Management Plan (WMP) in accordance with national laws / EU conditions during the construction phase, including a minimum of the following measures: É All construction waste will be collected and deposited in appropriate locations before removal from the construction site. É On-site are placed closed containers for the collection of solid waste. É Waste petroleum products are deposited and collected in secure locations and authorized utility companies carry out their disposal. É Waste classification (according to Waste Catalogue). Special measures for the management of hazardous waste. É Engaging authorized utility company. É Measures to prevent uncontrolled waste disposal (in accordance with regulations on classification of waste). É Special measures of protection and management of landfills, which are used for this project, in order to prevent degradation of land. É Measures to avoid, reduce and reuse waste. Where a reduction, avoidance and reuse is not possible, the possibility of recycling, treatment and disposal of waste is considered. É Training for workers.</p>	<p>EBRD PR3 International good practice The Law on Spatial Planning and Construction BD The Law on Environmental Protection BD BiH Nature Protection Act BD Law on Waste Management BD</p>	<p>Responsibility: Contractor  Resources: Costs of preparation and implementation of POU; ESHS resources; BD Government PC Supervision of construction works</p>	Construction phase	<p>WMP should be adopted before construction and sent to the Consultant Control-PC and BD for approval within 45 days of contract award.</p>		
	<p><b>Operational Waste Management Plan:</b> In accordance with OESMP BD / operator prepares and applies</p>	<p>EBRD PR3 International good</p>	<p>Responsibility: BD, PC /</p>	Operational phase	<p>POU should be in force before the use</p>		

	<p>the POU in accordance with state laws / EU conditions for the exploitation phase of the road, which includes at least the following measures:</p> <ul style="list-style-type: none"> <li>É All waste during exploration is collected and stored at appropriate locations before removal from the construction site. Provide the appropriate facilities / containers for waste collection.</li> <li>É Waste petroleum products are deposited and collected in secure locations and authorized utility companies carry out their disposal.</li> <li>É The classification of waste. Special measures for the management of hazardous waste.</li> <li>É Engaging authorized utility company.</li> <li>É Measures to prevent uncontrolled waste disposal.</li> <li>É Measures to avoid reduce and reuse waste. Where a reduction, avoidance and reuse is not possible, the possibility of recycling, treatment and disposal of waste is considered. <ul style="list-style-type: none"> <li>• É Training for workers.</li> </ul> </li> </ul>	<p>practice The Law on Environmental Protection BD BiH Nature Protection Act BD Law on Waste Management BD</p>	<p>Operator  Resources: Costs of preparation and implementation of POU; ESHS resources; Capital costs of infrastructure for waste disposal.</p>		of the road.		
27	<p><b>Materials Management for Construction:</b> CESMP for the construction phase includes:</p> <ul style="list-style-type: none"> <li>• É Hazardous Materials Management Plan - Plan considers the nature and quantity of hazardous materials and outlines the acquisition, marking, transportation, signage, storage and use of hazardous materials. Where possible, the Contractor shall use less hazardous materials. This plan should cover any use of hazardous materials during construction and form part of the Plan for the management of materials. Appropriate measures of waste disposal should be included in the POU, and emergency response in the event of spills / releases of hazardous substances are established as part of the decision on emergency interventions (e.g. Emergency response plan).</li> <li>• Measures relating to the supply and extraction - Contractor prepares detailed plans for usage of borrow materials and their transport. Any additional approvals for borrow areas not covered by the project assessments and new borrow pits are subject to necessary approvals. Locations of borrow pits are listed in the Site management plan and from the contractor shall be required to establish a system of environmental protection and social management and monitoring of these locations outside the site (according to CESMP).</li> <li>• É The Contractor shall apply corrective actions when monitoring of these off-site facilities identifies locations</li> </ul>	<p>EBRD PR3 International good practice The Law on Spatial Planning and Construction BD The Law on Environmental Protection BD BiH Nature Protection Act BD</p>	<p>Responsibility: Contractor Resources: ESHS resources; Costs of preparation and implementation of the Plan for the management of materials;; PC BD Government Consultant for supervision of construction works</p>	Construction phase	Plans should be adopted before the construction and sent to Consultant for supervision PC for approval within 45 days of the contract award.		

	<p>that violate the conditions of environmental protection and social (health and safety) issues or there are complaints of local communities to work and transport of materials from these locations.</p> <ul style="list-style-type: none"> <li>• É Measures related to asphalt and concrete base and Suppliers - All new buildings must receive approval. Locations of asphalt and concrete base should be included in the Site Management Plan and the Contractor is required to establish a system of environmental and social management and monitoring of these locations outside the site.</li> <li>• É The Contractor shall apply corrective actions when monitoring of these off-site facilities identifies locations that violate the conditions of environmental protection and social (health and safety) issues or there are complaints of local communities to work and transport of materials from these locations</li> <li>• É The measures provided for storage of the material (e.g. Where appropriate storage should be covered by the enclosure, etc.).</li> <li>• É Where possible, minimize the use of materials (including fuel).</li> </ul>						
28	<p><b>Materials Management Plan (MMP) for Operation:</b> Definition of measures for determining the place of origin, handling, transport and storage of materials in the Plan of materials management (MMP) (as part of OESMP) in stage work takes into account / includes:</p> <ul style="list-style-type: none"> <li>É Hazardous Materials Management Plan.</li> <li>É Measures of storage of materials including materials for defrosting (e.g. where appropriate storage should be covered and impermeable etc.)</li> <li>• Where possible, minimize the use of materials (including fuel).</li> </ul>	<p>EBRD PR3 International good practice The Law on Spatial Planning and Construction BD The Law on Environmental Protection BD BiH Nature Protection Act BD</p>	<p>Responsibility: Contractor</p> <p>Resources: ESHS resources; Costs of preparation and implementation of the Plan for the management of hazardous materials;</p>	Operational phase	Materials management plan shall be made prior to exploitation of the road.		
29	<p><b>Management and Transport of Hazardous Materials During Operation:</b></p> <p>During operation, PE, BD / operator prepares and implements Hazardous Materials Management Plan (HMMP). The plan considers the nature and quantity of hazardous materials and outlines the acquisition, marking, transportation, signage, storage and use of hazardous materials. Where possible PE BD / operator</p>	<p>EBRD PR3 International good practice (including EU requirements) EU law on transport of hazardous materials The Law on Spatial Planning and</p>	<p>Responsibility: Contractor</p> <p>Resources: ESHS resources; Costs of preparation and</p>	Operational phase	Materials management plan shall be made prior to exploitation of the road.		



	should use less hazardous materials. This plan includes the use of all hazardous materials during the winter maintenance and forms part of the total operational phase management plan materials on site. The plan also includes appropriate measures for the disposal of hazardous waste and measures of urgent intervention at spilling / release of hazardous substances under the arrangement of emergency (e.g. Emergency plan).	Construction BD The Law on Environmental Protection BD BiH Nature Protection Act BD	implementation of the Plan for the management of hazardous materials;				
30	<p><b>Emergency Plan During Construction:</b></p> <p>Prior to the construction contractor shall develop emergency response plan stating the measures to be taken in case of accidents or emergencies during construction. The Plan addresses each accident and emergency situations (including leakage of hazardous materials), and security issues relating to the environment and health (both the workers and the community). This plan at the least covers the following:</p> <ul style="list-style-type: none"> <li>ÉProcedures to address cases of leakage / release of hazardous substances (e.g. Materials used for winter maintenance).</li> <li>ÉStaff training.</li> <li>É Procedures of reporting to authorities and protocol for informing the public on avoiding risks to health and safety.</li> <li>ÉMaterials and equipment for dealing with leaks: e.g. Absorbent substrates, pumps, equipment for cleaning spillages etc.</li> <li>ÉAssessment of the possible spills / leaks: e.g. Storages for fuel.</li> <li>É Procedures for safe removal and disposal of contaminated materials.</li> <li>ÉTransport of dangerous and toxic materials.</li> </ul>	EBRD PR3 International good practice (including EU requirements) The Law on Spatial Planning and Construction BD The Law on Environmental Protection BD BiH Nature Protection Act BD	<p>Responsibility: Contractor</p> <p>Resources: ESHS resources; Costs of preparation and implementation of the Emergency Plan;</p>	Construction phase	Emergency response shall be made before construction and submitted to the Consultant for supervision, to PC and BD for approval within 45 days of the contract award.		
	<p><b>Emergency Plan During Construction:</b></p> <p>Prior to the construction contractor shall develop emergency response plan stating the measures to be taken in case of accidents or emergencies during construction. The Plan addresses each accident and emergency situations (including leakage of hazardous materials), and security issues relating to the environment and health (both the workers and the community). This plan at the least covers the following:</p> <ul style="list-style-type: none"> <li>ÉProcedures to address cases of leakage / release of hazardous substances (e.g. Materials used for winter maintenance).</li> <li>ÉStaff training.</li> <li>É Procedures of reporting to authorities and protocol for informing the public on avoiding risks to health and safety.</li> <li>ÉMaterials and equipment for dealing with leaks: e.g. Absorbent</li> </ul>	EBRD PR3 International good practice (including EU requirements) The Law on Spatial Planning and Construction BD The Law on Environmental Protection BD BiH Nature Protection Act BD	<p>Responsibility: BD / Operator</p> <p>Resources: ESHS resources; Costs of preparation and implementation of the Plan of emergency;</p>	Phase of work	Emergency response plan shall be made prior to the construction.		

	<p>substrates, pumps, equipment for cleaning spillages etc.</p> <p>ÉAssessment of the possible spills / leaks: e.g. Storages for fuel.</p> <p>É Procedures for safe removal and disposal of contaminated materials.</p> <p>ÉTransport of dangerous and toxic materials.</p> <ul style="list-style-type: none"> <li>É Protective measures during construction of the road in case of spills of fuel and petroleum products from tanks and in the case of combustion of fuel and oil produces.</li> </ul>						
31	<p><b>Rehabilitation Plan:</b></p> <p>A Rehabilitation Plan is required for all temporary construction sites to ensure their return to the state prior to the start of construction, at least. Land regulation of temporary construction areas is considered in the Rehabilitation Plan and integrated / harmonized with the relevant provisions of the Plan of Land Development.</p> <p>All access roads are also to be returned to their original state. All waste is removed.</p>	<p>EBRD PR1</p> <p>The Law on Spatial Planning and Construction BD</p> <p>The Law on Environmental Protection BD BiH</p>	<p>Responsibility: Contractor</p> <p>Resources: Time engagement management / professional fees for the Remediation Plan; Renovation costs BD Government PC Consultant for supervision of construction works</p>	Construction phase	<p>Applies to all temporary construction sites. Rehabilitation Plans for each temporary construction site are made prior to the start of construction.</p>		
32	<p><b>Road Safety and Traffic / Vehicle Management During Construction:</b></p> <p>The contractor prepares a plan of traffic management for construction needs and ensures that the site is clearly marked, and applies measures to avoid / reduce the risk of accidents. Qualification of drivers must be confirmed and policies of consuming drugs and alcohol will apply to all drivers involved in project work.</p> <p>Return standards, separation and one-way systems.</p> <p>Contractor considers the implementation of initiatives to road safety including pedestrian safety during the works, where applicable.</p> <p>As part of the Plan of social management Contractor enters the provisions relating to the transport routes, traffic management plan for construction needs (including on the number and type of construction vehicles etc.). These provisions build on measures to</p>	<p>EBRD PR2 and PR4</p> <p>Labor Law BD BiH</p> <p>Law on road safety BiH</p> <p>The Law on Spatial Planning and Construction BD</p> <p>The Law on Environmental Protection BD BiH</p>	<p>Responsibility and Resources: Contractor</p> <p>The cost of time management and implementation of the Plan of construction site management</p> <p>BD Government PC Consultant for supervision of construction works</p>	Construction phase	<p>All measures are applied at the beginning of construction and are contained in the Plan of site management - Project of temporary traffic signals, in connection with the plan and program of work.</p>		

	<p>limit harassment and disruption of local communities and the environment, and in particular:</p> <ul style="list-style-type: none"> <li>É Construction work is managed by coordinating with the provisions of environmental protection and work environment.</li> <li>É The contractor is required to prevent damage to the local access roads and any damage as a result of the works must be repaired.</li> <li>É Avoid collecting mud on local roads.</li> <li>É When possible routes of construction traffic should avoid sensitive areas, potential disturbing at a certain time should be considered, that is, for example, certain routes are not used during the night etc.</li> </ul> <p>There are available mechanisms from the Plan of engagement of stakeholders in order to ensure communication with the community and appeal procedures for handling complaints about harassment and disruption. In such cases, the Contractor shall apply corrective measures.</p>						
33	<p>PC, BD and its contractors ensure the establishment of specific measures for the protection of public infrastructure:</p> <p>Contractor shall implement measures that reduce disruption of existing public infrastructure and provides access to the beneficiaries of public infrastructure. This measure includes:</p> <ul style="list-style-type: none"> <li>É Maintenance and reconstruction of local roads used during construction of a road.</li> <li>É Provision of alternative routes of access to agricultural land, buildings and residential buildings during construction.</li> <li>É The application of the measures required to ensure continuous supply of local communities / businesses of electricity, etc.</li> <li>É Applying measures in case of contact with water pipes to ensure uninterrupted water supply.</li> </ul> <p>The Contractor shall take corrective measures in case of complaints from local communities to the use and access to public infrastructure.</p>	<p>EBRD PR4 International good practice Law on traffic safety on the roads of BiH The Law on Spatial Planning and Construction BD BiH The Law on Environmental Protection BD BiH Law on Roads BD BiH</p>	<p>Responsibility and Resources: Contractor PC BD Government Consultant for supervision of construction works</p>	Construction phase	<p>The application of measures to prevent the disruption of public infrastructure and communities that use the public infrastructure. Consideration of complaints on access to and use of existing public infrastructure during construction and taking corrective action.</p>		
34	<p><b>Chance Finds of Unexploded Ordnance:</b></p> <p>Contractor establishes the procedure to be applied in case of detection of unexploded ordnances during construction. In these cases, the Contractor shall immediately inform the competent authorities (police and civil defense), visible marks and secures the area until the arrival of the authorities.</p>	<p>EBRD PR4 The Law on Spatial Planning and Construction BD The Law on Environmental Protection BD BiH Law on the protection of workers BD</p>	<p>Responsibility: Contractor Resources: ESHS resources BD Government PC Consultant for supervision of construction works BHMACH</p>	Construction phase	<p>The procedure for accidental finding was made prior to construction.</p>		

35	<p><b>Temporary Construction Sites:</b></p> <p>Temporary construction sites / facilities are not placed within the sensitive areas, such as nearby local community or nearby groundwater. In all such temporary facilities are applied sanitary measures and measures of water supply and pollution control.</p>	<p>EBRD PR1 International good practice The Law on Spatial Planning and Construction BD The Law on Environmental Protection BD BiH</p>	<p>Responsibility and Resources: performer BD Government PC Consultant for supervision of construction works</p>	<p>Construction phase</p>	<p>At the stage of selecting the site conditions for placing of the same are considered. Necessary approvals / permits are to be obtained and protection measures are identified before construction begins on the site.</p>		
36	<p><b>Land Acquisition, Involuntary Resettlement and Economic Displacement:</b></p> <p>PE, BD and its contractors apply Resettlement Action Plan that is consistent with PR 5 and follow the implementation of resettlement and land purchase to ensure that this procedure follows the requirements set out in the Resettlement Action Plan. It should be ensured that all affected owners / land users (including informal land users) are timely informed, consulted and that they are compensated for their property damage and loss:</p> <ul style="list-style-type: none"> <li>ÉPrimarily through contracted alignment;</li> <li>ÉWith full amount of compensation;</li> <li>ÉBefore moving;</li> <li>ÉEvery required resettlement assistance;</li> <li>• ÉProviding special help to vulnerable groups in accordance with the terms of the Resettlement Action Plan.</li> </ul>	<p>BD legislation EBRD PR5 International good practice Law on Expropriation Guidelines on prescribing single standards for estimating the market value of real estate BD The Law on Ownership and Other Property Rights BD Law on the legalization of illegally constructed buildings in BD Law on Social Protection BD Law on local communities BD Law on the Office to provide free legal aid Law on Free Access to Information BiH The Law on Administration of BiH Law on Protection of Personal Data BiH The Administrative Procedure Act BD The Law on</p>	<p>Responsibility: BD Government resources: Financial resources for compensations and relocation costs</p>	<p>Preconstruction phase Construction phase</p>	<p>The affected population was informed of the area covered by the project. The entire population affected by the project has established the previous standard of living. Monitoring of the number and type of complaints received.</p>	<p>Expropriation of 423 plots in 9 cadastral municipalities. 18 housing units were moved, the remaining four are expected during the month. For all plots exclusively monetary compensation was made.</p> <p>Detailed information can be found in the Report on implementation of the expropriation process and fees for relocation.</p>	

		Administrative Disputes BD BiH					
37	<b>Chance Finds:</b>  A Chance Fince procedure shall be prepared that meets PR8 requirements and states the actions undertaken in the event of finding unidentified archaeological remains and natural resources.	EBRD PR8 The Law on Spatial Planning and Construction BD The Law on Environmental Protection BD BiH Law on Monuments and Symbols BD BiH Law on the Implementation of the Commission decision on the protection of National Monuments (Annex 8, GFA for Peace)	Responsibility: Contractor Resources: ESHS resources	Constructio n phase	Procedures on random findings were adopted before all consents or earthworks.		
38	<b>Stakeholder Engagement Plan:</b>  It is introduced and applied Stakeholder Engagement Plan to determine all stakeholders, provide sufficient information about issues and impacts of the project (e.g. Construction impacts) and that the proposed mitigation measures are announced in time, that all stakeholders were consulted on a coherent and culturally acceptable way throughout the implementation of the project and that the measures to solve the problem of stakeholders are applied. Additional meetings to inform the public about the project, which are planned by BD Government, will be made public in accordance with the Stakeholder Engagement Plan. During the project, consultations on the design and approach from potentially affected people will be carried out.	EBRD PR10 Good international practices The Law on Spatial Planning and Construction BD The Law on Environmental Protection BD BiH Law on Free Access to Information		At all stages: Preconstruct ion during construction during exploitation	Plan of stakeholders' engagement passed before the construction.	Affected communities are regularly informed through the media about the progress of the project. All information that concern them (e.g. In connection with transport and access roads) were provided by PC employees involved in the project.	
39	<b>Grievance Mmechanism:</b>  In order to guarantee the interested parties the opportunity to express their concerns about the project and the works carried out an emergency response mechanism for complaints is being established, which confirms that the complaint is received within seven days and to respond to it will be within 25 working days .	EBRD PR10 Good international practice The Law on Spatial Planning and Constructin BD The Law on Environmental Protection BD BiH Law on Free Access to	Responsibility: PC, BD and Contractor Resources: ESHS resources Responsible for stakeholdersø involvement / social management	At all stages: preconstruct ion during construction during exploitation	The mechanisms for submitting appeals made before construction.	Making of Mechanism for appealing according to the guidelines of the EBRD.	

40	BD and PE will publish to local public impacts of the project on the environment and social issues and shall report annually to the Bank on this issue with the submission of the reports (e.g. annual report to the public, newspaper articles, etc.)	<p>Information</p> <p>EBRD PR10</p> <p>The Law on Spatial Planning and Construction BD</p> <p>The Law on Environmental Protection BD BiH</p> <p>Law on Free Access to Information</p>		Annually, during the project implementation			
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