LOCAL AND REGIONAL COMPETITIVENESS PROJECT

Environmental & Social Management Plan Checklist

“Krushevo adrenaline circuit – development of adventure tourism in Krushevo”

Municipality of Krusevo

Revision 1

Krusevo, April 2020

INTRODUCTION

Local and Regional Competitiveness Project (LRCP) is an investment operation, supported by European Union using funds from IPA II earmarked to competitiveness and innovation in N. Macedonia. LRCP will be managed as a Hybrid Trust Fund and consist of four components, executed by the World Bank and the Government of N. Macedonia. The Project will provide investment funding and capacity building to support sector growth, investment in destinations and specific destination prosperity. At the regional and local levels, the Project will support selected tourism destinations in the country through a combination of technical assistance to improve destination management, infrastructure investment and investments in linkages and innovation. The investments will be undertaken through a grant scheme for the regional tourism stakeholders such as municipalities, institutions, NGOs and private sector.

This Environmental and Social Management Plan (ESMP) Checklist has been prepared for activities carried out under the "Krushevo adrenaline circuit – development of adventure tourism in Krushevo" Project. The ESMP Checklist presents the project description, technical details, scope, setting and location based on which it assesses environmental and social risks. Implementation of mitigation measures addressing the identified risks and issues as well as monitoring plan defined in the ESMP Checklist is mandatory as is compliance with the national environmental and other regulation, and WB operational policies.

1. SHORT DESCRIPTION OF THE PROJECT

The basic need to be met through implementation of the proposed sub-project refers to overcoming of constrains in terms of limited or not appropriate infrastructure and supporting services for paragliding, biking and hiking as well as more indoor and outdoor supplemental activities in Krushevo as destination. Also, there is limited and inconsistent visitor signage within and around the town and the attractions subject to this sub-project. The sub-project envisages biking trail marking, installation of informative signs and souvenir shops and rehabilitation of the sports hall in Krushevo with extended purpose for climbing and bouldering.

The overall goal of the proposed sub-project is development and promotion of the adventure tourism in Krushevo and related sectors and promotion of Krushevo as a year-round destination with diversified offer for domestic and foreign tourist. The sub-project implementation will provide a stable foundation for growth and development of the local economy with utilization of the great natural and material potentials without restriction of the development activities within the destination of Krushevo.

Enrichment with new content of this wider location that abounds with attractions and monuments of particular historical and cultural importance of the Republic of Macedonia further increases its value and attractiveness for visitors, and affects the increase of competitiveness of the destination in regional and national frames.

The possibilities for paragliding on Krusevo due to its altitude, the proximity of the city to the flying sites are rated as unique on a world level.

On the other hand, the terrain by which the walking and cycling paths move according to its characteristics suit for both professionals and beginners cyclists, but walking in the area of Krusevo rich in diverse flora and fauna, in particularly pleasant weather all year round gives a unique experience.

The Sub-Project consists of five components:

1. Project management; Municipality of Krushevo has successfully realized many projects, working with different international donors. Therefore, the Sub-project management team will be composed of state servants with important experience in planning, realization and project management.

2. Soft infrastructure and rehabilitation of the sports hall in Krushevo with expanded purpose for bouldering and climbing area.

Sub-project soft infrastructure refers to:

- biking and hiking trails marking with 100 signs according to elaborates for hiking and biking trails prepared by the municipality,

- 4 informative tables to be placed at the begging of the hiking / biking trails providing all necessary information about each trail. It's about new tables that will be placed opposite hotel Montana in Krushevo as an urban equipment in line with an appropriate municipal programme,

- 5 souvenir shops (kiosks), urban equipment to be placed next to the Memorial House Tose Proeski and memorial complex dedicated to the Krushevo Republic from 1903. Positive opinion has been already provided from the National Institution "Institute for the Protection of Cultural Monuments and Museum" – Prilep being in charge for the area in Krushevo while preparing the technical design for the shops,

- 20 informative signs to be placed on existing pillars along the town of Krushevo pointing to landmarks, monument and museums making them accessible to the tourists. The activity refers to replacement of existing, damaged signs.

- 1 two sided billboard to be placed on the way to the paragliding take off site on existing metal construction.

In the framework of this sub-project, rehabilitation of the Sports Hall in Krushevo is the only infrastructural component. Sports Hall in Krushevo needs to be renewed with expanded use because the tourist potential of Krushevo is connected with the development of paragliding with the possibility of diversification of the tourist offer by sport climbing, however, no physical expansion of the building will take place and its dimensions will remain the same. Except for recreational sports activities, the sports hall will also be used for conditioning training of national teams considering the altitude of Krushevo and the opportunities offered by the city as an open air-spa.

The hall is located on the outskirts of the city in the existing sports and recreation zone, a tennis and basketball court and a playground for handball and football, as well as a fitness zone are located in the immediate vicinity of the hall, as well as the Museum of the National Liberation War, the Ilinden monument and Memorial Monument Memorial House Todor Proeski.

Rehabilitation of the sports hall in Krusevo includes:

- Preparatory works (Removal of Lexan plates positioned on the lanterns of the roof (312m^2), transport to legal landfill, removal of gullies, parquet and ceramic tiles, old wooden and metal windows and doors),
- Masonry works (Building of partition walls, refurbishment of part of the façade)
- Carpentry and locksmith works (Supply and installation of PVC windows and doors, door for evacuation, production and setting of aluminum fences)
- Insulating works (hydro insulation of reinforced concrete plate / terrain of the hall, and insulation of the sanitary nodes with three coatings from two-component waterproofing mass on cement base)
- Floors (Supply of material, transport and manufacturing of high-quality, multilayer elastic sport PVC floor above the cement layer d=8cm)

- Ceramics works (Covering of walls with ceramic tiles (228m^2), setting of floor ceramic tiles in wardrobes, shower rooms, sanitation and other accommodations that are used visitors (135m^2). The tiles should be covered by anti-slip porcelain),
- Painting (Refurbishment of walls and painting with color on the inside, color and tone are to be chosen by the investor (2387m^2),
- Tinsmith works (supply, transport and installation of envelope tin gutters, downpipes and similar from tin platted steel and PVC plated steel),
- Supply and installation of sport equipment (Purchase and installation of: plastic chairs – 600 pcs, goals with net – 2 pcs, volleyball network, table tennis network, tables – 2pcs, blades and balls, gymnastics equipment, FIFA, EHF, FIVB, FIBA standard balls for football and basketball, "Medical" balls of 4, 5, 7, 10, 15 kg, set of boxing gloves of 10 ounces, supply, transportation and installation of protective network from polyethylene rope placed on an inner wall, with a surface of 160 m2
- Lighting installations (Setting of reflectors BVP, LED 120/NWA (36 pieces)
- Installation of central system for sanitary warm water - currently hot water system does not exists (Supply, transport and installation of an equipment for central system for sanitary warm water from solar collectors with storage capacity of 500 liters of water, together with the needed technical documentation, attest, certificates and other. The equipment will be bought by a licensed manufacturer).
- Replacement and reconnection within the existing water and sewer system of the sports hall. Within the building, where needed new lines will be placed to avoid demolition of the existing structure***. No interventions to the public water supplying and sewerage network or works on the municipal network outside the building's boundaries will be done.***
- Climbing wall and bouldering wall installation within the existing space. No annexes to the building will be built. In the building there will be two artificial rocks, one of which is internal for bouldering (bouldering rock), and the other is on the outside facade of the building (climbing wall). The construction required for the rocks is recommended to be a lattice construction system with the possibility of mounting and dismantling. The construction of the artificial rocks represents a lattice steel spatial structure, composed of steel elements that form a console spatial grid.

All of the work to be performed in accordance with the building and safety norms and standards together with supply and installation of the material, involving cleaning and transport of the building waste. ***There is no asbestos in roofing or walls, lead paint, CFLs. The PVC floor in the composition contains no lead and other materials classified as CMR (carcinogens, reprotoxic) and meets the REACH-CREATION 55 CLIC standards.***

Earthworks will be carried out as part of the water lines and sewer lines reconstruction works. Land surplus and construction rubble will be driven away to the landfill licensed in line with the national legislation.

In order to ensure greater functionality of the sports hall in Krushevo and to regulate the access to the climbing wall installed on the external wall of the sports hall, as well as to apply the measures and procedures for safe risk management while practicing sports, recreational and training activities on the climbing wall, the rehabilitation of the sports hall includes additional activities for landscaping around the Sports Hall in Krusevo.

Landscaping around the Sports Hall in Krusevo includes:

1) EARTHWORKS (Marking the building, excavating the ground, breaking, removing the existing path on back side of the sports hall, planning and rolling the field, transporting waste material to a landfill licensed in line with the national legislation)
2) UPPER LAYER (Purchase, transport and installation of 389 m2 "BEKATON" tiles d = 8 cm on a previously prepared base of compacted crashed stone d = 15 and d = 5 cm sand layer for leveling, transport and installation of concrete side gutter)
3) STREET GUTTER/DRAIN CHANNEL (Excavation of trench, concrete and reinforced concrete works for making a street gutter Φ 500 with an average height of 1.0 m, drainage of the storm water with a corrugated double layer pipe Φ 200 with a length of 9m)
4) FANCING WALL around climbing wall (earthworks, concrete and reinforced concrete works and locksmith works: fabrication, transport, and installation of fence and double-sided entrance door made of steel profiles filled with universal plasticized steel wire knitting)
5) GROUND AROUND SPORTS HALL (excavation of humus in a layer up to 30 cm, delivery of fertile soil, its distribution in a layer of d = 10, planning and rolling the field, grass planting on the prepared ground, correction of existing AB shaft height)
6) SUPPORTING WALL (earthworks, concrete and reinforced concrete works: concreting of AB foundation with MB30, 4.00 m3, concreting of AB wall with thickness of d = 20cm, 2.40 m3, procurement, transport metal armature Q - 188 on both sides of the wall and the upper and lower zone of the foundation, 400 kg).
7) ELECTRICAL INSTALLATION for ground lighting, video surveillance and alarm system of the sports hall in Krushevo (Procurement, transport and installation of a tin cabinet 500x500x200 mm with appropriate electrical equipment, automatic fuses, supply, transport and installation of candelabra, street LED lamps purchase, lighting, transport and installation LED reflector, supply, delivery and installation of surveillance cameras, camera recorder, motion detection sensors, alarm siren with sound and light, complete alarm system and other material required for electrical installation)

5 souvenir shops will be placed at the specified location as urban equipment with the possibility of their removal. Because it is urban equipment, it will be placed on a foundation that will be prepared by the municipality on a regulated construction area in line with an appropriate municipal programme. Each souvenir shop will have 9 m2 and will be made of constructive system of metal profiles. The facade will be made of a facade panel with adequate insulation and gypsum board from the inside. The doors and windows will be made of PVC with a white color with thermal insulating glass. For protection from external influences, protective lids are provided which will be a good solution from a functional and aesthetic aspect. The roof will be a panel of sheet metal with adequate insulation of 8 cm. The design will include adequate ventilation/air conditioning system.

The souvenirs will be placed near the sports recreational complex, the Historical Museum dedicated to the Ilinden Uprising of 1903 and the NLS and the Memorial House of Tose Proeski.

Location description for the souvenir shops and the sports hall is provided at the end of this document.

Current outdoor and indoor state of the building is provided as well through photo documentation.

The information boards, signs and billboard that will be developed and made within the sub-project will direct visitors to the tourist attractions in the city and its surroundings. One 2 sided billboard will be placed on the road to the paragliding take off site “Crn Vrv” on existing construction to replace the existing one which is damaged due to the material used for its construction. 100 informational signs will be set up along the bicycle and pedestrian paths presented in appropriate elaborates. At the beginning of the trails, 4 information boards will be set, one for each track. 20 information signs will

be installed throughout the city, and will lead to certain sites, in order to replace the existing, but damaged signs.

The existing signs are placed on concrete poles along the streets of the city. Of the most of the signs the metal frames are remained. They will be removed and handed over to recycling by the public utility company established by the municipality. Damaged signs will be replaced with new ones.

3. The project will be supplemented with the purchase of rescue equipment, a 4-wheel car for transporting injured as well as vehicle (minibus) for transport of paragliding pilots from the landing site to the place of departure. Safety and security are an essential element in the management of the tourist destination.

The technical specifications provided by the vehicle supplier should be checked according the minimum EURO 4 emission standards.

4. Capacity building of the tourism stakeholders; the activity includes seminars, round tables and workshops with providers of services and the institutions that secure conditions for tourism development from Krushevo and Macedonia as well as advanced training and licensing of the existing mountain rescue service.

Special attention will be paid to the upgrading of the professional capacities of all stakeholders involved in the tourism development chain in the framework of the project. The increased individual and institutional capacity in terms of sustainable tourism development and the establishment of public-private cooperation are a key part of the project, recognizing the value and the power of a developed destination brand. In the adventure tourism development chain, human resources are a key capital element that delivers consistently value, which increases loyalty to the brand and visitors regularly return to the destination.

5. Marketing, communication and adventure tourism fairs participation; Using a mix of digital and traditional media the sub-project will secure exposure the target audiences to information about Krushevo as a destination and trigger interest in learning more about the destination with an ultimate goal visiting and spending time in the destination. The two fairs participation will enable Krushevo as a destination to match the right product and service with the right market or audience (both tour operators and tourists).

The marketing and communication activities of the subproject will proactively increase the awareness of Krushevo as a destination for traveling, will motivate adventurous travelers to complete research after their arrival in Krushevo.

2. ENVIRONMENTAL CATEGORY

LRCP is supported by European Union grant and implemented jointly by Cabinet of the Deputy Prime Minister for Economic Affairs, as the implementing agency of funds, and the World Bank. LRCP has been classified as Category B project, meaning some level of adverse impact can be expected as a result of its implementation, but none of them significant, large-scale or long-term. As a result of this classification OP 4.01 Environmental Assessment is triggered. Subsequently, the CDPMEA prepared Environmental and Social Management Framework (ESMF) to guide environmental due diligence of sub-projects supported through the Component 3 grant scheme, define eligibility and procedures for screening and environmental assessment. All project (and sub-project) activities must be implemented adhering with the ESMF, WB operational policies and procedures and national regulation (the strictest one prevails).

A proposed sub-project is classified as Category B- due to the fact that its future environmental impacts are less adverse than those of Category A and B+ sub-projects taking into account their nature, size and location, as well as the characteristics of the potential environmental impacts.

The category would require an EA to assess any potential environmental impacts associated with the proposed sub-project, identify potential environmental improvement opportunities and recommended any measures needed to prevent, minimize and mitigate adverse impacts. The scope and format of the EA will vary depending on the sub-project, but will typically be narrower than the scope of Environmental Impact Assessment (EIA), usually in form of Environmental and Social Management Plan (ESMP). The scope of ESMP is defined in Annex D of the ESMF. For the sub-projects involving simple upgrades, rehabilitation or adaptation of the buildings, ESMP checklist would be used (template given in Annex F of the ESMF).

B- Category would include sub-projects that also: (a) involve working capital loans which include purchase and/or use of hazardous materials (e.g. petrol) or (b) process improvements that involve purchase of equipment/machinery presenting a significant potential health or safety risk. According to Macedonian laws, types of sub-projects that fall under category B- do not require EIA.

Activities encompassed by the project that might produce adverse environmental impacts are tied to works under Sub-Project Component 2 (Soft infrastructure and rehabilitation of the sports hall in Krushevo with expanded purpose). However, these activities are expected to produce only temporary, typical, short term and limited adverse environmental impacts.

3. OVERVIEW OF IMPACTS

As result of envisaged sub-project activities including rehabilitation of Sports Hall following impacts were identified:

1. Possible negative safety and health impacts on the population, drivers and workers (local impacts limited to the locations of rehabilitation of sport hall, short term, present only in implementation phase) due to:
- Lack of security and safety measures during the rehabilitation works,
- Injury occurred on or near the site of works (e.g. due to lack of protection clothes or equipment, or other safety shortcomings),
- Non-compliance with safety standards and work procedures,
- Inadequate traffic management and pedestrian safety .

2. Possible increase of the environmental and occupational safety risks and health risks to all citizens due improper or lack of regular maintenance of the vehicle for transport of pilots in the operational phase (min. 18 – max 24 seats) and the 4 wheel drive vehicle.

3. Possible emissions from transport vehicles and impact on air quality (local impacts, limited to the locations of rehabilitation of sport hall, present only in implementation/ rehabilitation phase) due to:

- emissions of dust from transport of materials, materials management and civil works,
- exhaust fumes from working machinery and vehicles, and traffic, as well as causing changes in the existing traffic circulation because the rehabilitation location is close to a regional road.

4. Possible vibrations emissions and noise disturbances as a result of transport vehicles moving through the city to the working site (mostly local impacts limited to the location of rehabilitation of sport hall present only in implementation phase).

5. Inadequate waste management and untimely collection and transport of waste. Possible side effects/impacts on the environment and adverse health effects may arise as a result of generating and management of different types of waste (primarily construction waste, wood, metals, glass plastic, hazardous waste, e.g. paint residues, spent engine oil). These impacts are local (possibly regional depending in the management and final disposal/processing location), limited to the location of rehabilitation of sport hall, if proper waste management is not envisaged in operation phase, there is a possibility these impacts to be long term with repetitive occurrence).

6. Impacts to soil and water from leaks, spills and improper construction and hazardous waste management.

4. PURPOSE OF EMP CHECKLIST, DISCLOSURE REQUIREMENTS

The World Bank requires an Environmental Assessment (EA) for projects proposed for funding by the World Bank in order to ensure that they are sustained and sustainable from the environmental point of view and thus improve decision-making. EA is a process whose breadth, depth and type of analysis depend on the nature, scope and potential environmental impacts of the proposed project. The EA assesses the possible environmental risks of the project, as well as their impacts in the area covered by the project.

According to the conducted screening of the Application for Expression of Interest (including the Environmental Questionnaire), the sub-project "The Circle of Adrenaline - Development of Adventure Tourism in Krusevo" was categorized as B-. The subprojects are classified in category B- Potential impacts on the environment are less harmful than sub-projects in categories A and B + given their nature, size and location, as well as the characteristics of potential environmental impacts. The scope of the environmental assessment for the sub-projects may be different for different sub-projects, but it is usually less than the scope of the Environmental Impact Assessment, most often in the form of an Environmental and Social Management Plan (ESMP). For sub-projects that envisage simple upgrades, reconstructions or adaptations of objects, the ESMP Checklist is used. The form of the ESMP Checklist is defined by the Environmental and Social Management Framework for the Local and Regional Competitiveness Project.

ESMP Checklist is applied for minor rehabilitation or small-scale building construction. It provides “pragmatic good practice” and it is designed to be user friendly and compatible with WB safeguard requirements. The checklist-type format attempts to cover typical mitigation approaches to common civil works contracts with localized impacts.

The checklist has one introduction section (Introduction part in which the project is described, part where environmental category is defined, identified impacts, and ESMP Checklist concept explained) and three main parts:

.

- **Part 1** constitutes a descriptive part (“site passport”) that describes the project specifics in terms of physical location, the institutional and legislative aspects, the project description, inclusive of the need for a capacity building program and description of the public consultation process.

- **Part 2** includes the environmental and social screening in a simple Yes/No format followed by mitigation measures for any given activity.
- **Part 3** is a monitoring plan for activities during project construction and implementation. It retains the same format required for standard World Bank EMPs. It is the intention of this checklist that Part 2 and Part 3 be included as bidding documents for contractors.

The procedure for disclosure the ESMP Checklist was as follows: ESMP Checklist in Macedonian, Albanian and English language was disclosed on the website of the LRCP and on the website of the recipient - Municipality of Krushevo and was available to the public for 14 days, from 22nd of March to 06th of April, 2018. It was available in hard copy in the premises of the LRCP and in Krushevo municipality. When it is announced, the call for remarks on the documents was issued along with the available electronic and postal address for sending the remarks. There were no remarks on the content and activities of the project "Krushevo adrenaline circuit – development of adventure tourism in Krushevo" and the Environmental & Social Management Plan Checklist prepared within the project.

Revision A of the ESMP Checklist in Macedonian, Albanian and English language was disclosed on the website of the LRCP and on the website of the recipient - Municipality of Krushevo and was available to the public for 14 days, from 22nd of March to 06th of April, 2018. It was available in hard copy in the premises of the LRCP and in Krushevo municipality. When it is announced, the call for remarks on the documents was issued along with the available electronic and postal address for sending the remarks.

5. APPLICATION OF EMP CHECKLIST

ESMP Checklist is a document prepared and owned by Municipality of Krushevo. The design process for the envisaged in the subproject "The Circle of Adrenaline - Development of Adventure Tourism in Krusevo" will be conducted in three phases:

1. *General identification and scoping phase*, in which the object for reconstruction and adoption is selected and an approximate program for the potential work typologies elaborated. At this stage, Parts 1, 2 and 3 of the ESMP Checklist are drafted. Part 2 of the Checklist EMP can be used to select typical activities from a "menu" and relate them to the typical environmental issues and mitigation measures. Public consultations took place, ESMP is finalized.
2. *Detailed planning and tendering phase*, including specifications and bills of quantities for construction works, equipment goods, marketing and other services related to the subproject. The whole filled in tabular ESMP (Part 1, 2 and 3) will be attached as integral part to the bidding documentation and works contract as well as supervision contract, analogous to all technical and commercial terms, has to be signed by the contract parties.
3. *During the works implementation phase* environmental compliance (with ESMP Checklist and environmental and health and safety (H&S) regulation) and other qualitative criteria are implemented on the respective site and application checked/supervised by the site supervisor, which include the site supervisory engineer or supervisor of the project appointed for ESMP Checklist implementation supervision. The mitigation measures in Part 2 and monitoring plan in Part 3 are the basis to verify the Contractor's compliance with the required environmental provisions.

Practical application of the ESMP Checklist will include the achievement of Part I for having and documenting all relevant site specifics. In the second part, the activities to be carried will be checked

according to the envisaged activity type and in the third part the monitoring parameters (Part 3) will be identified and applied according to activities presented in Part 2.

The whole ESMP Checklist filled in table (Parts 1, 2 and 3) for each of the type of work should be attached as integral part of work contracts and as analogue with all technical and commercial conditions which should be signed by the contracting parties.

6. MITIGATION MEASURES

The measures to avoid and reduce/mitigate the identified impacts on the living environment, workers and communities, and social aspects of the subproject to be applied within the subproject are, but not limited to, the following:

Appropriate marking of the site for reconstruction, marking the appropriate location for temporary storage of the construction material on the site, providing warning strips, fences and markings, prohibiting entry of unemployed persons into the warning strips, applying the safety measures to citizens, machines to be run only from experienced and trained personnel, constant presence of fire extinguishers in case of fire or other damage, wearing protective equipment and clothes at all times, fixing scaffolds, and other H&S measures, flammable liquids can be placed and stored exclusively in vessels designed for that purpose.

All workers must be aware of the dangers of fire and firefighting measures and must be trained to deal with fire extinguishers, hydrants and other devices used to extinguish fires that need to be functional.

The noise level should not exceed 55dB during the day and 45dB at night and the construction work will not be performed overnight.

Identification, classification and separate temporary storage (in separate clearly marked waste bins/containers on separate pre-defined location on site and in sufficient number) of different types of waste that could be generated from rehabilitation and proper waste treatment. Waste can be transported and landfilled/processed only by licensed companies.

Establish a special traffic regime for the vehicles of the contractor during the period of rehabilitation, with appropriate signaling.

Signing a contract with the service company for regular maintenance, replacement of spare parts, preventive lubricant oil changes, proper maintenance (exhaustion fumes and safety e.g. breaks, tires, etc.) as one of the most important safety function, etc, regular washing of the vehicles and keep the parking site clean, forbidden replacement of motor oil at the parking site to avoid the oil and pollution of waters and soil, perform regular annual approval test during the annual registration of the vehicles.

Mitigation measures described in this section are the general ones, detailed mandatory mitigation measures are provided in the table Mitigation Measures Checklist (Part 3).

7. MONITORING AND REPORTING PROCEDURES AND DISTRIBUTION OF RESPONSIBILITY

For the monitoring of Contractor's ESMP Checklist implementation, the site supervisor or responsible person appointed by the Beneficiary (in the case of works that do not require engagement of supervising engineer; site supervisor in the further text) will work with Part 2 and 3 of the ESMP Checklist, i.e. the monitoring plan. Part 2 and 3 is developed in necessary detail, defining clear mitigation measures and monitoring which can be included in the works contracts, which reflect the status of environmental practice on the working site and which can be observed/measured/ quantified/verified by the supervisor during the works.

Part 3 practically reflects key monitoring criteria which can be checked during and after works for compliance assurance and ultimately the Contractor's remuneration.

Such mitigation measures include, but are not limited to, the use of Personal Protective Equipment (PPE) by workers in site and later during operation especially related to the climbing wall and bouldering rock, dust generation and prevention, amount of water used and discharged in site, waste water treatment, presence of proper sanitary facilities for workers, waste collection of separate types (wood, metals, plastic, hazardous waste, e.g. paint residues, spent engine oil), waste quantities, proper organization of disposal pathways and facilities, or reuse and recycling wherever possible. In addition to Part 3, the site supervisor should check whether the contractor complies with the mitigation measures in Part 2. Reporting on implementation of practices should be described in the regular report toward PIU.

An acceptable monitoring report from the contractor or site supervisor would be a condition for full payment of the contractually agreed remuneration, the same as technical quality criteria or quality surveys. The reporting on ESMP Checklist implementation will be quarterly. To assure a degree of leverage on the Contractor's environmental performance an appropriate clause will be introduced in the works contracts, specifying penalties in case of noncompliance with the contractual environmental provisions, e.g. in the form of withholding a certain proportion of the payments until the corrective measures are applied and sub-project in compliance, its size depending on the severity of the breach of contract. For extreme cases a termination of the contract shall be contractually tied in.

Implementation of the ESMP Checklist defined measures will be monitored by the supervisor/supervising engineer, the Municipality of Krusevo / communal inspector and the departments for urbanism and local development whose employees are members of the project team as well as PIU environmental expert.

The implementation of the measures will be followed before commencing work, during the reconstruction and after its completion.

The applicant (s) is obliged to regularly submit quarterly reports on the implementation and monitoring of environmental mitigation measures (e.g. in the form of a tabular overview (tables mitigation plan and monitoring plan) with an additional column giving the status of the measures, observations and comments, and Monitoring of the measure (implemented / not implemented, results, observations, comments, concerns, when, etc.).

PART 1: INSTITUTIONAL & ADMINISTRATIVE		
Country	Republic of Macedonia	
Sub-Project title	Krushevo adrenaline circuit – development of adventure tourism in Krushevo	
Scope of sub-project and particular activities	Reconstruction of a sports hall with extended use for climbing and bouldering. During the phase of delivery of the vehicle for transport of pilots (min. 18 – max 24 seats) and the 4 wheel drive vehicle to access the mountain rescue service to inaccessible terrain, preventive measures will be implemented when the new vehicles are delivered including check of the all technical specifications of the delivered vehicles in comparison with the technical requirements established prior the tender procedure. Installation of kiosks. Installation of signs and informational boards.	
Institutional arrangements (Name and contacts)	**Project management***	
	The persons responsible for ordering and implementing the works encompassed by the ESMP Checklist by the Beneficiary will be Vasil Joseski, civil engineer, manager of the department for urbanism, communal works and protection of the environment in the Municipality of Krushevo.	The contractor will appoint responsible site engineer with appropriate license according to the Law on construction of the Republic of Macedonia
Implementation arrangements (Name and contacts)	**Supervision**** Supervising engineer will be appointed in a separate procurement procedure consequently to the procedure for the selection of contractor for the reconstruction works. **(**Upon completion of the procedure, the name and contact of the Supervising Engineer will be added to the fields below).	
SITE DESCRIPTION		
Name of site	Sport and recreation Complex Gumenje; Krushevo Municipality	
Describe site location	The site is located next to the Gymnasium in Krushevo, within the zone for sport and recreation according to the urban plan of the Municipality.	Annex 1: Site information (figures from the site) [**X**]Y [ ] N

	The site is near local attractions that would result in more visits, through expanded activities in days with absence of flying activities. Tennis and basketball court and playground for handball and football as well as fitness zone, are located in the immediate vicinity of the hall, then the Museum of the National Liberation War, the monument Ilinden and the Memorial House Todor Proeski are located near by the location. The souvenir shops (5 pieces) will be placed in the immediate vicinity of the Memorial House Tose Proeski. Their position is provided on the Annex 1 (Site information). The informative signs will be placed along the streets in the town on existing pillars as well as along the biking and hiking trails. The informative boards will be placed opposite hotel Montana in Krushevo. (4 pieces) The billboard will be placed in the way to the paragliding take off site Crn Vrv on existing construction.	
Who owns the land?	The Owner of the plot on which the rehabilitation activities are planned to be carried out is the Republic of Macedonia, user is the Municipality of Krushevo, by a decision published in the Official Gazette of the Republic of Macedonia no. 89/2006. The souvenir shops and the 4 informative tables (at the beginning of the biking trails) will be placed on a regulated construction land owned by the Republic of Macedonia.	
Geographic description	On the periphery of north – west part of the town in Krusevo in a sports and recreation area, away from the city and the hotel where the tourists are accommodated.	
LEGISLATION		
Identify national & local legislation & permits that apply to sub-project activity(s)	• Law on Construction ("Official Gazette of the Republic of Macedonia" No. 130/09, 124/10, 18/11, 36/11, 54/11, 59/11, 13/12, 144/12, 79/13, 137 / 13, 163/13, 27/14, 28/14, 42/14, 44/15, 129/15 and 39/16) • Law on Environment ("Official Gazette of the Republic of Macedonia" No.53 / 05, 51/05, 81/05, 24/07, 159/08, 83/09, 48/10, 124 / 10,51 / 11, 123 / 12.93 / 13.187 / 13, 42/14, 44/15, 129/15, 192/15 and 39/16) • Law on Waters ("Official Gazette of the Republic of Macedonia" No.87 / 08, 6/09, 16109, 83/10, 51 / 11.44 / 12.23 / 13,163 / 13180/14, 146/15 and 52 / 16); • Law on Waste Management ("Official Gazette of the Republic of Macedonia" No.68 / 04, 71/04, 107/07, 102/08, 143/08, 124 / 10.09 / 11.51 / 11.123 / 12 And 163/13); • Rulebook on the general rules for handling communal and other types of non-hazardous waste ("Official Gazette of the Republic of Macedonia" No.147 / 07); • Law on Packaging and Packaging Waste Management ("Official Gazette of the	

	Republic of Macedonia" No.161 / 09, 17 / 11,47 / 11,136 / 11,6 / 12, 39/12 and 163/13); • List of wastes ("Official Gazette of the Republic of Macedonia" No. 100/05); • Law on Chemicals ("Official Gazette of the Republic of Macedonia" No.145 / 10 and 53/11); • Law on Ambient Air Quality ("Official Gazette of the Republic of Macedonia" No. 67/04, 92/07, 35/10, 47/11, 100/12 and 10/15); • Law on protection against noise in the environment ("Official Gazette of the Republic of Macedonia" No. 79/07, 124/10 and 47/11); • Rulebook on limit values for the level of noise in the environment ("Official Gazette of the Republic of Macedonia" No.147 / 08); • A decision on determining in which cases and under what conditions the peace of the citizens against harmful noise is considered ("Official Gazette of the Republic of Macedonia" No.1 / 09); • Law on Nature Protection ("Official Gazette of the Republic of Macedonia" No. 67/04, 14/06, 84/07, 35/10, 47 / 11,148 / 11,59 / 12,13 / 13,163 / 13 and 41 / 14); • Law on occupational health and safety (“Official gazette of the RM“ No 92/07, 136/11, 23/13 and 25/13) • Law on Protection and Rescue ("Official Gazette of the Republic of Macedonia" No. 36/04, 49/04, 86/08, 124/10 and 18/11);
PUBLIC CONSULTATION	
Identify when / where the public consultation process took place and what were the remarks from the consulted stakeholders	The procedure for publishing the EMP Checklist was as follows: EMP Checklist in Macedonian, Albanian and English language was published on the website of the LRCP and the recipient as well as on the website of the municipality of Krushevo and was available to the public for 14 days, from 22nd of March to 06th of April, 2018. It was available in hard copy in the premises of the LRCP and in Krushevo municipality. When it is announced, the call for remarks on the documents was issued along with the available electronic and postal address for sending the remarks. There were no remarks on the content and activities of the project “Krushevo adrenaline circuit – development of adventure tourism in Krushevo” and the Environmental & Social Management Plan Checklist prepared within the project.
INSTITUTIONAL CAPACITY BUILDING	
Will there be any capacity building?	[**X**] N or [ ]Y if Yes, Annex 2 includes the capacity building information Within the project there will be capacity building of the tourist stakeholders in Krusevo. There are no capacity building activities referring to environmental issues.

PART 2: ENVIRONMENTAL /SOCIAL SCREENING			
Will the site activity include/involve any of the following:	Activity	Status	Additional references
	A. General requirements	[**X**] Yes [] No	
	B. Sport Hall rehabilitation including terrain arrangement around the sports hall	[**X**] Yes [] No	See Section A, B, E, F, H below
	C. Installation of kiosks	[**X**] Yes [ ] No	See Section A, C, E, F, H below
	D. Installation of boards and signs	[**X**] Yes [] No	See Section A, D, E, F, H below
	E. Cultural Heritage – chance findings	[**X**] Yes [] No	See Section E below
	F. Hazardous or toxic materials and wastes[1]	[**X**] Yes [ ] No	See Section F below
	G. Procurement of vehicles	[X] Yes [ ] No	See Section G below
	H. Traffic and Pedestrian Safety	[**X**] Yes [ ] No	See Section H below

[1] Toxic / hazardous material includes and is not limited to asbestos, toxic paints, removal of lead paint, etc.

ACTIVITY	PARAMETER	MITIGATION MEASURES CHECKLIST
A. General Requirements	Notification and Worker Safety	• Providing information to local population about the scope and time of commencement and time of duration of construction activities by preparing Notification which will be placed on the municipality notice board and on the municipal web page and through other means, if needed, to ensure the local population is well informed; • Local construction and environmental inspectorates are informed of works before the start; • All needed permits are obtained before the commencement of works (including construction and other); • All work will be carried out in safe and disciplined manner; • Workers personal protective clothes and equipment is available in sufficient quantities and is worn/used at all times; • Open pits are covered and clearly marked when not worked on; • Ensure the appropriate marking and informational board of the reconstruction site • Marking out the site for temporal storage of the reconstruction material near the site • Providing warning tapes, fences and appropriate signage informing danger, key rules and procedures to follow. • Forbidden entrance of unemployed persons within the warning tapes and fences when/where deem needed. • The surrounding area near the sports hall should be kept clean • Machines should be handled only by experienced and appropriately trained personnel, thus reducing the risk of accidents; • All workers must be familiar with the fire hazards and fire protection measures and must be trained to handle fire extinguishers, hydrants and other devices used for extinguishing fires • Devices, equipment and fire extinguishers should be always functional, so in case of need they could be used rapidly and efficiently. First aid kits should be available on the site and personnel trained to use it. • Procedures for cases of emergency (including spills, accidents, etc.) are available at the site. • The portable toilet should be placed on the construction site and maintenance by the certified company.

ACTIVITY	PARAMETER	MITIGATION MEASURES CHECKLIST
		• Purchased equipment will be installed and used respecting all safety measures prescribed by the producer of equipment, best practices and international standards including european standard for artificial climbing structures (EN 12572).
B. Sport Hall rehabilitation including terrain arrangement around the sports hall	Air Quality (Activity A&B)	• Construction site, transportation routes and materials handling sites should be water sprayed on dry and windy days. • Construction materials should be stored in appropriate places covered to minimize dust • Vehicle loads likely to emit dust must be covered. • Restriction of the vehicle speed to the reconstruction location. • Roads are regularly swept and cleaned at critical points. • Keep the topsoil and stockpiles separate. Protect with sheets/fences in the case of windy weather. • Locate stockpiles away from drainage lines, natural waterways and places susceptible to land erosion. • All loads of soil are covered when being taken off the site for disposal. • Ensure all transportation vehicles and machinery have been equipped with appropriate emission control equipment, regularly maintained and attested. • Ensure all vehicles and machinery use petrol from official sources (licensed gas stations) and on fuel determined by the machinery and vehicles producer. • There will be no excessive idling of construction vehicles at sites. • During interior demolition use debris-chutes above the first floor. • The vehicles, construction equipment and machines should be operated by experienced personnel well maintained and in accordance with the relevant emission standards; • Permanent maintenance of the vehicles (washing the wheels) and construction machines in order to identify accidental leakage of motor oils, emissions and the pollution expansions; • The materials that produce dust should be covered during the transportation; • Using protective masks for the workers in case of dust; • Ignition of fire and burning the waste at or around the construction site is forbidden.
	Transport and materials management (Activity A&B)	• Coarse aggregate in concrete applied and used in rehabilitation need to conform to durability and gradation requirements. • Mineral resources (aggregate, sand, gravel, etc.) are procured only from licensed companies with valid concessions for extraction/exploitation. The companies can prove H&S measures and environmental management is in place.

ACTIVITY	PARAMETER	MITIGATION MEASURES CHECKLIST
		• No air-conditioning systems containing ozone depleting substances (CFCs) are to be used. • No lead paint or CFL lightening will be used.
	Noise	• As it is an urban residential area (driving through the town to the site) the level of noise should not exceed 55dB during the day and evening and 45dB during the night • The construction work will not be permitted during the nights, the operations on site shall be restricted from 7.00h to19.00h (agreed in the permit). • During the operations the engine covers of generators, air compressors and other powered mechanical equipment should be closed, and equipment placed as far away from residential areas as possible. • Pumps and other mechanical equipment should be effectively maintained.
	Water and Soil Quality	• Prevent hazardous spillage coming from waste (temporary waste storage should be leakage protected and those for hazardous or toxic waste equipped with secondary containment system, e.g. double walled or bunded containers). • If hazardous spillage occurs, curb and remove it, clean the site and follow procedures and measures for hazardous waste management. • In the case of any run-off coming from works area possibly contaminated by hazardous substances shall be collected on site to a temporary retention basin and transported to an adequate licensed waste water treatment plant. • Ensure that water pumped back to natural waterways never exceeds the regulatory water quality standards by regular testing. • Install and maintain of proper sanitary facilities for workers. The wastewater from these sources should be transported to proper waste water treatment facilities. • Prevent hazardous spillage coming from tanks (mandatory secondary containment system, e.g. double walled or bunded containers), construction equipment and vehicles (regular maintenance and checkups of oil and gas tanks, machinery and vehicles can be parked (manipulated) only on asphalted or concrete surfaces with surface runoff water collecting system. • Working site run-offs with possible charge with suspended matter should be filtered before spillage to natural flows. • Water, and other components, in concrete mixture shall be clean and free of harmful chemicals.

ACTIVITY	PARAMETER	MITIGATION MEASURES CHECKLIST
	Waste management	The good waste management practice will be applied including: • Identification of the different waste types that could be generated at the reconstruction site and its classification according the national List of Waste (Official Gazette no.100/05); • Containers for each identified waste category are provided in sufficient quantities and positioned conveniently. • Waste collection and disposal pathways and licensed landfills/processing plants will be identified for all major waste types expected from demolition and construction activities. • Mineral (natural) construction and demolition wastes will be separated from general refuse, organic, liquid and chemical wastes by on-site sorting and temporarily stored in appropriate containers. Depending of its origin and content, mineral waste will be reapplied to its original location or reused. • All construction waste will be collected and disposed properly by licensed collectors and to the licensed landfills (or licensing processing plant). • The records of waste disposal will be regularly updated and kept as proof for proper management, as designed. • Whenever feasible the contractor will reuse and recycle appropriate and viable materials Discarding any kind of waste (including organic waste) or waste water to the surrounding nature or water-bodies is strictly forbidden. • Collect, transport and final disposal/processing of the communal waste by a licensed company; • The construction waste should be promptly removed from the site and re-used if possible; • The incineration of all waste at site or unlicensed plants and locations is prohibited. • Existing air-conditioning units are not to be refilled or emptied. If discarded, must be handled by specialized licensed companies.
C. Installation of kiosks	Soil Quality	• Exercise erosion and sediment control during works. • Removed mineral content (soil and rocks) should be reapplied to its original location if possible. Waste soil will not be dumped in the surrounding or water bodies, but reused or appropriately disposed to a landfill or location approved by the municipality and supervisor. • Keep vehicles to well define haul roads. • Soil work and management will take into account metrological data and conditions when planned and carried out (e.g. temperature of the soil, humidity, snow, ice, etc.).

ACTIVITY	PARAMETER	MITIGATION MEASURES CHECKLIST
		• Use of antifreeze and/or accelerator compounds is not allowed. • Continually inspect and assess the effectiveness of sediment control measures and apply improvement measures.
	Materials management	• No air-conditioning systems containing ozone depleting substances (CFCs) are to be used.
D. Installation of boards and signs	Water Quality	• Separate works from watercourses and runoff. In the case of water removal from pits or other areas, supervise pumping and implement precautionary that water pumped turbidity is minimal and filter before releasing to the natural recipients. • Ensure that water pumped back to natural waterways never exceeds the regulatory water quality standards by regular testing.
	Soil Quality	• Exercise erosion and sediment control during works. • Removed mineral content (soil and rocks) should be reapplied to its original location if possible. Waste soil will not be dumped in the surrounding or water bodies, but reused or appropriately disposed to a landfill or location approved by the municipality and supervisor. • Keep vehicles to well define haul roads. • Soil work and management will take into account metrological data and conditions when planned and carried out (e.g. temperature of the soil, humidity, snow, ice, etc.). • Use of antifreeze and/or accelerator compounds is not allowed. • Continually inspect and assess the effectiveness of sediment control measures and apply improvement measures.
	Nature protection	• Cover all excavated steep-walled holes and trenches (in the case they cannot be covered, construct ramps, e.g. planks). • Thoroughly inspect all holes and trenches before they are filled. • Prohibit the collection of firewood from and around working areas. • Disturbance of animals and collection of plants in the area is prohibited. • Minimal green surface is to be removed. No trees will be damaged or removed during works.
E. Cultural Heritage	Chance findings	In the case of chance findings, the works must be stopped immediately and competent authorities, (Ministry of Culture, Directorate for Protection of Cultural Heritage – Skopje, National Institution - Institute for the Protection of Cultural Monuments and Museum- Prilep) informed within 24 hours following the national procedures. Works will recommence upon approval of competent authorities.

ACTIVITY	PARAMETER	MITIGATION MEASURES CHECKLIST
F. Toxic Materials	Toxic / hazardous materials and waste management	• Temporarily storage on site of all hazardous or toxic substances (including wastes) will be in safe containers labeled with details of composition, properties and handling information. Chemicals are managed, used and disposed, and precautionary measures taken as required in the Material Safety Data Sheets (MSDS) • Hazardous substances (including liquid wastes) will be kept in a leak-proof container to prevent spillage and leaking. This container will possess secondary containment system such as bunds (e.g. bunded-container), double walls, or similar. Secondary containment system must be free of cracks, able to contain the spill, and be emptied quickly. • The containers with hazardous substances must be kept closed, except when adding or removing materials/waste. They must not be handled, opened, or stored in a manner that may cause them to leak. • The containers holding ignitable or reactive wastes must be located at least 15 meters (50 feet) from the facility's property line. Large amounts of fuel will not be kept at the site. • The wastes are never mixed and are transported by specially licensed carriers and disposed/processed only in a licensed facility. • Paints with toxic ingredients or solvents or lead-based paints will not be used. • Hazardous waste will be transported and handled only by licensed companies in line with the national regulation. • Hazardous waste will be disposed only to licensed landfills or processed in licensed processing plants.

ACTIVITY	PARAMETER	MITIGATION MEASURES CHECKLIST
	Asbestos management, radioactive lightning rods	• If asbestos is located on the project site, mark clearly as hazardous material and inform the environmental inspection as well as project environmental expert. • The asbestos prior to removal (if removal is necessary) will be treated with a wetting agent to minimize asbestos dust. • Asbestos will be handled, transported and disposed by skilled & experienced professionals. • If asbestos material is stored temporarily, the wastes should be securely enclosed inside closed containments and marked appropriately. • The removed asbestos will not be reused but disposed in a safe manner (sealed in containers or bags, in concrete cassettes, etc.) on a licensed landfill. • In the case radioactive lightning rods are found on the premises, the environmental inspectorate and other competent authority will be informed, as well as Project Environmental Expert. Competent authority instructions will be followed on dismantling, handling, transport and storage in line with the national legislation. Only specialized, licensed companies for handling radioactive materials are to be engaged for this work.
G. Procurement of vehicles	Improper or lack of regular maintenance could increase the environmental and occupational safety risks and health risks to all citizens	• Signing a contract with the service company for regular maintenance, replacement of spare parts, preventive lubricant oil changes, proper tire maintenance as one of the most important safety function, etc. • Regular washing of the vehicles and keep the parking site clean. • Forbidden replacement of motor oil at the parking site to avoid the oil and pollution of waters and soil. • Perform regular annual approval test during the annual registration of the vehicles.
H. Traffic and Pedestrian Safety	Direct or indirect hazards to public traffic and pedestrians by construction activities	• Set up a special traffic regime for the vehicles of the contractor during the period of reconstruction (together with the municipal staff and police department) and installation of kiosks and signs to ensure safety, traffic flow and access to land and facilities; • Announce timely alternative traffic regulation during works to the local communities (if there will be one). Signposting, warning signs, barriers and traffic diversions: site will be clearly visible and the public warned of all potential hazards. Ensure pedestrian safety. Special focus for safety of children since school is in the vicinity (fence off the site, install safe corridors, regulate traffic manually in the peak hours, etc.). Active traffic management by trained and visible staff at the site. • Ensuring safe and continuous access to office facilities, shops and residences during renovation activities, if the buildings stay open for the public. • Set up of vertical signalization and signs at the beginning of the rehabilitation site;

ACTIVITY	PARAMETER	MITIGATION MEASURES CHECKLIST
		• Adequate warning tapes and signage need to be provided and placed; • Forbidden of entrance of unemployed persons within the fence. • Installed boards and signs must not interfere with traffic safety and visibility. • Adjustment of working hours to local traffic patterns, e.g. avoiding major transport activities during rush hours or times of livestock movement.

PART 3: MONITORING PLAN						
What (Parameter will be monitored?)	**Where** (Is the parameter to be monitored?)	**How** (Is the parameter to be monitored?)	**When** (Define the frequency / or continuity?)	**Why** (Is the parameter being monitored?)	**Cost** (If not included in project budget)	**Who** (Is responsible for monitoring?)
Rehabilitation of the sports hall, installation of informative signs, boards, kiosks: Preparation phase						
1. Permits and approvals	Contractor's premises	Check whether all licenses, permits, approvals, etc. required by the national regulation are obtained;	Before works commencement		Included in the project budget	The authorized person / company for supervision Contractor
2. Information announced about start-up of works, fencing and marking the location	On the site	By placing a board with information about the investor, contractor and supervisor, fencing and marking the location	Before works commencement	To provide safe movement of passengers and vehicles	Included in the project budget	Supervisor Municipality of Krusevo / LED department
3. Site organization	On site	By checking proper fencing, installation of temporary sanitary facilities	Prior construction works commence		Contractor bears full cost, usually is not identified as separate category	Site supervising engineer
Rehabilitation of the sports hall, installation of informative signs, boards, kiosks: Implementation phase						

1. Occupational safety	On the rehabilitation and all working sites	Visual checks of equipment, attests, H&S protective equipment and clothes	Once at the very beginning of works and then periodically	To prevent health and safety risks – mechanical injuries To be in compliance with national and communal health and safety regulation and OH&S standards	Included in the project budget	Supervisor
2. Waste	On the site	Review the documentation – identification of the waste type according the List of waste, - Visual inspection that the waste is collected separately in adequately labeled containers, leakages. - review of the waste manifests and contracts and licenses of firms contracted for the collection and disposal of waste	At the beginning of works, than periodically	To separate hazardous from the non-hazardous waste as well as inert from biodegradable waste , to provide an appropriate disposal of different waste types, To improve the waste management on local and national level To be in compliance with national legal requirements, Not to leave the waste on the spot to avoid the environmental and health impacts	Included in the project budget	Contractor – Bidder Supervisor Municipality of Krusevo / communal inspector
3. Traffic Safety	Areas for public transport	Check the documentation:	Before / during carrying out transport	To provide safe movement of passengers and vehicles	Included in the project budget	Contractor – Bidder Supervisor

		- Whether all competent authorities have been notified, - Whether all the necessary permits and approvals have been obtained, Visual check of the transport of materials, pedestrian corridors and crossings, traffic regulation, etc.				
4. The management of toxic/hazardous substances and waste	During the rehabilitation period	Visual inspection and review of documents in terms of: - Adequate collection and storage of hazardous and toxic substances (including fuel) and waste - Transportation of hazardous waste only by authorized companies, - Review of declarations of purchased paint and solvents (avoidance	Periodically	To provide an appropriate management of toxic/hazardous substances and waste, To prevent spillages or leaks and prevent health and safety risks to workers, local population and environment	Included in the project budget	Contractor – Bidder Supervisor

		of hazardous paint and solvents),				
4.2 Toxic / Hazardous material	On site visual assessment	Proper handling and storage is checked according to Material Safety Data Sheets (MSDS)	Continuously, when the remains are removed	To prevent accidental spilling or injuries	Part of the regular contractor cost	Supervising engineer costs, Inspection
5. Air	On the site	Visual inspection: Painting and coating in indoor premises of the sports hall (ventilated and enclosed spaces), Fugitive emissions. Dust management	Periodically	To prevent air pollutions	Included in the project budget	Contractor – Bidder Supervisor
6. New materials and equipment	On the site	Check the documentation of installed devices and elements; newly built-in devices must not contain: - CFC - and asbestos.	Periodically	To prevent installation of materials containing CFC, asbestos…	Included in the project budget	Contractor – Bidder
7. Noise	On the site	Measuring levels of noise should be carried out in the case	In the case of complaints and	To prevent or limit noise	Included in the project budget	Contractor – Bidder

		of complaints and negative findings of the inspection.	negative findings of the inspection			
8.Sanitary water collection	Documentation	Visual observation; use of kit tests; samples when applicable. Verification of waste accompanying documentation for emptying of chemical toilets	Daily, based on which authorized company is called for cleaning		Part of the regular contractor cost	Supervising engineer costs, Inspection
9. Soil and Water contamination	Check for spills. The spills are curbed and contaminated soil/water removed, treated as hazardous waste. In the case of larger spills, test soil/water for contaminants and inform environmental inspectorate. Follow their instructions	Visual. Laboratory tests for larger spills.	Regularly.		Part of the regular contractor cost	Supervising engineer costs, Inspection
Sports hall, kiosks: Supervision phase						
1. Plan for preventive and regular maintenance of the kiosks, sports hall including newly installed equipment for climbing and	Before the start of operation	Review of the Plan	At the beginning of operational phase	To ensure that all maintenance and protection measures and standard requirements are implemented	Included in the project budget	Municipality of Krushevo / urbanism and LED department

bouldering (Risk Management Elaborate and all related requirements as per EN 12572)						
Project stage: Use of climbing wall and bouldering rock						
Safety requirements and test methods as per EN 12572	Yearly inspection by accredited and certified company and/or individual	Proof testing, inspection and maintenance	As required per certificates from producer and certified inspection	To ensure that all maintenance and protection measures and standard requirements are implemented	/	Municipality of Krushevo / urbanism and LED department
Project stage: Delivery and put into operation (running) the new vehicle for transport of pilots (min. 18 – max 24 seeds) and the 4 wheel drive vehicle						
The environmental and safety protection measures applied before put the vehicle into operation, technical compliance	On the municipal parking site	Check the fuel quantity, lubrication oil quantity and breaking and steering system at the spot Test running successfully done Review the technical specifications	Immediately after arriving of the vehicles	To prevent health and safety risks To minimize the adverse environmental and health impacts	Included in the project budget	Municipality of Krushevo / urbanism and LED department Rescue service members
Project stage: Running of the vehicles						

Good maintenance practice and repair performed by professional staff	At the service company	Review of reports from the service company	Periodically (six months min.)	To ensure minimization of the environmental and occupational safety risks through high fuel efficiency and decrease of emissions of GHGs and other pollutants (CO, HC, PM and NOx)	1 000 EУР per year from the municipal budget	Municipality of Krushevo, Rescue service members

Location of the sports hall within the town of Krushevo

The sports hall is marked with red line; it is located next to the Gymnasium in Krushevo, within the zone for sport and recreation according to the General and detailed urban plan of the Municipality, on the periphery of north – west part of the town in Krusevo.

Borders of the town of Krushevo and location of the Sports Hall.

Overview of the location of the sports hall and its surroundings.






Sports Hall, outside and inside.