

ESMP CHECKLIST FOR CONSTRUCTION AND REHABILITATION ACTIVITIES
REHABILITATION ACTIVITIES IN WAREHOUSE LUGBUNAR

Introduction

The Kosovo Agriculture and Rural Development Project (KARDP), credited by the World Bank (Ref Number 60170 XK) and implemented by the Ministry of Agriculture, Forestry and Rural Development (MAFRD) in Kosovo supports implementation of the sub-component “Rehabilitation Works in the Radoniqi-Dukagjini Irrigation Scheme’ to enhance and modernize the irrigation capacities and services provided by the Regional Irrigation Company ‘Radoniqi-Dukagjini’.

The Radoniqi-Dukagjini Irrigation system is a large scale irrigation system buildout on large area, approximately 10000ha. It covers two separate irrigation infrastructures - Radoniqi and Dukagjini, which together represents the Regional Irrigation Scheme “Radoniqi-Dukagjini” as one integral irrigation system. The Radoniqi irrigation scheme is located in the territory of Gjakova and Rahovec municipalities with the intake structure from Dam Radoniqi. The Dukagjini irrigation scheme is located in the municipality of Prizren and the water is captured directly from River Lumbardhi i Prizrenit.

The the RIC ‘Radoniqi-Dukagji’ has two admin offices, in Gjakova and in Prizren. It also has two warehouses for storing spear parts, in Lugbunar/Gjakova, and the warehouse in Xerxe/Rahovec.

This ESMP Checklist has been prepared by the Contactor for rehabilitation activities to be carried out in the RIC ‘Radoniqi-Dukagjini’ Warehouse in Lugbunar village, in municipality of Gjakova.

Environmental Category

World Bank Safeguard Policies/Categorization

ARDP Project 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.

All project activities must be implemented adhering with the ESMF, WB operational policies and procedures and national regulation (the strictest one prevails).

Environmental Screening Categories

Depending on the type, location, sensitivity, and scale of the project and the nature and magnitude of its potential environmental impacts, the sub-project can be classified into one of four categories:

- Category I (Low Risk): subprojects whose environmental impacts are expected to be negligible, for which no environmental evaluation will be required. These projects will only have the environmental screening checklist on file (for which all of the answers will be “no”)
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- Category II (Intermediate Risk): subprojects with impacts that can be readily identified and standard preventative and/or remedial measures can be prescribed without a full EIA. Mitigating measures are standard and are usually just good housekeeping or good engineering practice. These projects will require an ESMP or an ESMP Checklist in cases of simple construction works.

A proposed sub-project for Rehabilitation of the Warehouse Lugbunar is classified as Category II as its environmental impacts are less adverse than those of Category III and IV projects taking into account their nature, size and location, as well as the characteristics of the potential environmental impacts.

- Category III (High Risk - Not Eligible for Financing): subprojects which may have potential and highly significant or irreversible environmental impacts, the magnitude which are difficult to determine at the project identification stage (these will probably be identified in the first step and determined as a full EIA as per Kosovo regulations)
- Category IV (Not eligible for financing): subprojects or enterprises involved in the manufacture or use of dangerous or illegal materials. *(or activities that are on the exclusion list from being financed by the WB).*

Short description of the sub-project

RIC Radoniqi-Dukagjini for the purposes of storage of spare parts, has two warehouses located in the municipality of Gjakova, namely: Lugbunar warehouse and Xerxe warehouse in Rahovec municipality. The warehouses Lugbunar is an existing object, as a ground floor rectangular shaped buildings, sized 37m x 16.5m.

On several occasions a field inspection has been made, which gives a realistic picture of the existing condition of the facilities, i.e. the following deficiencies have been identified:

The warehouses in Lugbunar is in bad condition, especially critical moment is the roof that leaks, weakened in several places, the structure is visibly loosened and could collapse. Some windows are dismantled, and those that are not, are in very bad condition. The inside doors are dismantled also.

From the Feasibility Study, it is recommended to:

- Remove the existing roof and replace it with a new one. The roof structure is made of wooden roof grate and a roof cover made of ribbed metal sheet;
- Replace windows with five-chamber PVC windows and thermopan glass (4 + 16 + 4), as well as internal doors. The outer doors to be metal.

The existing roadway allow a clear and safe approach and maneuvering for all types and size of operational vehicle required for the operation and maintenance of the works.

The warehouse has an existing fence, in order to avoid unauthorized access and to provide safety and control.

Planned works

Taking into account the identified deficiencies on site and in order to provide a quality and efficient warehouse building, the following construction activities need to be undertaken:

- Removing vertical and horizontal gutters and installation of new vertical and horizontal gutters;
- Removing end positions from flat roof to construction and installation of a roof construction made of a triangular metal grate;
- Installation of a roof cover made of ribbed sheet with all the necessary layers and hydro isolation.
- Removing existing metal windows and doors and installation of PVC windows, metal doors, interior windows; interior doors.

Potential Environmental Impacts

The main potential impacts arising from rehabilitation are as follows:

- *Dust and noise*: To avoid this impact it should follow the best building practices and applied locally and should be assigned to the ESMP Checklist.

- *Waste (including hazardous waste) form rehabilitation works*: The old damaged roof will be removed and the rock-wool, which was used as insulation material at the time of the warehouse construction, will be carefully isolated. In this case this material shall be with handled properly as hazardous material, wearing adequate PPE with the specific respiratory mask and gloves to prevent any possible damage or skin irritation. Storage bags should also be considered in order to facilitate handling and transportation.

Rehabilitation activities of the warehouse premises will generate also solid and liquid waste, such as paints, oils, solvents. Small leaks of fuel and other materials may occur during civil works. Inadequate on-site waste treatment and inadequate response to potential leaks result in a negative impact on the local environment, the groundwater surface. The mitigation measures shall be implied to avoid advers impacts.

The PIU will review the Contractors monthly reports, whether addressing all environmental and social issues observed during periodic site visits and providing recommendations and measures to be taken. The PIU will monitor the workplace whether the Contractor is meeting the criteria set out in the mitigation and monitoring plan.

The rehabilitation/reconstruction works will be supervised by a Contractor's engineer for this type of works, project supervisor, RIC Radoniqi-Dukagjini, ARDP/MAFRD, as well as by the municipal inspectorates.

The Contractor and Supervisor should be fully aware of the provisions of the ESMP Checklist and its implementation.

ESMP checklist

The ESMP Checklist is for activities that will be carried by the contractor for project implementation. 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 World Bank (WB) operational policies.

The checklist has three sections:

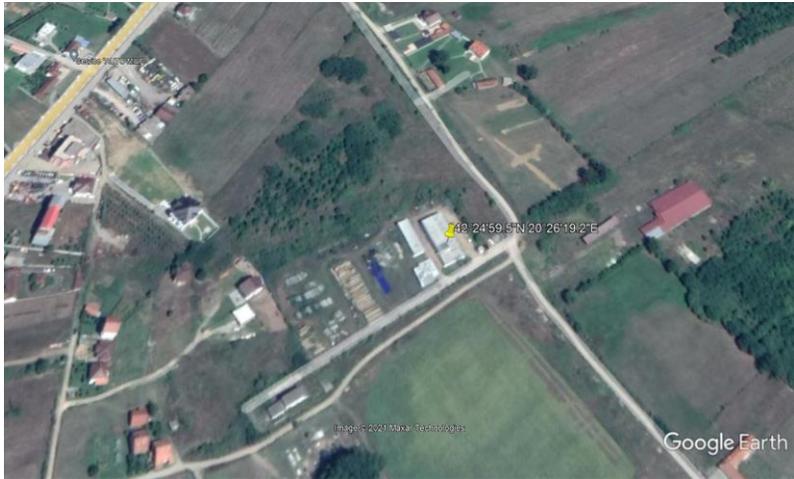
Part 1 - includes a descriptive part that characterizes the project and specifies in terms the institutional and legislative aspects, the technical project content, the potential need for capacity building program and description of the public consultation process.

Part 2 - includes environmental and social consideration in a simple Yes/No format, followed by mitigation measures for each type of activity given.

Part 3 - represents the monitoring plan for activities during project construction and implementation. It retains the same format required for ESMPs proposed under normal Bank requirements for Category B projects. It is the intent of this checklist that Part 2 and Part 3 be included into the bidding documents for contractors, priced during the bidding process and diligent implementation supervised during works execution.

PART 1: GENERAL PROJECT AND SITE INFORMATION

INSTITUTIONAL & ADMINISTRATIVE		
Country	Republic of KOSOVO	
Project title	Agriculture and Rural Development Project (KARDP) – Sub-project for Rehabilitation Works in the Radoniqi-Dukagjini Irrigation Scheme IDA KARP-W-21.1	
Scope of project and activity	The specific Project purpose is a sustainable increase of agricultural production and productivity in the irrigation schemes of Radoniqi and Dukagjini. So, the scope of the project is the rehabilitation works as specified in the BoQ and Project Design – Warehouse Qerim-Lugbunar	
	Project management	
Institutional arrangements (Name and contacts)	Agriculture and Rural Development Project (ARDP) Implementation Unit (PIU) Project Director: Arlinda Arenliu	Local Counterpart and/or Recipient Regional Irrigation Company ‘Radoniqi Dukagjini’, Gjakova

	Supervision		
Implementation arrangements (Name and contacts)	Commission for technical acceptance of the sub-project	Supervisory engineering company Hydro Energo Engineering DOO, Skopje	Contactor: Joint venture 'Xërxa' NPT and 'Gashi ING' Shpk, Therande
SITE DESCRIPTION			
Name of site	Warehouse Lugbunar		
Describe site location	Lugbunar village, Gjakova municipality Coordinates: 42°24'59.5"N 20°26'19.2"E		
Who owns the land?	RIC Radoniqi - Dukagjini		
Description of geographic, physical, biological, geological, hydrographic and socio-economic context	<p>For the purposes of storage of spare parts, RIC Radoniqi-Dukagjini uses a warehouse in Lugbunar, Gjakova, This warehouse is the main storage space for spare parts for the RIC Radoniqi-Dukagjini</p> <p>The warehouse is located in the village of Lugbunar at a distance of 3.7 km from the city of Gjakova. It is situated northeast of the settlement Qerim at air distance of about 1km, and in at air distance of about 1,4km from Airport runway.</p> <p>Lugbunar village is surrounded by agricultural lands known as a locality with green landscape, some of the main places near the Lugbunar are: the Catholic Church, Gjakova Military Airport etc.</p>		
LEGISLATION			
Identify national & local legislation & permits that apply to project activity	<p>Law No.03 / L-025 on Environmental Protection; Law No. 02/L-30 the Waste Law; Law No.03/L-233 on Nature Protection; Law No.02/L-102 on Noise Protection; Law No.04/L-110 on Construction; Law No.03/L –212 on Labor; Law No.04/L-161 on Safety and Health at Work;</p>		
PUBLIC CONSULTATION			

Identify when / where the public consultation process took place

Prior to the start of the works, a public consultation was held with the citizens of this area. The meeting was held in Gjakova on 07.07.2020 and was attended by 25-30 people from the villages of this area and some citizens of the village Lugbunar. During the meeting there were questions and answers about the project. A memorandum of understanding was also reached between the representatives of these villages and RIC 'Radoniqi Dukagjini' and the Contractor. This public consultation was conducted in relation to the Project as a whole and not only to the Renovation of the roof and other rehabilitation of the RIC 'Radoniqi Dukagjini' Warehouse in Lugbunar.



INSTITUTIONAL CAPACITY BUILDING

Will there be any capacity building?

N or Y if Yes

PART 2: SAFEGUARDS INFORMATION

ENVIRONMENTAL /SOCIAL SCREENING			
	Activity	Status	Triggered Actions
Will the site activity include/ involve any of the following?	A. General conditions	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	See Section A below
	B. Warehouse rehabilitation activities	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	See Section B below
	C. Minor new construction	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	See Section C below
	D. Individual wastewater treatment system	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	See Section D below
	E. Historic building(s) and districts	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	See Section E below
	F. Impacts on forests and/or protected areas	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	See Section F below
	G. Waste management	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	See Section G below
	H. Traffic and Safety	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	See Section H below

PART 3: MITIGATION MEASURES

ACTIVITY	PARAMETER	MITIGATION MEASURES CHECKLIST
A. General Conditions	Notification and Worker Safety	<ul style="list-style-type: none"> a) The local construction and environment inspectorates and communities have been notified of upcoming activities. <i>Prior to the start of the project, all responsible institutions, both municipal and central, were implementation Unit, Ministry of Agriculture, Forestry and Rural Development, Municipality Gjakove, RIC Radoniqi-Dukagjini.</i> b) The Contractor and subcontractors have valid operating licenses. c) The public has been notified of the works through appropriate notification in the media and/or at publicly accessible sites (including the site of the work. <i>Before the start of the works, a public discussion was held with the citizens of this area where they were informed in detail about the project and the works that will be done in each section of it.</i> d) All legally required permits have been acquired for construction and/or rehabilitation. <i>All laws will be respected, all building permits have been obtained, before the start of the project with field work. Furthermore, the Contractor had to wait until 6 August 2020 to start the works due to the environmental consent that had to be obtained from the Client even though it was scheduled to start the works on 10 June 2020.</i> e) The Contractor formally agrees that all work will be carried out in a safe and disciplined manner designed to minimize impacts on neighboring residents and environment. f) The Contractor during the implementation of the project in the field will respect all regulations and laws in force so that the impact on the environment is minimal. g) Workers' PPE will comply with international good practice (always hardhats, as needed masks and safety glasses, harnesses and safety boots) .PPE for workers will be fully respected according to the laws and rules and with international good practice.
B. Warehouse rehabilitation activities	Air Quality	<ul style="list-style-type: none"> a) During the removal of the existing roof the waste will be treated according to the law on waste, metal materials will be sent to the Contractors' warehouse and then sent to the landfill in Prizren. b) Demolition debris will be kept in controlled area and sprayed with water to reduce debris dust. c) The surrounding environment (sidewalks, roads) shall be kept free of debris to minimize the negative impact on the surrounding. d) When transporting materials that are prone to emit dust, trucks must be covered and sprayed e) All vehicles are regularly maintained and certified. f) There will be no burning of construction waste material at the site g) There will be no excessive construction vehicles at sites
	Noise	<ul style="list-style-type: none"> a) Construction noise will be limited to restricted working hours b) During operations the engine covers of generators, air compressors and other powered mechanical equipment will be closed, and equipment placed as far away from residential areas as possible c) The Contractor shall use equipment with the lowest noise emission levels
C. Minor new construction		Not relevant to this activity

D. Individual wastewater treatment system		Not relevant to this activity
E. Historic building(s) and districts		Not relevant to this activity
F. Management of waste form rehabilitation works	Construction waste	<p>a) Waste collection and disposal pathways and sites will be identified for all major waste types expected from demolition and construction activities.</p> <p>b) Construction waste will be collected and disposed properly by licensed collectors.</p> <p>c) The records of waste disposal will be maintained as proof for proper management as designed.</p> <p>d) Whenever feasible the contractor will reuse and recycle appropriate and viable materials</p> <p>e) All types of waste generated by field work activities will be treated according to their destination, urban waste generated by staff will be collected and placed in the company container, then treated as municipal waste by the local cleaning company, while waste generated as a result of the rehabilitation project, will be treated separately by the company and sent by truck to the area designated by the local authorities for solid waste disposal; transport will be done by covered truck</p>
	Toxic / hazardous waste	<p>a) Contractor/subcontractors and persons employed during reconstruction are trained in matters related to toxic waste / substances –rock-wool insulation material</p> <p>b) Rock-wool material shall be with handled properly, wearing adequate PPE with the specific respiratory mask and gloves to prevent any possible damage or skin irritation.</p> <p>c) Temporarily storage on site of hazardous/toxic substances - during the removal of the old roof will be in safe bags labeled with details of composition information.</p> <p>d) The waste shall be transported by specially licensed carriers and disposed in a licensed facility.</p> <p>e) Paints with toxic ingredients or solvents or lead-based paints will not be used; Manual application of lead-based paint is prohibited, category M dust abrasive machines should be used instead.</p> <p>f) Food, beverages and smoking are prohibited in the work area.</p>
G. Impacts on forests and/or protected areas		Not relevant to this activity
H. Traffic and Safety	Direct or indirect risks to public traffic and pedestrians	<p>a) The Contractor shall ensure that the construction site is well protected and the traffic associated with the construction is regulated. This includes, but is not limited to:</p> <ul style="list-style-type: none"> – Signs, warning signs, traffic jams and detours: the location will be clearly visible and the public should be warned of all possible dangers – Prepare and install of information boards with the specific dimensions, with content in accordance with the Law on construction works – Comply with national traffic safety regulations. – Only identified and agreed routes can be used. – No material or debris should be stored on the street or sidewalk. – It traffic management system and staff training, especially for site access and heavy traffic near the site. Ensuring safe crossings and pedestrian crossings, where traffic interferes. – Adaptation of working hours according to local traffic patterns, e.g. avoiding large transport activities during peak hours or times of livestock movements

		b) Active traffic management by trained and visible staff on site, if safe and convenient passage for the public is required.
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PART 4: MONITORING PLAN

Phase	What (Is the parameter to be monitored?)	Where (Is the parameter to be monitored?)	How (Is the parameter to be monitored?)	When (Define the frequency /or continuous?)	Why (Is the parameter being monitored?)	Cost (if not included in project budget)	Who (Is responsible for monitoring?)
During activity preparation	Location organization	On-site Lugbunarë – Gjakovë	Marking the boundaries of the construction site and preparation –installation of the fence Install information boards in accordance to the law, with specific information (durable materials metal frame and galvanized metal sheet) Provide and authorized laboratory for testing the quality of materials	Before works starts	To guarantee security	Project costs	HEI – Skopje Supervising engineering on site XERXA ntp
	Safety measures for workers, employees and visitors	On-site	Visual checks and reporting	Before works starts	To prevent health and safety risks – mechanical injures and to provide safe access and mobility	Project costs	HEI – Skopje Supervising engineering on site XERXA ntp
During activity implementation	Workers safety	On-site	Random security inspection	Continuous check that if PPE is available to employees, in sufficient quantities and used / worn	To prevent accidents and health risks especially when applying materials such as rock-wool, gypsum paintings, glue, solvents, etc.	Part of the contractor's regular cost	HEI – Skopje Supervising engineering on site XERXA ntp

	Creating space for works	On-site	The existing roof must be removed to begin construction of the new roof	Period October 2021	New roof construction in the warehouse building	Project costs	HEI – Skopje Supervising engineering on site XERXA ntp
	Construction of the roof structure	On-site	Construction of the roof structure, insulation and covering with sheet metal structure	Period October 2021	Insulating the warehouse with efficient materials	Project costs	HEI – Skopje Supervising engineering on site XERXA ntp
	Supervision of field works	On-site	Inspection and testing during field work	Period October 2021	Supervision and testing of materials to ensure that the works will be carried out according to the project	Project costs	HEI – Skopje Supervising engineering on site XERXA ntp
	Air quality (dust)	On-site	Visual observation - check if spraying has been applied, visibility, presence of dust on site, covered load or sprayed	Continuous on a daily basis, although special attention should be paid to the transportation of materials and waste	To keep dust levels to a minimum to protect health and prevent irritation, as well as to maintain visibility for safety purposes	Contractor bears the cost	HEI – Skopje Supervising engineering on site XERXA ntp
	Noise	On-site	Checking if there is unauthorized night work, if there have been complaints or negative inspection findings	Constantly	Health risk management and prevention of barriers to the local population and space users	Project costs	HEI – Skopje Supervising engineering on site XERXA ntp
During activity supervision	Waste management (municipal waste, toxic / hazardous materials from paintings, glue, waste from packaging, gypsum, remains form rock-wool, etc.)	On-site	Visual report from supervision to make sure the wasted material is handled properly based on the respective law. Type and quantities of waste	Continuous on a daily basis and Final control after completion of the activity.	Pollution prevention (paints, oils, solvents, etj)	Part of regular operating costs	HEI – Skopje Supervising engineering on site XERXA ntp and Commission for Technical Acceptance

ANNEX 1

The situation in the Warehouse Lugbunar



