



Rehabilitation of Kindergarten N7 in the City of Khashuri

(Khashuri Municipality)

Environmental and Social Screening and Environmental Management Plan

WORLD BANK FINANCED

SECOND REGIONAL AND MUNICIPAL INFRASTRUCTURE DEVELOPMENT PROJECT

Tbilisi, Georgia

November 2016

Environmental Screening

The sub-project (SP) envisages rehabilitation of the building of N7 Kindergarten located at 14 Tamar Mepe Street in the city of Khashuri. Access to the SP site is possible through Tbilisi-Senaki-Leselidze Highway and distance from Tbilisi is 131 km.

The existing old premise of the kindergarten is a two-story building that has been built in 80-ies of the last century and occupies 3,979 m² (area of the building on ground - 1415 m²). The tin roof of the building, wooden doors and windows, as well as the boiler are partially damaged and require destruction. The roof of the boiler construction is asbestos containing. Existing sewage system of the Kindergarten is connected to the municipal network. Although pipes and the manholes are in poor condition. SP includes replacement of Kindergartens outer sewerage pipes and manholes from the kindergarten to the town's wastewater networks connection manhole. SP does not includes replacement of town's sewerage system or a part of them. Only the old pipes and manholes will replaced connecting a Kindergartens sewage system to the town's sewage system. Moreover, the buildings internal pipes are PP (Polypropylene for Cold-water) PPR (reinforced Polypropylene for hot water). Outer water supply pipes are from PE (Polyethylene) material. Internal Sewerage pipes - PVC (Polyvinylchloride); outer sewer pipes – PE-HD (Corrugated Polyethylene).

The SP envisages:

- replacing of the roof and partitions;
- replacing wooden doors and windows with the new ones;
- removing damaged old plaster from ceilings and walls, damaged sand-cement compression from floor;
- repairing of stair hall, kitchen and toilets;
- landscaping of the kindergarten territory;
- arranging of new galvanized tin roof;
- fencing the whole area of the kindergarten; replacing of Kindergartens outer sewerage pipes and manholes from the kindergarten to the town's wastewater networks connection manhole.
- rehabilitating the boiler;
- arranging solar collector.

On the first floor, the following facilities will be arranged: music classroom, concert hall, main kitchen, kitchen storage room, entertaining rooms, bedrooms, dressing rooms, lavatories adapted for persons with disabilities, corridors, technical rooms, director's office, teachers' room, medical cabinet, isolator.

On the second floor, the SP envisages arrangement of WCs, corridors, entertaining rooms, bedrooms, kitchen storage rooms, fitting rooms, also insulation windows. Facade of the building will be painted with five different paints.

The SP envisages not only entire rehabilitation of the building but also arrangement of all required components for its adequate functioning: power supply, heating and ventilation system, rehabilitation of water supply and sewerage system, installing boiler equipment and solar thermal collectors, outdoor lighting, and fire alarm systems.

Electricity and water supply as well as sewage systems will be renewed entirely. The building is connected to the municipal water supply and sewerage systems. Besides, central heating system will be installed that will operate on gas. Additionally solar panel will be installed to support boiler operation.

In the kindergarten yard, existing asphalt cover and borders will be removed and concrete block pavement installed instead. The kindergarten territory will be fenced with wire net (height- 1.8 m x L 2.5) and painted.

(A) IMPACT IDENTIFICATION

<p>Has SP a tangible impact on the environment?</p>	<p>The SP will have a modest negative environmental impact.</p> <p>The main impact will be related to the construction phase, which includes works for rehabilitation and reconstruction of the existing old building, installation of the internal water supply, sewage, electricity, ventilation and heating systems, landscaping of the kindergarten territory, rehabilitation of the existing access road.</p>
<p>What are the significant beneficial and adverse environmental effects of SP?</p>	<p>The expected negative environmental impact will have short-term character and will be typical for small-scale construction works in modified landscape: noise, dust, vibration, and emissions from the operation of construction machinery; generation of construction waste. The later impacts are related to the generation of waste and wastewater from maintenance of the kindergarten.</p>

	<p>The SP is located in the area with modified environment. Therefore the impact is transitory and insignificant (noise, emissions, construction waste, temporary disturbance of traffic and access, etc.).</p> <p>In operation phase proper management of generated solid waste should be ensured to reduce impact on the environment.</p>
<p>May the SP have any significant impact on the local communities and other affected people?</p>	<p>The SP is expected to have a long-term positive social impacts, as the local residents will be able to have access to the modern kindergarten, which will be also adapted to the people with disabilities. The renovated kindergarten will also provide more local employment opportunities and contribute to economic recovery by improving the infrastructure.</p> <p>Ultimate goal of the SP is to improve the quality and conditions of education for children in Khashuri town. Construction of kindergarten will bring immediate benefits to its users through improved learning spaces, playgrounds, everyday learning activities and in general infrastructure and living conditions. The long-term social impact will be beneficial, as local children and teachers in kindergarten will be provided with improved educational and working conditions, increased income of population during the implementation (employment of workers), and after the construction.</p> <p>During construction works and in the process of kindergarten operation, limited and temporary positive impacts are expected related to job opportunities for construction workers.</p> <p>Negative impact is short term and limited to the construction site. They are related to the possible disturbance described above.</p> <p>The kindergarten is the asset of the Khashuri Municipality. The land plot is registered as municipal property (See Ap. 1).</p>

	<p>According to the letter N07/4633 18.07.2016 of Khashuri Municipality Governor, during the SP implementation, the staff of the kindergarten and the children will be temporarily moved to the nearest preschool facilities. Parents of the children are fully aware of the circumstances and express consent. There are totally 220 children and 26 staff in the Kindergarten. The staff members are paid from the budget of the Khashuri Municipality Governance.</p> <p>Accordingly, the SP does not have any negative social impact, as the learning process will not be interrupted by the construction works and personnel will receive their monthly salary permanently (please refer to the attached letter from Khashuri Municipality Government).</p> <p>The SP envisages adaption of the kindergarten building to make available servicing of people with disabilities.</p>
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(B) MITIGATION MEASURES

<p>Were there any alternatives to the SP design considered?</p>	<p>Due to the fact that the SP envisages rehabilitation and reconstruction of the existing old building of the kindergarten, no alternatives have been considered.</p> <p>Alternatives for the operation of the heating system have been considered and solar collectors have been included in the SP design.</p>
<p>What types of mitigation measures are proposed?</p>	<p>The expected negative impacts of the construction phase can be easily mitigated through proper management of construction activities. The contractor will be responsible for the waste disposal at the permitted location, use the quarry materials from the licensed quarries only or obtain materials only from licensed providers, prevent water and soil from pollution (fuel spills due to equipment failure, concrete spills etc.), avoid disturbance of population (noise, dust, emissions) through proper work/supplies</p>

	<p>scheduling, good maintenance of the construction machinery.</p> <p>Asbestos-containing cover of the boiler building will be removed and disposed in accordance with the Ordinance N145 of the Government of Georgia of 29/03/2016 on “Special Requirements for Hazardous waste collection and processing”.</p>
<p>What lessons from the previous similar projects have been incorporated into the SP design?</p>	<p>MDF has wide experience of implementation of medium and large-scale buildings, roads and streets rehabilitation financed by various donor organizations. Based on lessons, learned from previous similar projects, design envisages not only rehabilitation and reconstruction of the building but also arrangement of the playground, WC-s, shower rooms, wardrobes, living accommodation, kitchen, rooms for administration, heating, cooling, ventilation and fire control system etc. The infrastructure of the kindergarten will be adapted for receiving and servicing of people with disabilities.</p>
<p>Have concerned communities been involved and have their interests and knowledge been adequately taken into consideration in SP preparation?</p>	<p>The SP has been developed by the Khashuri Municipality in consultation with the City Council and as a response to the current situation.</p> <p>Population of the town was consulted by Khashuri municipality administration and their interest has been taken into consideration in preparation process of the SP.</p> <p>EMP prepared for the SP will be made available for the local community and will be discussed in a consultation meeting prior to the commencement of works.</p>

(C) RANKING

The SP has been classified as environmental Category B according to the World Bank safeguards (OP 4.01) and requires completion of the Environmental Management Checklist for Small Construction and Rehabilitation Activities.

Social Screening

Social safeguards screening information		Yes	No
1	Is the information related to the affiliation, ownership and land use status of the SP site available and verifiable? (The screening cannot be completed until this is available)	✓	
2	Will the SP reduce people's access to their economic resources, such as land, pasture, water, public services, sites of common public use or other resources that they depend on?		✓
3	Will the SP result in resettlement of individuals or families or require the acquisition of land (public or private, temporarily or permanently) for its development?		✓
4	Will the SP result in the temporary or permanent loss of crops, fruit trees and Household infrastructure (such as ancillary facilities, fence, canal, granaries, outside toilets and kitchens, etc.)?		✓
If answer to any above question (except question 1) is "Yes", then OP/BP 4.12 Involuntary Resettlement is applicable and mitigation measures should follow this OP/BP 4.12 and the Resettlement Policy Framework			

Site of the kindergarten is registered as owned by Khashuri Municipality. Cadastral information is attached.

Environmental Management Plan

PART A: GENERAL PROJECT AND SITE INFORMATION

INSTITUTIONAL & ADMINISTRATIVE	
Country	Georgia
Project title	SECOND REGIONAL AND MUNICIPAL INFRASTRUCTURE DEVELOPMENT PROJECT
SP title	Rehabilitation of Kindergarten N7 in the City of Khashuri
Scope of site-specific activity	<p>The sub-project (SP) envisages rehabilitation of the building of N7 Kindergarten located at 14 Tamar Mepe Street in the city of Khashuri. Access to the SP site is possible through Tbilisi-Senaki-Leselidze Highway and distance from Tbilisi is 131 km.</p> <p>The existing old premise of the kindergarten is a two-story building that has been built in 80-ies of the last century and occupies 3,979 m² (area of the building on ground - 1415 m²). The tin roof of the building, wooden doors and windows, as well as the boiler are partially damaged and require destruction. The roof of the boiler construction is asbestos containing. Existing sewage system of the Kindergarten is connected to the municipal network. Although pipes and the manholes are in poor condition. SP includes replacement of Kindergartens outer sewerage pipes and manholes from the kindergarten to the town's wastewater networks connection manhole. SP does not includes replacement of town's sewerage system or a part of them. Only the old pipes and manholes will replaced connecting a Kindergartens sewage system to the town's sewage system. Moreover, the buildings internal pipes are PP (Polypropylene for Cold-water) PPR (reinforced Polypropylene for hot water). Outer water supply pipes are from PE (Polyethylene) material. Internal Sewerage pipes - PVC (Polyvinylchloride); outer sewer pipes – PE-HD (Corrugated Polyethylene).</p> <p>The SP envisages:</p> <ul style="list-style-type: none"> - replacing of the roof and partitions; - replacing wooden doors and windows with the new ones; - removing damaged old plaster from ceilings and walls, damaged sand-cement compression from floor; - repairing of stair hall, kitchen and toilets; - landscaping of the kindergarten territory;

	<ul style="list-style-type: none"> - arranging of new galvanized tin roof; - fencing the whole area of the kindergarten; replacing of Kindergartens outer sewerage pipes and manholes from the kindergarten to the town’s wastewater networks connection manhole. - rehabilitating the boiler; - arranging solar collector. <p>On the first floor, the following facilities will be arranged: music classroom, concert hall, main kitchen, kitchen storage room, entertaining rooms, bedrooms, dressing rooms, lavatories adapted for persons with disabilities, corridors, technical rooms, director’s office, teachers’ room, medical cabinet, isolator.</p> <p>On the second floor, the SP envisages arrangement of WCs, corridors, entertaining rooms, bedrooms, kitchen storage rooms, fitting rooms, also insulation windows. Facade of the building will be painted with five different paints.</p> <p>The SP envisages not only entire rehabilitation of the building but also arrangement of all required components for its adequate functioning: power supply, heating and ventilation system, rehabilitation of water supply and sewerage system, installing boiler equipment and solar thermal collectors, outdoor lighting, and fire alarm systems.</p> <p>Electricity and water supply as well as sewage systems will be renewed entirely. The building is connected to the municipal water supply and sewage systems. Besides, central heating system will be installed that will operate on gas. Additionally solar panel will be installed to support boiler operation.</p> <p>In the kindergarten yard, existing asphalt cover and borders will be removed and concrete block pavement installed instead. The kindergarten territory will be fenced with wire net (height- 1.8 m x L 2.5) and painted.</p>	
Institutional arrangements (WB)	Task Team Leader:	Safeguards Specialists: Darejan Kapanadze, Environment

	Xiaolan Wang		David Jijelava, Social
Implementation arrangements (Borrower)	Implementing entity: Municipal Development Fund of Georgia	Works supervisor: Construction supervision consultancy company "EPTISA"	Works contractor: (tbd)
SITE DESCRIPTION			
Name of institution whose premises are to be rehabilitated	Khashuri Municipality		
Address and site location of institution whose premises are to be rehabilitated	5700 № 2 Tabidze street, City of Khashuri, Georgia Tel: (+995 368)24 13 43 E-mail: khashurimunicipality@gmail.com Web-site: http://www.khashuri.org.ge/ge/		
Who owns the land? Who uses the land (formal/informal)?	The kindergarten N7 is the asset of the Khashuri Municipality. The land plot is registered as municipal property.		
Description of physical and natural environment around the site	<p>Khashuri is a small town in the Shida Kartli region of Eastern Georgia, located on Shida Kartli plain, on the Suramula riverside, 700 meters (2,300 feet) above sea level and borders Kareli Municipality from the east and the north, Borjomi municipality from the south and the west, Sachkhere municipality from the north and Kharagauli municipality from the west. According to the data of 2014 census, the population of the town was 26,135. The city is predominantly populated by Georgians. Access to the SP site is possible through Tbilisi-Senaki-Leselidze Highway and distance from Tbilisi is 131 km.</p> <p>Khashuri's climate is classified as warm and temperate. Precipitation is high in Khashuri, even in the driest month. The temperature here averages 9.3 °C. The average annual rainfall is 737 mm.</p> <p>Hydrogeological network of the municipality is represented with the rivers as follows: Suramula, Satibe, Cheratkhevi, Tiliانا.</p> <p>Number of the town residents makes up 26 135 people (male -12 492, female – 13 643; 0-4 years old – 3442, 5-9 years old 3299). 59% of the town's population are employed either in the private or in the public sector. There are 32 public schools and 13 preschools.</p> <p>N7 Kindergarten to be rehabilitated within the SP serves 220 pupils that is 0.41% of the total population of the town. The Kindergarten is surrounded by private houses and multistory houses.</p>		
Locations and distance for material sourcing, especially aggregates, water, stones?	Water will be available at the construction site from the municipal water supply system.		

	<p>Distance to the nearest licensed borrow pit is approximately in 5-7 km radius.</p> <p>Distance to the nearest official landfill is 3.5 km. The landfill is located at Gorgasali street. Municipal waste in the city is managed by “Khashurservice” which is a licensed landfill of the LLC “Solid Waste Company of Georgia”. The landfill also receives construction waste.</p>
LEGISLATION	
<p>National & local legislation & permits that apply to project activity</p>	<p>The SP has been classified as low risk Category B according to the WB policies and the ESMF.</p> <p>The SP proposal has been officially presented to the MDF by local municipality for financing and represents the need and priority of the Municipal Government according to common demands.</p> <p>Georgian legislation does not require any type of environmental review, approval, or permitting for the SP. Though according to the national regulatory system:</p> <ul style="list-style-type: none"> (i) construction materials must be obtained from licensed providers, (ii) if contractor wishes to open quarries or extract material (rather than purchasing these materials from other providers), then the contractor must obtain licenses for extraction, (iii) if contractor wishes to operate own concrete plant (rather than purchasing these materials from other providers), then the contractor must prepare technical report on inventory of atmospheric air pollution stationary sources and agree with the Ministry of Environment and Natural Resources Protection (MoENRP); (iv) Permanent placement of the inert material (cut ground and sedimentary soil) generated in the course of earth works in a selected location must be approved by local (municipal) governing bodies in written (v) Construction waste must be disposed on the official local landfills with written agreement with the relevant responsible bodies (local (municipal) governing bodies and Solid Waste Management Company of Georgia). (vi) If over 200 tons of non-hazardous waste or over 1000 tons of inert materials or any volume of hazardous waste is generated annually (calculation apply to a calendar year) as a result of contractor’s general activities, they shall prepare and cause the Ministry of Environment and Natural Resources of Georgia to approve the inventarization of Waste and Waste Management Plan for the Company, appoint an environmental manager, and submit an information on his/her identity to the Ministry of Environment and Natural Resources Protection of

	<p>Georgia in accordance with requirements of the Waste Code of Georgia.</p> <p>(vii) Asbestos-containing cover of the boiler will be removed and disposed in accordance with the Ordinance N145 of the Government of Georgia of 29/03/2016 on “Special Requirements for Hazardous waste collection and processing”.</p> <p>Copies of extraction licenses (if applicable), permits for operating concrete plant (if applicable) and waste disposal permits will be attached to this EMP once the contractor is selected and mobilized to the works site.</p> <p>GOST and SNIP norms must be adhered.</p>
PUBLIC CONSULTATION	
<p>When / where the public consultation process will take /took place</p>	<p>EMP will be discussed with beneficiary community prior to the commencement of works.</p>
ATTACHMENTS	
<p>Attachment 1: Site location, cadastral information, photos and a sketch of the new building. Attachment 2: Documents on the public consultation (to be provided) Attachment 3: Agreement on waste disposal (to be provided) Others as required.</p>	

PART B: SAFEGUARDS INFORMATION

ENVIRONMENTAL /SOCIAL SCREENING			
	Activity/Issue	Status	Triggered Actions
Will the site activity include/involve any of the following?	A. Rehabilitation	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	See Section A below
	B. New construction	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	See Section A below
	C. Individual wastewater treatment system	<input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No	See Section B below
	D. Historic building(s) and districts	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	See Section C below
	E. Acquisition of land ¹	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	See Section D below
	F. Hazardous or toxic materials ²	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	See Section E below
	G. Impacts on forests and/or protected areas	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	See Section F below
	H. Handling / management of medical waste	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	See Section G below
	I. Traffic and Pedestrian Safety	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	See Section H below

¹ Land acquisitions includes displacement of people, change of livelihood encroachment on private property this is to land that is purchased/transferred and affects people who are living and/or squatters and/or operate a business (kiosks) on land that is being acquired.

² Toxic / hazardous material includes but is not limited to asbestos, toxic paints, noxious solvents, removal of lead paint, etc.

PART C: MITIGATION MEASURES

ACTIVITY	PARAMETER	MITIGATION MEASURES CHECKLIST
0. 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 (b) 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 works) (c) All legally required permits have been acquired for construction and/or rehabilitation (d) 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. (e) Workers' PPE will comply with international good practice (always hardhats, as needed masks and safety glasses, harnesses and safety boots) (f) Appropriate signposting of the sites will inform workers of key rules and regulations to follow.
A. General Rehabilitation and /or Construction Activities	Air Quality	<ul style="list-style-type: none"> (a) Demolition debris shall be kept in controlled area and sprayed with water mist to reduce debris dust; (b) During pneumatic drilling/wall destruction dust shall be suppressed by ongoing water spraying and/or installing dust screen enclosures at site (c) The surrounding environment (sidewalks, roads) shall be kept free of debris to minimize dust (d) There will be no open burning of construction / waste material at the site (e) There will be no excessive idling of construction vehicles at sites (f) Truck loads should be confinement and protected with lining.
	Noise	<ul style="list-style-type: none"> (a) Limit activities to daylight working hours; (b) During operations the engine covers of generators, air compressors and other powered mechanical equipment shall be closed, and equipment placed as far away from residential areas as possible (c) The machinery should move only along the preliminarily agreed route; (d) The maximum allowed speed should be restricted; (e) Proper technical control and maintenance practices of the machinery should be applied; (f) No-load operations of the vehicles and heavy machinery is not allowed. Proper mufflers will be used on machinery.
	Water Quality	<ul style="list-style-type: none"> (a) Contractor will be required to organize and cover material storage areas and to isolate wash down areas from watercourses by selecting areas that are not free draining into any watercourse. The material storage sites should be protected from washing out during heavy rain falls and flooding through covering by impermeable materials. (b) Contractor will plan all excavations, topsoil and subsoil storage so as to reduce to a minimum any runoff. (c) The site will establish appropriate erosion and sediment control measures such as e.g. hay bales and / or silt fences to prevent sediment from moving off site and causing excessive turbidity in nearby streams and rivers. (d) Revision of vehicles will be required to ensure that there is no leakage of fuel and lubricating materials. All machinery will be maintained and operated such that all leaks and spills of materials will be minimized. Daily plant checks (Vehicle Maintenance Procedure) will be undertaken to ensure no leaks or other problems are apparent. Vehicle maintenance, cleaning, degreasing etc. will be undertaken in designated areas, of hard-standing, not over made ground. Maintenance points will not be located within 50m of any watercourse.

		<p>(e) Lubricants, fuel and solvents should be stored and used for servicing machinery exclusively in the designated sites, with adequate lining of the ground and confinement of possible operation and emergency spills. Spill containment materials (sorbents, sand, sawing, chips etc.) should be available on construction site.</p> <p>(f) Wet cement and/or concrete will not be allowed to enter any watercourse, pond or ditch.</p> <p>(g) Upon completion of washing and disinfection of water reservoir and water pipe the disinfection solution will be neutralized by the contractor prior to release to the environment – to avoid damage to terrestrial or aquatic organisms. In the case of disinfection via chlorination this is achieved by application of a reducing agent, such as sodium bisulfate to achieve de-chlorination. The reducing agent, in turn, must be applied by the contractor at the precise dosage to neutralize the disinfectant – but no more, since reducing agent residuals are also detrimental to aquatic ecosystems. Releasing of neutralized water to the environment by the contractor will be agreed with the local municipality.</p>
	Waste management	<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) Mineral construction and demolition wastes will be separated from general refuse, organic, liquid and chemical wastes by on-site sorting and stored in appropriate containers.</p> <p>(c) Construction waste will be collected and disposed properly on the agreed location.</p> <p>(d) The records of waste disposal will be maintained as proof for proper management as designed.</p> <p>(e) Burning of waste on the SP site is forbidden.</p> <p>(f) Whenever feasible the contractor will reuse and recycle appropriate and viable materials (except asbestos)</p>
	Material supply	<p>a) Use existing plants, quarries or borrow pits that have appropriate official approval or valid operating license.</p> <p>b) Obtain licenses for any new quarries and/or borrowing areas if their operation is required;</p> <p>c) Reinstate used sections of quarries and/or borrowing areas as extraction proceeds on or properly close quarries if extraction completed and license expired;</p> <p>d) Obtain wood materials only from licensed suppliers.</p> <p>e) Contractor will be required to submit to the MDF copies of the licenses, permits, written agreements, certificates, etc. to prove that all materials are obtained from licensed providers.</p> <p>f) Haul materials in of peak traffic hours;</p> <p>g) Place speed regulating, diverting, and warning signs for traffic as appropriate.</p>
	Earthworks	<p>a) Topsoil should be stripped before starting of earthworks;</p> <p>b) Proper topsoil storage practice should be applied to ensure to maintain physical-chemical and biological activity of the soil; Temporary protective silt fencing should be erected to avoid erosion (wash down);</p> <p>c) Stored topsoil should be used for reinstatement and landscaping.</p> <p>d) Topsoil from the sites, which will not be reinstated to the initial conditions will be distributed carefully on the surrounding area.</p> <p>e) Topsoil will be reinstated separately from subsoil, with care taken to avoid mixing of the materials. The topsoil reinstatement will be sufficient to restore the fertile depth to the initial conditions as judged by the topsoil strip during visual observation and comparison of the reinstated site and adjacent land. When replacing the topsoil Contractor will program the works such that the areas furthest away from the stockpiles are reinstated first with reinstatement getting progressively closer to the stockpiles, thus reducing the number of vehicle movements over the reinstated topsoil. The reinstated topsoil will then be harrowed, where practical, to protect the stability and promote vegetative growth.</p> <p>f) In case chance find is encountered in the course of earth works, the contractor must immediately stop any physical activity on site and informs the MDF. The MDF promptly notifies the Ministry of Culture and Monument Protection,</p>

		which takes over responsibility for the following course of action. Works may resume only upon receipt of written permission from the Ministry of Culture and Monument Protection.
B. Individual wastewater treatment system	Water Quality	<p>(a) The approach to handling sanitary wastes and wastewater from building sites (installation or reconstruction) must be approved by the local authorities</p> <p>(b) Before being discharged into receiving waters, effluents from individual wastewater systems must be treated in order to meet the minimal quality criteria set out by national guidelines on effluent quality and wastewater treatment</p> <p>(c) Monitoring of new wastewater systems (before/after) will be carried out</p> <p>(d) Construction vehicles and machinery will be washed only in designated areas where runoff will not pollute natural surface water bodies.</p>
E. Toxic Materials	Asbestos management	<p>(a) If asbestos is located on the project site, it shall be marked clearly as hazardous material</p> <p>(b) When possible the asbestos will be appropriately contained and sealed to minimize exposure</p> <p>(c) The asbestos prior to removal (if removal is necessary) will be treated with a wetting agent to minimize asbestos dust</p> <p>(d) Asbestos will be handled and disposed by skilled & experienced professionals</p> <p>(e) If asbestos material is stored temporarily, the wastes should be securely enclosed inside closed containments and marked appropriately. Security measures will be taken against unauthorized removal from the site.</p> <p>(f) The removed asbestos will not be reused</p>
	Toxic / hazardous waste management	<p>(a) Temporarily storage on site of all hazardous or toxic substances will be in safe containers labeled with details of composition, properties and handling information</p> <p>(b) The containers of hazardous substances shall be placed in an leak-proof container to prevent spillage and leaching</p> <p>(c) The wastes shall be transported by specially licensed carriers and disposed in a licensed facility.</p> <p>(d) Paints with toxic ingredients or solvents or lead-based paints will not be used</p>
H Traffic and Pedestrian Safety	Direct or indirect hazards to public traffic and pedestrians by construction activities	<p>(a) In compliance with national regulations the contractor will insure that the construction site is properly secured and construction related traffic regulated. This includes but is not limited to</p> <ul style="list-style-type: none"> ▪ Signposting, warning signs, barriers and traffic diversions: site will be clearly visible and the public warned of all potential hazards ▪ Traffic management system and staff training, especially for site access and near-site heavy traffic. Provision of safe passages and crossings for pedestrians where construction traffic interferes. ▪ Adjustment of working hours to local traffic patterns, e.g. avoiding major transport activities during rush hours or times of livestock movement ▪ Active traffic management by trained and visible staff at the site, if required for safe and convenient passage for the public. ▪ Ensuring safe and continuous access to office facilities, shops and residences during renovation activities, if the buildings stay open for the public.

PART D: MONITORING PLAN

Activity	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?)	Who (Is responsible for monitoring?)
CONSTRUCTION PHASE						
Supply with construction materials	Purchase of construction materials from the officially registered suppliers	In the supplier's office or warehouse	Verification of documents	During conclusion of the supply contracts	To ensure technical reliability and safety of infrastructure	MDF, Construction supervisor
Transportation of construction materials and waste; Movement of construction machinery	Technical condition of vehicles and machinery; Confinement and protection of truck loads with lining; Respect of the established hours and routes of transportation	Construction site	Inspection	Unannounced inspections during work hours and beyond	Limit pollution of soil and air from emissions; Limit nuisance to local communities from noise and vibration; Minimize traffic disruption.	MDF, Construction supervisor, Traffic Police
Earthworks	Temporary storage of excavated material in the pre-defined and agreed upon locations; Backfilling of the excavated material and/or its disposal to the formally designated locations; In case of chance finds immediate suspension of works, notification of the	Construction site	Inspection	In the course of earth works	Prevent pollution of the construction site and its surroundings with construction waste; Prevent damage and loss of physical cultural resources; Prevent topsoil losses.	MDF, Construction supervisor

Activity	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?)	Who (Is responsible for monitoring?)
	<p>Ministry of Culture and Monument Protection, and resumption of works exclusively upon formal consent of the Ministry.</p> <p>Topsoil is striped before starting of the earthworks;</p> <p>Proper topsoil storage practice is applied; Temporary protective silt fencing is erected;</p> <p>Striped topsoil is used for reinstatement and landscaping.</p>			<p>Construction period: starting from topsoil stripping and ending with reinstatement</p>		<p>MDF, Construction supervisor</p>
Sourcing of inert material	<p>Purchase of material from the existing suppliers if feasible;</p> <p>Obtaining of extraction license by the works contract and strict compliance with the license conditions;</p> <p>Terracing of the borrow area, backfilling to the exploited areas of the borrow site, and landscape harmonization;</p>	Borrowing areas	<p>Inspection of documents Inspection of works</p>	In the course of material extraction	<p>Limiting erosion of slopes and degradation of ecosystems and landscapes;</p> <p>Limiting erosion of riverbanks, water pollution with suspended particles and disruption of aquatic life.</p>	MDF, Construction supervisor

Activity	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?)	Who (Is responsible for monitoring?)
	Excavation of river gravel and sand from outside of the water stream, arrangement of protective barriers of gravel between excavation area and the water stream, and no entry of machinery into the water stream.					
Generation of construction waste	Temporary storage of construction waste in especially allocated areas; Timely disposal of waste to the formally designated locations	Construction site; Waste disposal site	Inspection	Periodically during construction and upon complaints	Prevent pollution of the construction site and nearby area with solid waste	MDF, Construction supervisor
Generation of hazardous waste	asbestos containing roofing sheets are properly dismantled, packed, marked clearly as hazardous material and safely placed on temporary location; prior to removal asbestos containing materials are treated with a wetting agent to minimize asbestos dust; Asbestos containing materials are handled and disposed by	Construction site	Inspection	During dismantling of the sport complex roofing, before final disposal of the waste	To avoid pollution of the construction site and nearby area with hazardous materials	MDF, Construction supervisor

Activity	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?)	Who (Is responsible for monitoring?)
	<p>skilled & experienced professional</p> <p>Hazardous waste is secured to avoid its unauthorized removal from the site.</p> <p>The removed asbestos is not reused for other purposes</p> <p>Asbestos containing materials are disposed on the permitted location</p>					
Traffic disruption and limitation of pedestrian access	Installation of traffic limitation/diversion signage; Storage of construction materials and temporary placement of construction waste in a way preventing congestion of access roads	At and around the construction site	Inspection	In the course of construction works	Prevent traffic accidents; Limit nuisance to local residents	MDF, Construction supervisor
Workers' health and safety	<p>Provision of uniforms and safety gear to workers;</p> <p>Informing of workers and personnel on the personal safety rules and instructions for operating machinery/equipment, and strict compliance with these rules/instructions</p>	Construction site	Inspection	Unannounced inspections in the course of work	Limit occurrence of on-the-job accidents and emergencies	MDF, Construction supervisor

Activity	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?)	Who (Is responsible for monitoring?)
OPERATION PHASE						
Generation of waste from maintenance of rehabilitated sport complex	Proper management of solid waste	Municipal area	Inspection	Throughout operation of the sport complex	Prevent pollution with solid waste	Khashuri Municipality
Disruption of traffic and pedestrian access during maintenance works	Scheduling of maintenance works in at less busy hours and proper signage of maintenance area	Sites of the restored buildings and bridges	Inspection	Throughout operation of the sites	Minimize nuisance to local residents	Khashuri Municipality
Servicing of water supply and sewage schemes	Water supply scheme does not leak and water supply uninterrupted Sewage system operate smoothly	Rehabilitated facilities	Inspection	During operation of facilities	Prevent water loss and water logging of the site Prevent pollution of surface and ground water with untreated sewage	Khashuri Municipality
Maintenance of the rehabilitated trail	Maintenance of relevant road signage for traffic safety; Demarcation of the sections of streets under repair; Disposal of asphalt and or other waste from the repair works to the designated landfill.	Rehabilitated sections of road	Inspection	During maintenance works	Prevent road accidents and	Khashuri Municipality

Attachment 1: Site location, cadastral information and pictures

Orthophoto of the SP sites



Cadastral information



მ.ჩ.4 (უბრალო ქონება) საკადასტრო კოდი: **N 69.08.57.287**

ამონაწერი საჯარო რეგისტრიდან

განცხადების რეგისტრაცია: **N 882016005746 - 06/01/2016 17:21:04** მომზადების თარიღი: **12/01/2016 13:21:30**

საკუთრების განყოფილება

ზონა საშური	სექტორი საშური	კვარტალი	ნაკვეთი	ნაკვეთის საკუთრების ტიპი: საკუთრება
69	08	57	287	ნაკვეთის დანიშნულება: არასასოფლო საშენობო

დამატებული ფართობი: 3979.00 კვ.მ.
 ნაკვეთის წინა ნომერი: 69.08.01.030;
 შენობა-ნაგებობის ჩამონათვალი: N1 საერთო ფართობი 1152.7 კვ.მ.

მესაკუთრის განყოფილება

განცხადების რეგისტრაცია: ნომერი 882010492654, თარიღი 23/02/2010 15:34:31
 უფლების რეგისტრაცია: თარიღი 01/03/2010

- უფლების დამატებითი აღწერა:
- კრძალვა N1-1/1141, დამოწმების თარიღი: 23/07/2007, საქართველოს ეკონომიკური განვითარების მინისტრი
 - მიმართვა N0736, დამოწმების თარიღი: 06/01/2016, საშურის მენეჯერის განცხადებით
 - მიმართვა N57, დამოწმების თარიღი: 19/02/2010, საშურის მენეჯერის განცხადებით

მესაკუთრები:
 საშურის მენეჯერის განცხადებით

მესაკუთრე: **აღწერა:**
 საშურის მენეჯერის განცხადებით

იპოთეკა

საგადასახადო გირავნობა:
 რეგისტრირებული არ არის

ვალდებულება

ყადაღის კრძალვა:
 რეგისტრირებული არ არის

მოვალეობა რეგისტრირებული არ არის

საჯარო რეგისტრის ეროვნული სააგენტო. <http://public.reestr.gov.ge>

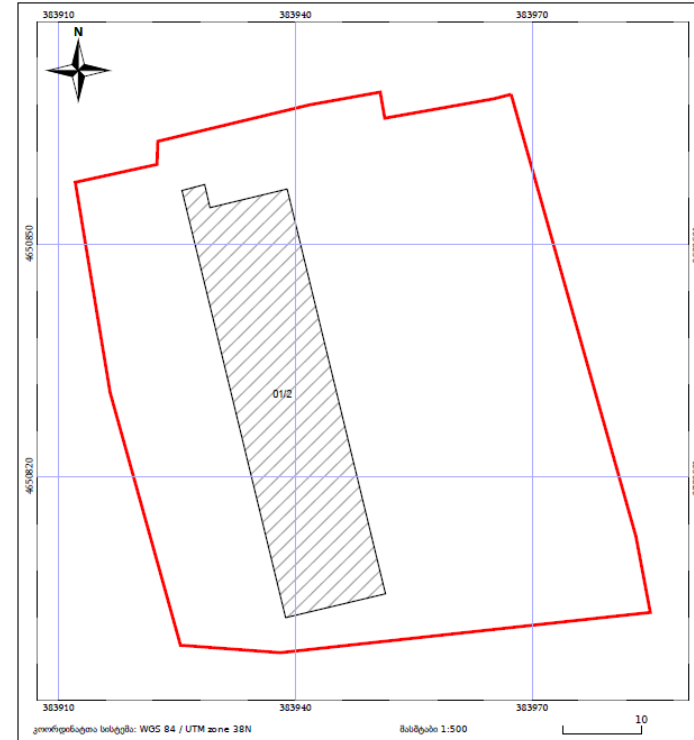
გვერდი: 1(2)



საკადასტრო გეგმა

საჯარო რეგისტრის ეროვნული სააგენტო

საკადასტრო კოდი: **69.08.57.287** ნაკვეთის დანიშნულება: **არასასოფლო საშენობო**
 განცხადების ნომერი: **882016005746** ფართობი: **3979 კვ.მ (WGS 84 / UTM zone 38N)**
 მომზადების თარიღი: **12/01/2016**



კოორდინატო სისტემა: WGS 84 / UTM zone 38N მასშტაბი 1:500

ნაკვეთის საკადასტრო საზღვარი	საზომი ნაკვეთი	ტყის დონე
შესაძენი ნაკვეთი	შეტანად ნაკვეთი	ვალდებულება

საჯარო რეგისტრის ეროვნული სააგენტო: მიხეილი 0102 88, ნაკოლიძის/ჩ. ჩხეიძის ქ. 2; ტელ: 1995 321 91 04 27;

<http://nacr.gov.ge>

Pictures of the kindergarten

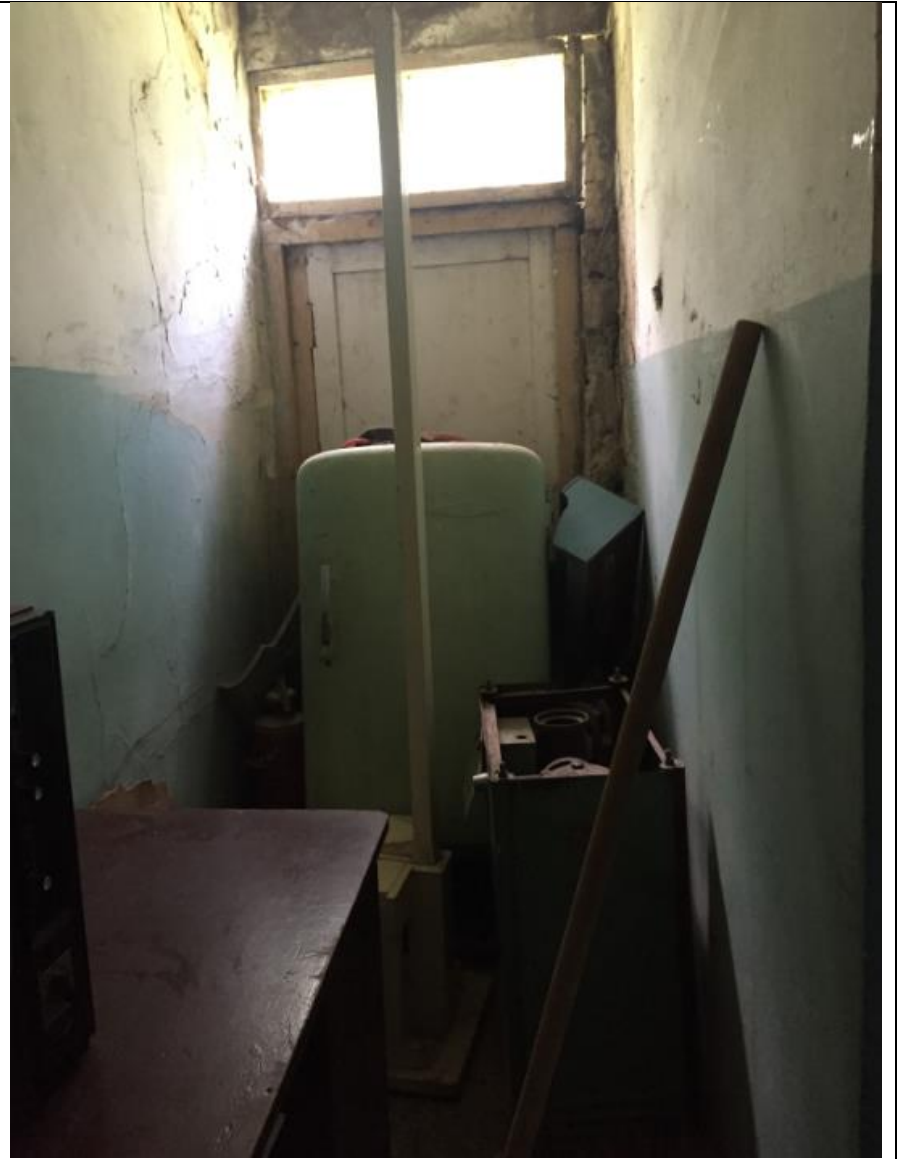












Renders

პროექტის რენდერი
M 1:100



ქ. ხაშურში, თამარ მეფის ქუჩაზე
პროექტული #7 სამკვებო ბაღი

დამკვეთი
ქ.ხაშურის მუნიციპალიტეტი,
ქ. ხაშური, ტაბიძის ქ.#2

დირაინი

SAXON საქონი

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პ. ხ.	ვაჟაფშაველას	
არქ.	დ.ვილჩენკო	
ინჟ.	ს.გუმბეროძე	
სტატუსი	ტექნიკური პროექტი	
ნახაზი	პროექტის რენდერი	
ფორმატი	A3	M 1:100
ვერსი		
თარიღი		
KHASH-REC-ARCH-28		

