



Reconstruction/Rehabilitation of Khashuri N 2 Public School

(Khashuri Municipality)

Environmental and Social Screening Report and Environmental Management Plan

**WORLD BANK FINANCED
INNOVATION, INCLUSION AND QUALITY PROJECT (GEORGIA I2Q PROJECT)**

Tbilisi, Georgia

October 2022

Sub project description

Rehabilitation of Khashuri N2 Public School in Khashuri Municipality is one of the sub-projects (SP) implemented under the Innovation, Inclusion and Quality Project (Georgia I2Q Project).

The SP site is located in Shida Kartli, in the city Khashuri (Cadastral code 69.08.62.077). The area of the territory is 5,767 m². The land plot registered with the school building belongs to Khashuri municipality. Access to the SP site is possible through Tbilisi-Senaki-Leselidze Highway and distance from Tbilisi is 131 km. It is possible to get to the territory from Rustaveli Street and Kifiani Street.

The main block of the school premises was constructed in the 1970s. In accordance with the revised scheme of seismic regions of the territory of Georgia, the SP belongs to the 8-point seismic activity zone according to the MSK64 scale (Order of the Minister of Economic Development of Georgia No. 1-1/2284, October 7, 2009). Study of the structural integrity of the school building was carried out in October 2021. Recommendations on the need for building reinforcement informed development of the school rehabilitation design. On October 04, 2022, the design passed expert examination by the accredited company *Expertiza LLC*.

The boiler building is a tin construction installed on square pillars. The central water supply system is faulty; therefore, water is supplied to the school premises from the nearby wells. One is located near the sanitary junction and the other is in the basement. Natural gas and electricity are supplied by municipal utility services. The sewage system is arranged and connected to the municipal sewage collection system.

According to the new design of the school building, 443 students will be accommodated in Khashuri Public School # 2. All existing walls will be completely cleaned of old coatings and will be plastered with a solution of sand-cement and painted with water-emulsion paint. The walls in the toilets will be covered with ceramic tiles.

The SP foresees the implementation of the following works:

- Preparatory works (fencing of the construction site, installation of temporary structures such as WCs, changing rooms for the workers, guard booth, storages for materials as well as household and hazardous waste disposal sites);
- Rehabilitation of the main building;
- Demolition of the existing boiler building and construction of the new one;
- Rehabilitation of the external engineering networks and installation of the new ones;
- Installation of fire alarm and firefighting systems;
- Adaptation of building for the needs of differently abled;
- Installation of water supply, heating, ventilation and electrical networks for the building. Both potable water and sewage systems will be connected to the existing municipal network; Upgrade of the territory around school building.

The existing school building is not adapted for people with disabilities or other special needs.

The school premises do not represent physical cultural heritage of Georgia.

Rehabilitation of the building roofing will imply removal of old roofing sheets containing asbestos. Hence, generation of hazardous construction waste in the amount of 10m³ is anticipated.

There are twenty-one coniferous and deciduous trees in the designated SP area. According to the new design, there is necessary to cut 11 trees – 10 of which are Black Pine (*Pinus Nigra*) and one Himalayan cedar (*Cedrus deodara*). None of those mentioned trees to be cut belongs to the Red List of Georgia. Before starting construction works, the contractor needs to obtain tree-cutting permission from Khashuri City Hall. The trees will be cut under the supervision of a designated specialist.

SP implementation will require stripping of topsoil in the volume of 360 m³. It will be temporarily stored on the construction site in accordance with the requirements stipulated of the technical regulations approved by the Resolution N424 of the Government of Georgia of December 31, 2013, on the Removal, Storage, Use, and Reclamation of Topsoil.

The SP doesn't envisage land take or physical relocation, neither economic displacement (for example, for

formal or informal vendors). During the construction works the studying process will not be disrupted, the staff of the school and the children will be temporarily moved to Khashuri N5 School.

Environmental Screening

(A) IMPACT IDENTIFICATION

<p>Does the sub-project have 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 school building, demolition of the existing boiler building and construction of the new one, rehabilitation of the external engineering networks and installation of the new ones, landscaping of the school territory, rehabilitation of the entryway and construction of the pathways.</p>
<p>What are the significant beneficial and adverse environmental effects of sub-project?</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 from maintenance of the school which will be managed by the local municipality.</p> <p>The SP is located in the area with modified environment. Therefore, the impact will be transitory and insignificant (noise, emissions, construction waste, temporary disturbance of traffic and access, etc.).</p> <p>Occupational health and safety risks and the risk of environmental pollution is associated with the removal of asbestos-containing roofing materials.</p> <p>In operation phase proper management of generated solid waste should be ensured to reduce impact on the environment.</p>
<p>May the sub-project 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 school, which will be also adapted to the people with disabilities.</p> <p>Ultimate goal of the SP is to improve the quality and conditions of education for children in Khashuri town. Reconstruction of the school 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 school 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>The SP will create temporary and some permanent job opportunities for the local population (both men and women), as they could be employed during rehabilitation and maintenance. Availability of modern school in the community will allow more people (especially those having school age children) to stay in the town of Khashuri.</p> <p>Negative impact is short term and limited to the construction site. It is related to the possible disturbance described above.</p> <p>In case renovation activities have to be undertaken in parallel with the teaching process, an option of temporary moving the teaching process to a nearby school will be considered. If the latter is impossible, the renovation activities will be limited to a part of the school building that is made inaccessible to schoolchildren</p>

	<p>(e.g. renovation in carried out on one floor of the building while teaching is carried out on another only). Personal protective equipment will be applied during implementation of works.</p> <p>The SP envisages adaption of the school building to make available servicing of people with disabilities.</p> <p>The SP doesn't envisage land take or resettlement, as well as economic displacement (for example, for formal or informal vendors).</p>
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(B) MITIGATION MEASURES

<p>Were there any alternatives to the sub-project design considered?</p>	<p>As the SP envisages rehabilitation of the existing school building, alternatives regarding the SP design were not considered.</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 scheduling, traffic management, and good maintenance of the construction machinery.</p> <p>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, the contractor will be required to organize and cover material storage areas. The material storage sites will be protected from washing out during heavy rainfalls and flooding through covering by impermeable materials; car maintenance points will not be located within 50 m of any watercourse.</p> <p>During SP implementation, warning signs will be used, and traffic will be managed around the work sites.</p> <p>Handling of asbestos-containing waste will require much attention to prevent damage to health and safety of workers, nearby communities, and pollution of the environment. Disciplined use of personal protective equipment, watering of the worksite, separate safe on-site storage of hazardous waste, and its timely disposal to the designated landfill operated by the Solid Waste Management Company of Georgia will be applied as mitigation measures. Local residents will be warned upfront on the health risks associated with the re-use of asbestos-containing material and their agreement to allow disposal of such material will be secured.</p> <p>Community health and safety will be an issue during the construction phase as residential buildings are located near the project site. The contractor will be responsible for taking specific measures to mitigate the impact on locals, including informing the affected population on the upcoming works and any temporary disruptions of municipal services, limiting working hours to daytime, limiting the speed of moving construction vehicles & machinery, minimizing noise & dust emissions, etc.</p> <p>In case renovation activities have to be undertaken in parallel with the teaching process, the staff of the school and the children will be temporarily moved to Khashuri N 5 school. The Ministry of Education and Science (MES) will ensure all temporary arrangements for teaching and transportation of students to the alternative locations. Special attention will be given to the vulnerable/minority groups.</p> <p>No major hazards are expected during the renovation works, as long as proper construction practices and safety procedures are applied. School rehabilitation activities will be undertaken preferably during summer months (non-operation period for school) to minimize hindering the teaching process and to eliminate the risk of accidents involving children.</p> <p>There are grass cover and topsoil layer on designing territory. Due to works, 360 m³ of</p>

	<p>topsoil will be appeared. The revealed topsoil will be fully re-used for the landscaping. Before commencing the soil works, cleaning of designing territory from grass-type plants, topsoil will be removed and temporary stored.</p>
<p>What lessons from the previous similar projects have been incorporated into the sub-project design?</p>	<p>MDF has a broad experience in the implementation of reconstruction / rehabilitation for medium and large-scale buildings (including public schools and kindergartens) roads and streets financed by various donor organizations. Based on lessons learned from previous similar projects, design envisages not only the rehabilitation of the school, but also the improvement of heating, ventilation and fire control system, hot water supply, lighting systems and reference energy saving potential, implementation of energy efficiency improvement measures.</p> <p>The infrastructure of the school 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 sub- project preparation?</p>	<p>The SP has been developed by the MES together with Khashuri Municipality as a response to the current situation.</p> <p>Population of the town were consulted by the Khashuri municipality administration together with the MES and their interest has been taken into consideration in preparation process of the SP.</p> <p>ESMP drafted for the SP will be made available for the beneficiaries and other interested parties and will be discussed in a consultation meeting.</p> <p>Information about the public consultation meeting will be announced both on the official websites of the MDF and MES, as well as on the information boards of the school and the local municipality building.</p> <p>The public discussion will be organized by MDF and MES. The public discussion will be attended by all the interested parties, including parents of the school students. Information about the exact time and place of the public consultation meeting will be announced at least 10 days before.</p> <p>In case a lockdown is introduced due to COVID or other infectious disease breakdown, conducting of a virtual consultation may be required and the details of that will be worked out in a due time.</p>

(C) CATEGORIZATION AND CONCLUSION

Conclusion of the environmental screening:

- 1. Subproject is declined
- 2. Subproject is accepted

Subproject preparation requires:

- 1. Completion of the Environmental and Social Management Checklist for Small Construction and Rehabilitation Activities
- 2. Environmental and Social Review, including development of Environmental and Social Management Plan

Social and Cultural Resource Screening of SP

Social safeguards screening information		Yes	No
1	Is the information related to the affiliation, ownership and land use status of the sub-project site available and verifiable? (The screening cannot be completed until this is available)	X	
2	Will the sub-project 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?		X
3	Will the sub-project result in resettlement of individuals or families or require the acquisition of land (public or private, temporarily or permanently) for its development?		X
4	Will the project result in the temporary or permanent loss of crops, fruit trees and household infra-structure (such as ancillary facilities, fence, canal, granaries, outside toilets and kitchens, etc.)?		X
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 PolicyFramework			
Cultural resources safeguard screening information		Yes	No
5	Will the project require excavation near any historical, archaeological or cultural heritage site?		X
If answer to question 5 is "Yes", then OP/BP 4.11 Physical Cultural Resources is applicable and possible chance finds must be handled in accordance with OP/BP and relevant procedures provided in the Environmental and Social Management Framework.			

Environmental and Social Management Plan

PART A: GENERAL PROJECT AND SITE INFORMATION

INSTITUTIONAL & ADMINISTRATIVE	
Country	Georgia
Project title	INCLUSION, INNOVATION AND QUALITY PROJECT (GEORGIA I2Q PROJECT)
Sub-Project title	Reconstruction/Rehabilitation of Khashuri N 2 Public School
Scope of site-specific activity	<p>Rehabilitation design of Khashuri N2 Public School in Khashuri Municipality is one of the sub-projects (SP) implemented under the Georgia I2Q Project.</p> <p>The SP site is located in Shida Kartli, in the city Khashuri (Cadastral code 69.08.62.077). The area of the territory is 5,767 m². The land plot registered with the school building belongs to Khashuri municipality. Access to the SP site is possible through Tbilisi-Senaki-Leselidze Highway and distance from Tbilisi is 131 km. It is possible to get to the territory from Rustaveli Street and Kifiani Street.</p> <p>The main block of the school premises was constructed in the 1970s. In accordance with the revised scheme of seismic regions of the territory of Georgia, the SP belongs to the 8-point seismic activity zone according to the MSK64 scale (Order of the Minister of Economic Development of Georgia No. 1-1/2284, October 7, 2009, Tbilisi. Study of the structural integrity of the school building was carried out in October 2021. Recommendations on the need for building reinforcement informed development of the school rehabilitation design. On October 04, 2022, the design passed expert examination by the accredited company <i>Expertiza LLC</i>.</p> <p>The boiler building is a tin construction installed on square pillars. The central water supply system is faulty; therefore, water is supplied to the school premises from the nearby wells. One is located near the sanitary junction and the other is in the basement. Natural gas and electricity are supplied by municipal utility services. The sewage system is arranged and connected to the municipal sewage collection system. According to the new design of the school building, 443 students will be accommodated in Khashuri Public School # 2. All existing walls will be completely cleaned of old coatings and will be plastered with a solution of sand-cement and painted with water-emulsion paint. The walls in the toilets will be covered with ceramic tiles.</p> <p>All existing walls will be completely cleaned of old coatings and will be plastered with a solution of sand-cement and painted with water-emulsion paint. The walls in the toilets will be covered with ceramic tiles.</p> <p>The SP foresees the implementation of the following works:</p> <ul style="list-style-type: none">• Preparatory works (fencing of the construction site, installation of temporary structures such as WCs, changing rooms for the workers, manufacturer and guard booths, storages for materials as well as household and hazardous waste disposal sites);• Rehabilitation of the main building;• Demolition of the existing boiler building and construction of the new one;

	<ul style="list-style-type: none"> • Rehabilitation of the external engineering networks and installation of the new ones; • Installation of fire alarm and firefighting systems; • Installation of water supply, heating, ventilation and electrical networks for the building. Both potable water and sewage systems will be connected to the existing municipal network; Upgrade of the territory around school building. <p>Rehabilitation of the building roofing will imply removal of old roofing sheets containing asbestos. Hence, generation of hazardous construction waste in the amount of 10m³ is anticipated.</p> <p>There are twenty-one coniferous and deciduous trees in the designated SP area. According to the new design, there is necessary to cut 11 trees – 10 of which are Black Pine (<i>Pinus Nigra</i>) and one Himalayan cedar (<i>Cedrus deodara</i>). None of those mentioned trees to be cut belongs to the Red List of Georgia. Before starting construction works, the contractor needs to obtain tree-cutting permission from Khashuri City Hall. The trees will be cut under the supervision of a designated specialist.</p> <p>SP implementation will require stripping of topsoil in the volume of 360 m³. It will be temporarily stored on the construction site in accordance with the requirements stipulated of the technical regulations approved by the Resolution N424 of the Government of Georgia of December 31, 2013, on the Removal, Storage, Use, and Reclamation of Topsoil.</p> <p>The SP doesn't envisage land take or physical relocation, neither economic displacement (for example, for formal or informal vendors). During the construction works the studying process will not be disrupted, the staff of the school and the children will be temporarily moved to Khashuri N 5 school.</p>		
Institutional arrangements (WB)	Task Team Leader Shiro Nakata		Safeguards Specialists: Darejan Kapanadze – <i>Environment</i> Davit Jijelava – <i>Social</i>
Implementation arrangements (Borrower)	Implementing entity: Municipal Development Fund of Georgia	Works supervisor: Company Eptisa Servicios de Ingenieria S.L. Spain	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	N2 Tabidze street, Khashuri, Georgia (0368) 24 15 02; Info@khashuri.gov.ge		
Who owns the land? Who uses the	LEPL Khashuri Municipality		

land (formal/informal)?	
Description of physical and natural environment, and of the socio-economic context 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>According to PN 01.05-08 ("Construction Climatology"), the main climatic characteristics of the study area are as follows:</p> <ul style="list-style-type: none"> • Average temperature of the year - +9.6⁰ C; • Absolute minimum temperature - -27.0⁰ C; • Absolute maximum temperature - +37.0⁰ C; • Precipitation per year - 781.0 mm; • Maximum wind speed once in 20 years - 31.0 m/s; • Normal value of wind pressure is 0.38 kPa once in 5 years; Once in 30 years - 0.48 kPa; • Wind prevailing direction - Northeast; • Snow cover pressure - 0.88 kpa; • Number of days of snow cover - 66; • Normal depth of seasonal freezing of soils - for clay soil - 27 cm. <p>Hydrogeological network of the municipality is represented with the rivers Suramula, Satibe, Cheratkhevi, and Tiliana.</p> <p>The school to be rehabilitated is attended by 370 pupils of the local communities. This school serves about 250 local households, whose children study there. In case renovation activities have to be undertaken in parallel with the teaching process, the staff of the school and the children will be temporarily moved to Khashuri N 5 school. MES will ensure all temporary arrangements for teaching and transportation of students to the alternative locations. Special attention will be given to the vulnerable/minority groups.</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>
Locations and distance for material sourcing, especially aggregates, water, stones?	<p>Water will be available at the construction site from the municipal water supply system.</p> <p>The nearest licensed borrow pits are in 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 the utility company Khashur service. In Khashuri municipality, there is a licensed landfill of the Solid Waste Company of Georgia LLC . The landfill also receives construction waste.</p>
LEGISLATION	

<p>National & local legislation & permits that apply to project activity</p>	<p>I2Q Project is implemented in accordance with the World Bank's safeguard policy OP/BP 4.01 - Environmental Assessment. Based on this policy, present SP is classified as environmental category "B" and the present ESMP is developed for rehabilitation works according to the principles of OP/BP 4.01 and Environmental and Social Management Framework (ESMF) of I2Q Project.</p> <p>Under the national legislation of Georgia, school rehabilitation does not require an environmental impact assessment and issuance of an Environmental Decision. However, with the national regulations' system:</p> <ul style="list-style-type: none"> (i) Construction materials must be obtained from licensed providers. (ii) If the Contractor wants to open a quarry, an appropriate license must be obtained from the National Agency of Minerals Resources under the Ministry of Economy and Sustainable Development. (iii) Suppose over 200 tons of non-hazardous waste or over 1000 tons of inert materials or over 120 kg of hazardous waste is generated annually due to the contractor's activities. In that case, the contractor shall prepare and obtain approval of the Ministry of Environmental Protection and Agriculture (MoEPA) on the Waste Management Plan, prepare the report on waste inventory and appoint an environmental manager, whose identity information should be submitted to the MoEPA following the requirements of the Waste Management Code. (iv) Construction waste shall be disposed at the official landfill based on the agreement with the Solid Waste Management Company or placed at the pre-selected site officially agreed with local self-government (v) Asbestos containing materials will be demolished allying conventional safety rules and disposed on nearest municipal landfill in accordance with Rules and Norms for Governmental Decree # 145, March 29, 2016) and Waste Management Code of Georgia. <ul style="list-style-type: none"> (i) The topsoil shall be removed and stored in accordance with the requirements stipulated in the Resolution N424 of the Government of Georgia of December 31, 2013, on the Removal, Storage, Use, and Reclamation of Topsoil. (ii) Sites for the temporary storage of spoil and construction waste should be authorized by City Hall of Khashuri Municipality. <p>GOST and SNIP norms must be adhered.</p>
<p>GRIEVANCE REDRESS MECHANISM</p>	

A grievance redress mechanism (GRM) will be available to allow project-affected people (PAP) appealing any action or decision on which they disagree.

PAP will be informed about the available GRM during public consultations and through distributing of brochures prior to commencement of works. In addition, an announcement with relevant information will be displayed on the information boards in the lobbies of buildings of local municipality. PAP will be fully informed of their rights and of the procedures for addressing complaints either verbally or in writing during pre-contraction, construction and operation periods. Care will always be taken to prevent grievances rather than going through a redress process.

Received grievances will be lodged to the Ministry of Education and Science of Georgia (MES) and to the MDF. As for grievance monitoring, MES and MDF register all received compliances, comments, and how the compliance will be addressed. During public consultations, the local population will be informed about the grievance redress process and received information about contact persons.

The contact person from the MES is Marine Zhvania(Tel: +995 577 27 88 41, marina.zhvania@iiq.gov.ge, 0102 Tbilisi, Dimitri Uznadze N 52).

The contact person from the MDF is Nutsa Gumberidze (Tel: +995 598 88 20 19, feedback@mdf.org.ge, 150 Davit Aghmashenebeli ave., 4th floor, 0112 Tbilisi, Georgia)

PUBLIC CONSULTATION

Identify when / where the public consultation process will take place

Information about the public consultation meeting will be announced both on the official websites of the MDF and MES, as well as on the information boards of the school and local municipality building.

The public discussion will be organized by MDF and MES. The public discussion will be attended by all interested parties, including parents of the school students. Information about the exact time and place of the public consultation meeting will be announced at least 10 days before.

In case a lockdown is introduced due to COVID or other infectious disease breakdown, conducting of a virtual consultation may be required and the details of that will be worked out in a due time.

Records of the public consultation process will be attached to the present ESMP.

ATTACHMENTS

Attachment 1: Ortho Photo

Attachment 2: General Plan

Attachment 3: Topo Plan

Attachment 4: Cadastral Information

Attachment 5: Cadastral Plan

Attachment 6: Site photos

Attachment 7: Design drawings (3D visualization etc.)

Attachment 8: Minutes of public consultation on the draft ESMP (to be provided by MDF)

Attachment 9: Agreements/licenses (to be provided)

PART B: SAFEGUARDS INFORMATION

ENVIRONMENTAL /SOCIAL SCREENING			
Will the site activity include/involve any of the following?	Activity/Issue	Status	Triggered Actions
	1. Rehabilitation	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If yes, see Section A below
	2. New construction	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes, see Section A below
	3. Individual wastewater treatment system	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes, see Section B below
	4. Historic building(s) and districts	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes, see Section C below
	5. Acquisition of land ¹	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes, see Section D below
	6. Impacts on land and property use	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes, see Section E below
	7. Hazardous or toxic materials ²	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If yes, see Section F below
	8. Impacts on forests and/or protected areas	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes, see Section G below
	9. Handling / management of medical waste	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes, see Section H below
	10. Traffic and pedestrian safety	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If yes, see Section I below
	11. Community and labor health and safety	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If yes, see Section J 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, lead-containing and other toxic paints, noxious solvents, etc.

PART C: MITIGATION MEASURES

ACTIVITY	PARAMETER	MITIGATION MEASURES CHECKLIST
0. General Conditions	Notification and Worker Safety	<ul style="list-style-type: none"> (a) Obtain all legally required permits for construction, extraction, natural construction materials, disposal of waste, and others as relevant. (b) Ensure the supply of personal protective equipment to stall and personnel following good international practice (always hardhats, as needed masks and safety glasses, harnesses, and safety boots), and control its use. (c) Signpost worksites to inform workers of key rules and regulations to follow. (d) Put up information on the company undertaking works at each worksite and provide contact information. (e) Workers' PPE will comply with international good practice (always hardhats, as needed masks and safety glasses, harnesses and safety boots)
A. General Rehabilitation and /or Construction Activities	Air Quality	<ul style="list-style-type: none"> (a) Keep demolition debris in a controlled area and spray with water to reduce debris dust. (b) Suppress during pneumatic drilling/wall destruction by ongoing water spraying and/or installing dust screen enclosures at the site. (c) Keep the surrounding environment (sidewalks, roads) 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 construction noise to daytime working hours. (b) During operations, the engine covers of generators, close air compressors, and other powered mechanical equipment, and place equipment as far away from residential areas as possible (c) The maximum allowed speed should be restricted.
	Water Quality	<ul style="list-style-type: none"> (a) Establish appropriate erosion and sediment control measures such as hay bales and/or silt fences to prevent sediment from moving off-site and causing excessive turbidity in nearby streams and rivers. (b) Wash construction vehicles and machinery only in designated areas where runoff will not pollute natural surface water bodies; (c) 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.

	Waste management	<ul style="list-style-type: none"> (a) Minimize the amount of generated waste to the extent possible. (b) Separate various types of generated waste and re-use / recycle relevant types of waste to the possible extent. (c) Allocate sites for temporary on-site storage of various types of waste. Do not allow the accumulation of excessive amounts of waste on-site. (d) Obtain formal arrangements with municipal authorities to dispose of household waste and final placement of excess material (inert construction waste). (e) Make timely arrangements for the disposal or hand-over of hazardous waste to licensed companies.
	Material supply	<ul style="list-style-type: none"> (f) Use existing plants, quarries, or borrow pits with appropriate official approval or valid operating license. (g) Obtain licenses for any new quarries and/or borrowing areas if their operation is required; (h) Reinstate used sections of quarries and/or borrowing areas as extraction proceeds on or properly closed quarries if extraction completed and license expired; (i) Haul materials in off-peak traffic hours; (j) Place speed regulating, diverting, and warning signs for traffic as appropriate.
	Earthworks	<ul style="list-style-type: none"> (a) Topsoil should be stripped before starting of earthworks; (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); (c) Stored topsoil should be used for reinstatement and landscaping. (d) Topsoil from the sites, which will not be reinstated to the initial conditions will be distributed carefully on the surrounding area. (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. (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, 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.
F. Hazardous or toxic materials	Asbestos management	<ul style="list-style-type: none"> (a) If asbestos is located on the project site, it shall be marked clearly as hazardous material; (b) When possible, the asbestos will be appropriately contained and sealed to minimize exposure; (c) The asbestos prior to removal (if removal is necessary) will be treated with a wetting agent to minimize asbestos dust; (d) Asbestos will be handled and disposed by skilled & experienced professionals; (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. (g) The removed asbestos will not be reused
	Toxic / hazardous waste management	<ul style="list-style-type: none"> (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 (b) The containers of hazardous substances shall be placed in a leak-proof container to prevent spillage and leaching (c) The wastes shall be transported by specially licensed carriers and disposed in a licensed facility. (d) Paints with toxic ingredients or solvents or lead-based paints will not be used
J. Community and labor health and safety	Public relationship management	<ul style="list-style-type: none"> (a) Assign a local liaison person within the Contractor's team to communicate with and receive requests/ complaints from the local population. (b) Consult local communities to identify and proactively manage potential conflicts between an external workforce and local people. (c) Raise local community awareness about sexually transmitted disease risks associated with an external workforce and include local communities in awareness activities. (d) Inform the population about construction and work schedules, interruption of services, traffic detour routes and provisional bus routes, blasting, and demolition, as appropriate. (e) Limit construction activities at night. When necessary, ensure that night work is carefully scheduled, and the community is adequately informed about taking essential measures. (f) At least five days in advance of any service interruption (including water, electricity, telephone, bus routes), advise the community through postings at the worksite, at bus stops, and in affected homes/businesses. (g) Address concerns raised through Grievance Redress Mechanism established by the Employer within the designated timeline within the scope of Contractor's liability. (h) To the extent possible, do not locate work camps close to local communities. (i) Undertake siting and operation of worker camps in consultation with neighboring communities.

	Labor management	<ul style="list-style-type: none">(a) Recruit unskilled or semi-skilled workers from local communities to the extent possible. Where and when feasible, worker skills training should be provided to enhance the participation of local people.(b) Provide adequate lavatory facilities (toilets and washing areas) in the worksite with sufficient supplies of hot and cold running water, soap, and hand drying devices. A temporary septic tank system should be established for any residential labor camp without causing pollution of nearby watercourses.(c) Raise awareness of workers on overall relationship management with the local population, establish the code of conduct in line with international practice and strictly enforce them, including the dismissal of workers and financial penalties of adequate scale.(d) Immediately notify supervision engineer and employer on any worksite accidents causing tangible damage to human or environmental health.
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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 the 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	Vehicles and machinery are kept in standard technical condition; Truck loads are confined and protected with lining; Established hours and routes of transportation are respected	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 Ministry of Culture and Monument Protection, and resumption of works exclusively upon formal consent of the Ministry. Topsoil is striped before starting of the earthworks;	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

	<p>Proper topsoil storage practice is applied; Temporary protective silt fencing is erected;</p> <p>Striped topsoil is used for reinstatement and landscaping.</p>					
Sourcing of the natural construction material	<p>Purchase of material from the existing suppliers if feasible; Obtaining of extraction license by the works contract and strict compliance with the license conditions; Terracing of the borrow area, backfilling to the exploited areas of the borrow site, and landscape harmonization; 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.</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; Limiting erosion of riverbanks, water pollution with suspended particles, and disruption of aquatic life.</p>	MDF, Construction supervisor
Generation of construction waste	<p>The temporary storage of construction waste in specially allocated areas; Timely disposal of waste to the formally designated locations</p>	<p>Construction site; Waste disposal site</p>	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	<p>Appropriate containment of asbestos-containing waste and its marking as hazardous material; Sprinkling of asbestos-</p>	At construction site	<p>Inspection of documents Inspection of works</p>	In the course of demolition works	Prevent pollution by toxic materials To protect workers' health	MDF, Construction supervisor

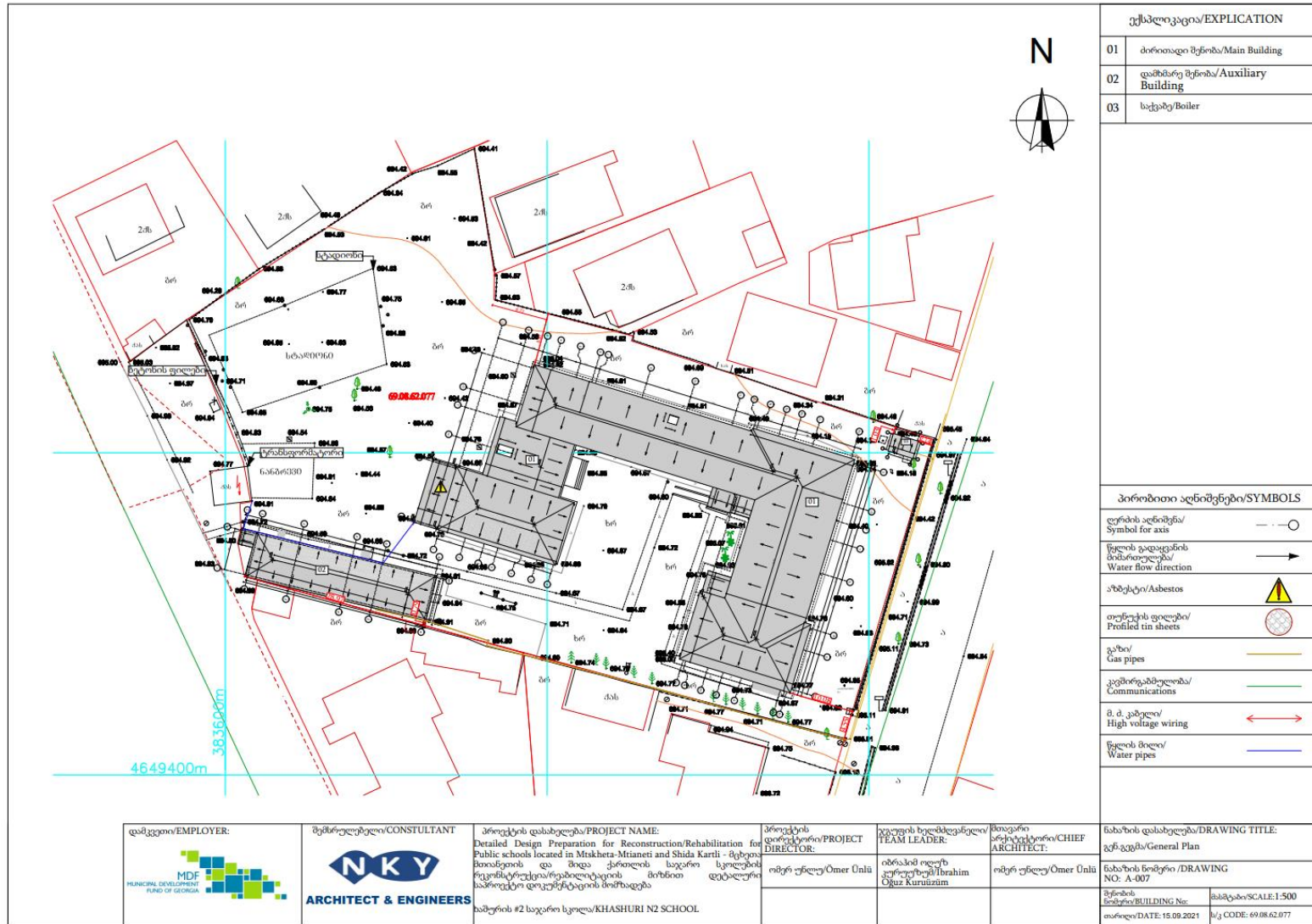
	<p>containing material with water while handling; Staff handling asbestos-containing materials wear full uniforms, protective masks and goggles; Security measures taken against unauthorized removal of asbestos-containing material from the site: waste is contained and marked clearly as hazardous material; dismantled asbestos-containing pipes are immediately disposed on the nearest landfill - under supervision of representatives of supervisory company.</p>					
Traffic disruption and limitation of pedestrian access	<p>Installation of traffic limitation/diversion signage; Storage of construction materials and temporary placement of construction waste in a way preventing congestion of access roads</p>	At and around the construction site	Inspection	In the course of construction works	Prevent traffic accidents; Limit nuisance to residents	MDF, Construction supervisor
Workers' health and safety	<p>Provision of uniforms and safety gear to workers; Provision of potable water and lavatories for men and women at worksite; 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	The limited occurrence of on-the-job accidents and emergencies	MDF, Construction supervisor

	Adoption and adherence to plan for preventing spread of COVID-19 infection and action in response to the possible outbreak.					
Works within settlement	<p>Informing affecting population on the upcoming works and any temporary disruptions of municipal service provision that may occur during works;</p> <p>Observance of the established working hours during daytime, minimizing noise and dust emissions, limiting speed of moving construction vehicles and machinery.</p>	Construction site	Inspection	Recurrent	Ensure the safety of residents and minimize nuisance	MDF, Construction supervisor
OPERATION PHASE						
Generation of waste from maintenance of rehabilitated school	Proper management of solid waste	Municipal area	Inspection	Throughout operation of the school	Prevent pollution with solid waste	MES

Attachment 1: Ortho Photo



Attachment 2: General Plan



ექსპლიკაცია/EXPLANATION	
01	ძირითადი შენობა/Main Building
02	დახმარებელი შენობა/Auxiliary Building
03	საცხებე/Boiler

პირობითი აღნიშვნები/SYMBOLS	
ღერძის აღნიშვნა/ Symbol for axis	
წყლის გადაყვანის მიმართულება/ Water flow direction	
აზბესტი/Asbestos	
თუნუქის ფილები/ Profiled tin sheets	
გაზის/ Gas pipes	
კომუნიკაციები/ Communications	
მ.დ. კაბელი/ High voltage wiring	
წყლის მიწის/ Water pipes	

დამკვეთი/EMPLOYER:

შემსრულებელი/CONSULTANT

პროექტის დასახელება/PROJECT NAME:
 Detailed Design Preparation for Reconstruction/Rehabilitation for Public schools located in Mskheta-Mtianeti and Shida Kartli - ცხეთის მთიანეთის და შიდა ქართლის საჯარო სკოლების რეკონსტრუქცია/რეაბილიტაციის მიზნით დეტალური პროექტი დოკუმენტაციის მომზადება

ხაშურის #2 საჯარო სკოლა/KHASHURI N2 SCHOOL

პროექტის დირექტორი/PROJECT DIRECTOR:
 ომერ უნლუ/Omer Unlu

ჯგუფის ხელმძღვანელი/TEAM LEADER:
 იბრაჰიმ ილუზ/ Ibrahim Oguz Kuruzum

მთავარი არქიტექტორი/CHIEF ARCHITECT:
 ომერ უნლუ/Omer Unlu

ნახაზის დასახელება/DRAWING TITLE:
 ზგ. გეგმა/General Plan

ნახაზის ნომერი /DRAWING NO.: A-007

შენიშვნა/BUILDING No.:
 მასშტაბი/SCALE: 1:500

თარიღი/DATE: 15.09.2021
 ს/კ CODE: 69.08.62.077

Attachment 4: Cadastral Information



მაჩის (უძრავი ქონების) საკადასტრო კოდი **N 69.08.62.077**

ამონაწერი საჯარო რეესტრიდან

განცხადების რეგისტრაცია
N 882015539605 - 22/09/2015 15:53:43

მომზადების თარიღი
15/10/2015 11:18:17

საკუთრების განყოფილება

მონა ხაშური	სექტორი ხაშური	კვარტალი	ნაკვეთი	ნაკვეთის საკუთრების ტიპი:საკუთრება ნაკვეთის დანიშნულება: არასასოფლო სამეურნეო დამუსკვებელი ფართობი: 5767.00 კვ.მ. ნაკვეთის წინა ნომერი: 69.08.11.023 ; შენიშვნა-ნაგებობის ჩამონათვალიშენიშვნა ნაგებობა N1 საერთო ფართი 1790კვ.მ შენიშვნა N2 საერთო ფართი 172.6კვ.მ
69	08	62	077	
მისამართი: ქალაქი ხაშური , ქუჩა რუსთაველი , N 95				

მესაკუთრის განყოფილება

განცხადების რეგისტრაცია : ნომერი 692006001775 , თარიღი 19/07/2006

უფლების დამადასტურებელი დოკუმენტი:

- მომართვა N03-397 , დამოწმების თარიღი:17/07/2006 , შიდა ქართლის სახელმწიფო ქონების აღრიცხვისა და პრივატიზაციის სამხარეო სამმართველო
- განკარგულება N14 , დამოწმების თარიღი:15/01/2004 , ხაშურის რაიონის გამგებელი

მესაკუთრები:
სახელმწიფო

მესაკუთრე:
სახელმწიფო

აღწერა:

იპოთეკა

საგადასახადო გირავნობა:

რეგისტრირებული არ არის

სარგებლობა

განცხადების
რეგისტრაცია
ნომერი
882015539605
თარიღი 22/09/2015
15:53:43

მოსარგებლე: სსიპ დავით კაკაშვილის სახელობის ხაშურის N2 საჯარო სკოლა
მესაკუთრე: სახელმწიფო

საგანი: მიწის ნაკვეთი 5767.00 კვ.მ, შენობა-ნაგებობა N1 საერთო ფართი 1790.0 კვ.მ, N2
საერთო ფართი 172.6 კვ.მ;
არსებობის ვადით;

უფლების
რეგისტრაცია: თარიღი
15/10/2015

მომართვა, რეგისტრის ნომერი N11/54174, დამოწმების თარიღი 11/09/2015, სახელმწიფო
ქონების ეროვნული სააგენტო

ვალდებულება

ყალბა/აკრძალვა:

რეგისტრირებული არ არის

მოვალეთა რეესტრი:

რეგისტრირებული არ არის

"ფიზიკური პირის მიერ 2 წლამდე ვადით საკუთრებაში არსებული მატერიალური აქტივის რეალიზაციისას, აგრეთვე საგადასახადო წლის განმავლობაში 1000 ლარის ან მეტი ღირებულების ქონების ხაშურად მიღებისას სამშობლო გარეგანი საგადასახადო ვალდებულება საინფორმაციო წლის მომდევნო წლის 1 აპრილამდე, რის შესახებაც აღნიშნული ფიზიკური პირი იმავე ვადაში წარუდგენს დეკლარაციას საგადასახადო ორგანოს. აღნიშნული ვალდებულების შეუსრულებლობა წარმოადგენს საგადასახადო სამართალდარღვევას, რაც იწვევს პასუხისმგებლობის საქართველოს საგადასახადო კოდექსის XVIII თავის მიხედვით."

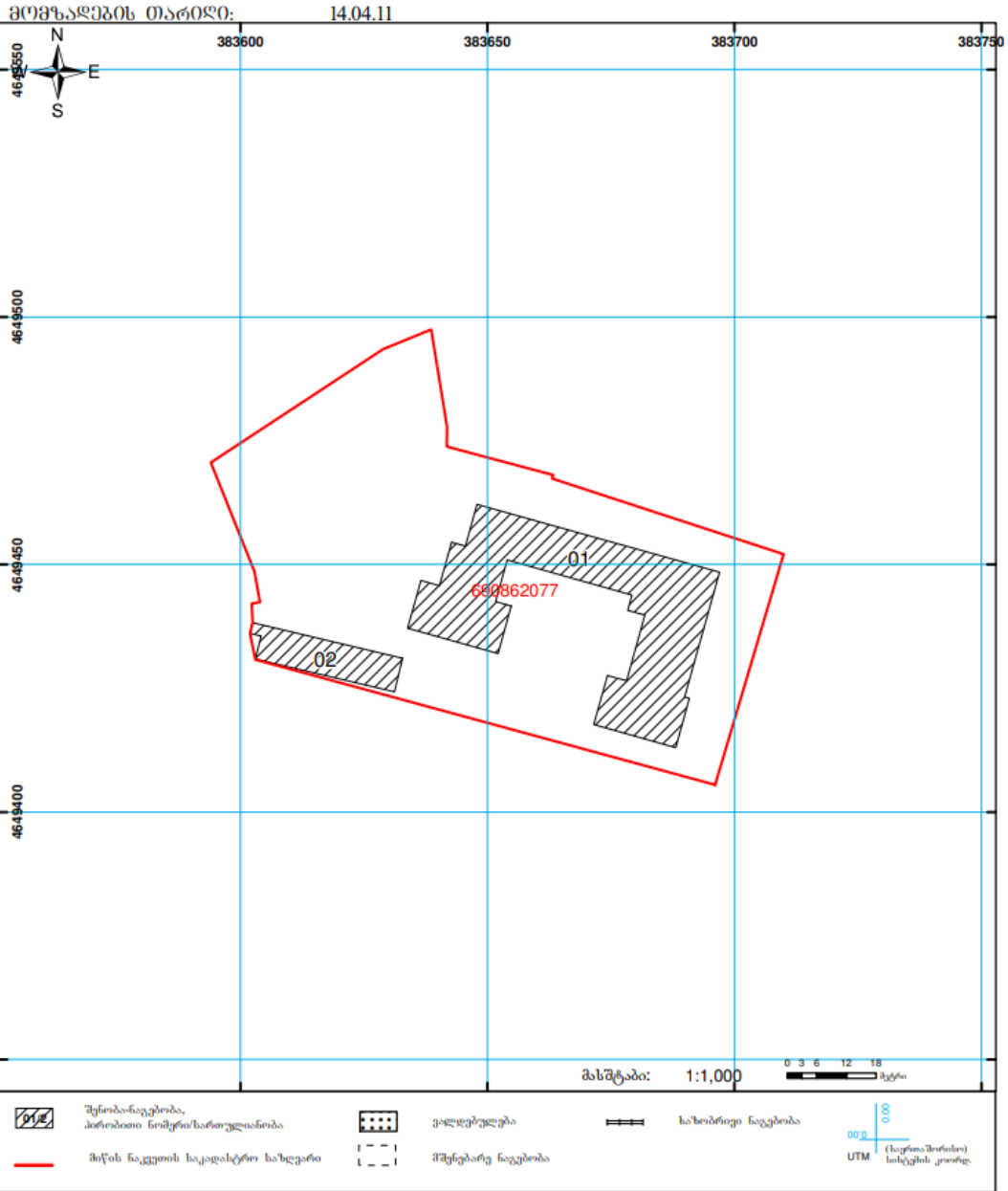
- დოკუმენტის ნაშეიღობის გადამოწმება შესაძლებელია საჯარო რეესტრის ეროვნული სააგენტოს ოფიციალურ ვებ-გვერდზე www.napr.gov.ge;
- ამონაწერის მიღება შესაძლებელია ვებ-გვერდზე www.napr.gov.ge, ნებისმიერ გეროგორიულ სარეესტრაციო სამსახურში, ოქსიციის სახლებსა და სააგენტოს ავტორიზებულ პირებთან;
- ამონაწერში გეოქოლოგური ხარუების აღმოჩენის შემთხვევაში დავით კაკაშვილი: 2 405405 ან პირადად შეიხვეთ განაცხადი ვებ-გვერდზე;
- კომპლუტაციის მიღება შესაძლებელია ოქსიციის სახლის ცხელ ხაზზე 2 405405;
- საჯარო რეესტრის თანამშრომელთა მხრიდან უკანონო ქმედების შემთხვევაში დავით კაკაშვილი ცხელ ხაზზე: 08 009 009 09
- თქვენთვის საინფორმაციო ნებისმიერ საკითხთან დაკავშირებით მოგვწერეთ ელ-ფოსტით: info@napr.gov.ge

Attachment 5: Cadastral Plan



საქართველოს იუსტიციის სამინისტრო
საჯარო რეგისტრის ეროვნული სააგენტო
საკადასტრო გეგმა

მთის ნაკვეთის საკადასტრო კოდი: 69 08 62 077
განცხადების რეგისტრაციის ნომერი: 882011174712
მთის ნაკვეთის ფართობი: 5767 კვ.მ.
ღანძნეულება: არასასოფლო-სამეურნეო





Attachment 6: Site photos



Attachment 7: Design drawings (3D visualization etc.)



<p>დაამკვეთი/EMPLOYER:</p> 	<p>მუხრულებელი/CONSULTANT</p> 	<p>პროექტის დასახელება/PROJECT NAME: Detailed Design Preparation for Reconstruction/Rehabilitation for Public schools located in Mtskheta-Mtianeti and Shida Kartli - მცხეთა-მთიანეთის და შიდა ქართლის საჯარო სკოლების რეკონსტრუქციის/რეაბილიტაციის მუშაოს დეტალური პროექტი დოკუმენტაციის მომზადება</p>	<p>ჯგუფის ხელმძღვანელი/TEAM LEADER: მარტინი ივანიშვილი მარტინი ივანიშვილი Kuratirim</p>	<p>არქიტექტორი/CHIEF ARCHITECT: იმერ ჭყელიძე/Imer Dali</p>	<p>სახელოსნოს დასახელება/DRAWING TITLE: ფაქტიური რენდერინგის/renders</p>
		<p>პროექტის #2 საჯარო სკოლა/KHASHURI N2 SCHOOL</p>			<p>სახელოსნოს ნომერი/DRAWING NO.: A-059</p>
					<p>სახელოსნოს ნომერი/BUILDING No.:</p>
					<p>თარიღი/DATE: 18.01.2022</p>
					<p>სკალი/SCALE:</p>
					<p>სკოდი/CODE: 0046207</p>