



Rehabilitation and Construction of Bridges in Lentekhi Municipality

Sub-Project Environmental and Social Screening And Environmental Management Plan

WORLD BANK FINANCED

SECOND REGIONAL AND MUNICIPAL INFRASTRUCTURE DEVELOPMENT PROJECT

Environmental Screening

The sub-project (SP) site is located in north Georgia, Lentekhi municipality of Racha-Lechkhumi and Kvemo Svaneti region, at 350 km distance from Tbilisi.

The SP envisages:

1. Construction of the road bridge (24 m) on the river Mukhra in the Village Tvibi;
2. Arrangement of the road bridge (12 m) over the gorge on the earth road existing from the village Mami in the direction of Ediki;
3. Construction of the road bridge (24 m) over the river Chvelpi spring in the village Chvelpi;
4. Rehabilitation of the road bridge existing over the river Chonshura in the village Durashi;
5. Improvement of streets in the village Lentekhi;
6. Arrangement/rehabilitation of retaining walls on internal roads of the village Kheledi.

The following works will be implemented under the SP:

1. **Construction of the road bridge on the river Mukhra in the Village Tvibi - SP** envisages construction of the individual metal single span 24 meter length and 4,5 meter width road bridge. Riverbed width at the bridge crossing is 26-28 meters. Benchmark of bridge carriageway is – 1.015,60 m, lower benchmark of bridge span is – 1.014,56 m, and benchmark for maximal water level (with hundred-year repeatability) – 1.013,50 m. Bridge abutments are placed at the edge of the riverbed. Earth accesses are arranged on both sides of the bridge. Stone gabions are arranged for protection of both abutments from water. Floor of bridge is arranged with concrete slabs and asphalt. Bridge construction does not require temporary diversion of the river.
2. **Arrangement of the road bridge from the village Mami in the direction of Ediki and rehabilitation of the motor road - SP** envisages arrangement of the metal bridge (12 m, clearance 3,5 m) over the gorge, in the beginning of the existing earth road. Benchmark of bridge carriageway is – 1.057,72 m, and benchmark for maximal water level (with hundred years' repeatability) – 1.054,82 m. Abutments will be arranged on the spring slopes. Floor of bridge will be arranged with concrete slabs and asphalt surface. Bridge construction does not require spring diversion.
3. **Arrangement of the road bridge in the village Chvelpi - SP** envisages construction of the individual metal single span 24 meter length road bridge over the Chvelpi spring. **Gorge's** width at the bridge crossing is 24 m. Bottomland width is 32-34 m. Benchmark of bridge carriageway is – 1.151,98 m, and benchmark for maximal water level (with hundred year repeatability) – 1.149,58 m. The bridge axis is selected in the best way to provide for connection with roads existing on both sides of the gorge. Abutments are placed at the edge of the riverbed. Earth accesses are arranged on both sides of the bridge. Stone gabions are arranged for protection of both abutments from water. Floor of bridge is

arranged with concrete slabs and asphalt. Bridge construction does not require temporary diversion of the spring.

4. **Rehabilitation of the road bridge existing in the village Durashi** - SP envisages rehabilitation of the currently existing bridge crossing over the river Chonshura. Length of the existing bridge is 20.5 m, clearance - 4.0 m. The planned works provide for arrangement of concrete lining for the existing abutments and replacement of the floor with r/c slabs. Floor of bridge and railings will be dismantled and metal railings and guard timbers will be installed, which will be painted with enamel paint.

5. Improvement of streets in the village Lentekhi

This component of SP envisages:

- Improvement of the territory around the mineral spring located is located 500 m away from daba Lentekhi, along to rv. Laksadura. The territory is named as ``Mzhave Tskali`` and represents public place for local population and tourists. The territory is registered as state property with the area 3,462 m². The SP envisages rehabilitation of the stone wall on the top of mineral spring, arrangement of benches and toilet (latrine), leveling of the area. The latrine will be supplied with water through the water supply system located at 100 meter distance. The latrine periodically will be cleaned by sanitation machine. Maintenance costs will be covered by the administration (Gamageoba) of Municipality (see attached letter).
- Rehabilitation of the central concrete drainage canal (cleaning, rehabilitation of depreciated sections with concrete, arrangement of lattices) existing from the Lentekhi Municipality Gamageoba building to the Tskhenistskali riverside;
- Arrangement of the decorative fencing in front of and at the flanks of the church (L-60 m, on the concrete base);
- Arrangement of decorative fencing (L-50+70+80 m), sidewalks (12X3.0=42.0 m²) and speed bumps on Tamar Mepe Avenue;
- Arrangement of the drainage canal on Gogebashvili street (L-18 m);
- Arrangement of the concrete retaining wall on Khergiani street (L-12 m h-2 m);
- On Zeda Legsuri street, filling concrete sleepers with sand and arrangement of fill-up road shoulders;
- Installation of 3 video control systems in the central street of the village.

6. Rehabilitation of lower and upper retaining walls of internal roads in the village Kheledi -

This component of the SP envisages heightening of the lowered road section by the school building in Kheledi and arrangement of the retaining wall for preventing the school yard flooding, as well as arrangement of concrete retaining walls with a wire-grid on their tops on the village's internal roads (concrete wall height - 1-2 m, total length - 507 m.) replacing the existing stone concrete or wooden fences along the private yards, which will be dismantled.

(A) IMPACT IDENTIFICATION

<p>Has sub-project a tangible impact on the environment?</p>	<p>The SP has a modest negative environmental impact and is expected to have tangible long term positive impact on the social environment.</p>
<p>What are the significant beneficial and adverse environmental effects of sub-project?</p>	<p>The following adverse impacts on natural environment are anticipated at the construction phase: damage to vegetation and soil; dust and noise generated by construction works and machinery; water pollution with construction and domestic waste and run-off from construction sites; environmental pollution with generated construction and domestic waste. The SP envisages construction of 3 new bridges and rehabilitation of the old one, therefore in the process of construction works' performance there is a risk of surface water pollution. Deterioration of the quality of surface waters may be caused by improper management of waste and accidental spills of fuel/oils. During construction works near the riverbed, there may an increase of water turbidity. Increased level of risks to the employees' health and safety is due to the fact that works will be performed in the area with complex relief and climatic conditions. Rivers, where the named bridges are to be constructed are characterized by torrents, formation of torrents is always expected during downpours.</p> <p>This potential adverse impact may be mitigated to negligible extent or partially prevented, if appropriate mitigation and management measures are in place.</p> <p>Construction of the new bridges will not modify considerably or cause tangible visual changes to the existing landscape. There are no historical-cultural monuments registered in the SP adjacent areas.</p> <p>On the other hand, the SP will have positive impact on the natural environmental through reduction of the levels of dust, noise and emissions.</p>
<p>May the sub-project have any significant impact on the local communities and other affected people?</p>	<p>The SP will have a long-term positive social impact through improving living and transportation conditions of the local population. It will decrease existing negative impacts on community such as dust, emissions, vibration, and noise.</p> <p>SP implementation will increase the safety level of the local population and visitors' conveyance, which is especially important given the complex relief, climate and high risk associated with natural calamities. Presently, due to the lack or poor quality of bridges, transportation is considerably</p>

	<p>complicated and frequently impracticable, particularly in bad weather conditions.</p> <p>Arrangement of retaining walls in Kheledi will decrease the risk of flooding the public school and private yards. Improvement of streets in Lentekhi will increase its touristic attraction.</p> <p>The SP will generate short-term employment opportunities for the local population.</p> <p>No land take and physical relocation are expected.</p> <p>Negative impacts are short term and limited to the construction site. They are related to the possible disturbance of neighboring residents and environment due to the rehabilitation works. In particular, SP envisages replacing of the existing stone concrete or wooden fences along the seven private yards. The private owners has submitted their written agreement regarding the rehabilitation works in their private property.</p>
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(B) MITIGATION MEASURES

<p>Were there any alternatives to the sub-project design considered?</p>	<p>The new bridge crossings’ axis are selected in the best way to provide for connection with roads existing on both sides of the gorge. The outcomes of engineering-geological and hydrological surveys were taken into consideration in the process of designing bridge crossings. Stone gabions are arranged for protection of both abutments from water. Bridge height was selected keeping in mind hydrological conditions.</p>
<p>What types of mitigation measures are proposed?</p>	<p>Mitigation measures selected for the SP will contribute to prevention or minimization of potential impact.</p> <p>The contractor will be responsible for the waste disposal at the permitted location, use the quarry materials from the licensed quarries only, prevent water and soil from pollution (fuel spills due to equipment failure, raw asphalt/concrete spills etc.), avoid disturbance of population (noise, dust, emissions) through proper work/supplies scheduling, traffic management, good maintenance of the construction machinery.</p> <p>During construction works, soil removal will be required only for arrangement of the building yard for construction of road bridges in the villages Tvibi and Chvelpi. In the area of the</p>

building site, the soil layer will be removed and stored according to the requirements specified in the Environmental Management Plan. Upon completion of construction works, the building camp will be dismantled and the area will be harmonized with the natural environment.

Since the bridge rehabilitation works will take place on difficult geographical terrain, contractor will be instructed to take sufficient measures for insuring workers safety during the construction process. In Particular: For conducting bridge construction and rehabilitation works, a period will be selected, which is not characterized by high risk of torrents and mudflows. Location of machinery, vehicles and construction base in the vicinity of riverbeds will be prohibited. Only the persons, which are appropriately instructed on labor safety and environmental issues will have access to the site. The personnel will be equipped with PPI. A constant communication with respective entities will be in place in order to be alerted in timely manner regarding possible worsening of weather conditions.

Special attention should be paid to carrying out such mitigation/preventive measures against river water pollution as restriction of disposal of any types of waste in the riverbeds, regular checking of machinery and vehicles for avoiding spillage of fuel and lubricants. Maintenance, repair, washing and degreasing of vehicles should be allowed only in specially designated areas with appropriate covering and nozzles. The storage of potentially polluting materials, refueling and maintenance of mobile plant within 50m of all riverbeds should be prohibited.

Construction works should be conducted in dry weather for preventing run-off.

All laborers should be strictly instructed against extraction of plant materials, waste disposal and such other actions, which may cause damage to the surrounding landscape.

Contractor will be required to take due measures to ensure safety of children and teachers during the rehabilitation process and ensure that rehabilitation works will not affect school operations in Kheledi. For this purpose, construction site should be fenced and warning signs placed to avoid children's access to the site.

Besides, the Contractor will be required to carry out all the works in a safe and disciplined manner designed to minimize

	impacts on neighboring residents (Kheledi villagers) and environment. Incurred losses will be fully compensated.
What lessons from the previous similar projects have been incorporated into the sub-project design?	MDF has wide experience of implementation of medium and large scale road and streets rehabilitation SPs financed by various donor organizations. Based on lessons learned from previous similar projects, design incorporates outcomes of geological and hydrological surveys. Bridges were designed considering maximum discharge rate and geological conditions.
Have concerned communities been involved and have their interests and knowledge been adequately taken into consideration in sub-project preparation?	The SP was developed as per requirement of the municipality and according to the TOR prepared by the MDF. The sites to be subjected to construction or rehabilitation under the SP were selected together with the representatives of Lentekhi Municipality. Consultation meeting was held on 9 February 2016. Documents on public consultations are attached.

(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 sub-project site available and verifiable? (The screening cannot be completed until this is available)	✓	
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?		✓
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?		✓
4	Will the sub-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.)?	✓	
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			

Existing stone-concrete or wooden fences along the private courtyards will be dismantling and new concrete retaining walls will be arranged within the SP. Replacement of the existing fences by concrete retaining walls is agreed with all owners in written.

PART A: GENERAL PROJECT AND SITE INFORMATION

INSTITUTIONAL & ADMINISTRATIVE	
Country	Georgia
Project title	Regional and Municipal Infrastructure Development 2
Sub-Project title	Rehabilitation and Construction of Bridges in Lentekhi Municipality
Scope of site-specific activity	<p>The SP envisages:</p> <ol style="list-style-type: none"> 1. Construction of the road bridge (24 m) on the river Mukhra in the Village Tvibi; 2. Arrangement of the road bridge (12 m) over the gorge on the earth road existing from the village Mami in the direction of Ediki; 3. Construction of the road bridge (24 m) over the river Chvelpi spring in the village Chvelpi; 4. Rehabilitation of the road bridge existing over the river Chonshura in the village Durashi; 5. Improvement of streets in the village Lentekhi; 6. Arrangement/rehabilitation of retaining walls on internal roads of the village Kheledi. <p>The following works will be implemented under the SP:</p> <p>Construction of the road bridge on the river Mukhra in the Village Tvibi - SP envisages construction of the individual metal single span 24 meter length and 4,5 meter width road bridge. Riverbed width at the bridge crossing is 26-28 meters. Benchmark of bridge carriageway is – 1.015,60 m, lower benchmark of bridge span is – 1.014,56 m, and benchmark for maximal water level (with hundred year’s repeatability) – 1.013,50 m. Bridge abutments are placed at the edge of the riverbed. Earth accesses are arranged on both sides of the bridge. Stone gabions are arranged for protection of both abutments from water. Floor of bridge is arranged with concrete slabs and asphalt. Bridge construction does not require temporary diversion of the river. The bridge existing on river Mukhra will be used as a temporary structure for construction of the new bridge. The bridge will not be demolished. Movement of transport will be prohibited on the old bridge after completion of new bridge construction.</p> <p>Arrangement of the road bridge from the village Mami in the direction of Ediki and rehabilitation of the motor road - SP envisages arrangement of the metal bridge (12 m, clearance 3,5 m) over the gorge, in the beginning of the existing earth road. Benchmark of bridge</p>

carriageway is 1.057,72 m, and a benchmark for maximal water level (with hundred years repeatability) – 1.054,82 m. Abutments will be arranged on the spring slopes. Floor of bridge will be arranged with concrete slabs and asphalt surface. Bridge construction does not require spring diversion.

Arrangement of the road bridge in the village Chvelpi - SP envisages construction of the individual metal single span 24 meter length road bridge over the Chvelpi spring. **Gorge's** width at the bridge crossing is 24 m. Bottomland width is 32-34 m. Benchmark of bridge carriageway is 1.151,98 m, and a benchmark for maximal water level (with hundred years repeatability) – 1.149,58 m. The bridge axis is selected in the best way to provide for connection with roads existing on both sides of the gorge. Abutments are placed at the edge of the riverbed. Earth accesses are arranged on both sides of the bridge. Stone gabions are arranged for protection of both abutments from water. Floor of bridge is arranged with concrete slabs and asphalt. Bridge construction does not require temporary diversion of the spring.

Rehabilitation of the road bridge existing in the village Durashi - SP envisages rehabilitation of the currently existing bridge crossing over the river Chonshura. Length of the existing bridge is 20.5 m, clearance - 4.0 m. The planned works provide for arrangement of concrete lining for the existing abutments and replacement of the floor with r/c slabs. Floor of bridge and railings will be dismantled and metal railings and guard timbers will be installed, which will be painted with enamel paint.

Improvement of streets in the village Lentekhi

This component of SP envisages:

- Improvement of the territory around the mineral spring located is located 500 m away from daba Lentekhi, along to rv. Laksadura. The territory is named as ``Mzhave Tskali`` and represents public place for local population and tourists. The territory is registered as state property with the area 3462 m². The SP envisages rehabilitation of the stone wall on the top of mineral spring, arrangement of benches and toilet (latrine), leveling of the area. The latrine will be supplied with water through the water supply system located at 100 meter distance. The latrine periodically will be cleaned by sanitation machine. Maintenance costs will be covered by the administration (Gamageoba) of Municipality (see attached letter).

	<ul style="list-style-type: none"> - Rehabilitation of the central concrete drainage canal (cleaning, rehabilitation of depreciated sections with concrete, arrangement of lattices) existing from the Lentekhi Municipality Gamgeoba building to the Tskhenistskali riverside; - Arrangement of the decorative fencing in front of and at the flanks of the church (L-60 m, on the concrete base); - Arrangement of decorative fencing (L-50+70+80 m), sidewalks (12X3.0=42.0 m²) and speed bumps on Tamar Mepe Avenue; - Arrangement of the drainage canal on Gogebashvili street (L-18 m); - Arrangement of the concrete retaining wall on Khergiani street (L-12 m h-2 m); - On Zeda Legsuri street, filling concrete sleepers with sand and arrangement of fill-up road shoulders; - Installation of 3 video control systems in the central street of the village. <p>Rehabilitation of lower and upper retaining walls of internal roads in the village Kheledi - This component of the SP envisages heightening of the lowered road section by the school building in Kheledi and arrangement of the retaining wall for preventing the school yard flooding, as well as arrangement of the concrete retaining walls with wire meshes on their tops on the village's internal roads (concrete wall height - 1-2 m, total length - 507 m.). Works include dismantling of the existing stone concrete or wooden enclosures.</p>		
Institutional arrangements (WB)	Task Team Leader: Xiaolan Wang		Safeguards Specialist: Darejan Kapanadze
Implementation arrangements (Borrower)	Implementing entity: Municipal Development Fund of Georgia	Works supervisor: Consulting company Eptisa Servicios de Ingenieria S.L. Spain	Works contractor: LTD ``Avtogza lentekhi 99``
SITE DESCRIPTION			
Name of institution whose premises are to be rehabilitated	Lentekhi Municipality		
Address and site location of institution whose premises are to be rehabilitated	24, Tamar Mepe street, Lentekhi		
Who owns the land?	Municipal property		

Who uses the land (formal/informal)?	
Description of physical and natural environment around the site	<p>Lentekhi municipality is located in West Georgia in Racha-Lechkhumi and Kvemo Svaneti. Area consists of 1344 m². Including 440 m² agricultural lands. Territory of municipality is of medium and high mountainous relief and is surrounded with Svaneti Lechkhumi and Egriri ridges. River Tskenistskali flows on municipality territory (length - 9,176 km, catchment area - 2,120 m²) and its tributaries: Kheledula, Askadula, Zeskho, Leuseri, Khopura, Mukhra, Chvepistskali and other.</p> <p>Region in characterized with humid climate, with cold winter and cool spring. Average air temperature - 7-9⁰C; annual precipitation exceeds 1000 mm. Snow layer lasts from November till April and its height varies from 1-3 meter.</p> <p>As for 2012 municipality population was 8544 persons. 90 % of population live in villages. There are 59 settlements – 1 borough and 58 village in which 7 communities are united. Main source of income are: agriculture (mainly cattle breeding, also producing corn and potato). Different profile small enterprises are in municipality.</p> <p>Village Tvibi is located 15 km distance from Lentekhi, on the right side of river Tskenistkali, 1140 m above sea level. Village population consists of 29 households (76 people). Village Tvibi is included in Cholouri community. River Mukhra which flows in village Tvibi is the right tributary of river Tskenistkali with length of 10 km. It originates from south slope of mountain Goldashi. Rock avalanches, landslide processes are developed at river heads. Mudflow is always originated during excess precipitation. Currently bridge crossing on river Mukhura with length of 15 m is arranged on metal span covered by wood layer. Piers are assembled with concrete ties. Water reaches both bridge piers during river swell. Considering hydrological calculation, arrangement of new bridge is envisaged by the SP on the upper side of existing bridge. Where new left pier will be set against old pier and right pier will be located 25 m above existing one. Dismantling of existing bridge is not envisaged.</p> <p>Village Mami Is located on right side of river Tskenistkali, 110 m above sea level, and 16 km distance from Lentekhi. 29 households (76) reside in village. Within the frame of SP bridge has to be arranged on Laula streamlet gully, which is located at the beginning of access road to village pasture and mowing. Currently gully is</p>

washed out during rainy weather and road becomes inaccessible. Laula streamlet joins river Tskhenistskali.

Village Chvelpi is located on the right side of river Tskhenistskali, 1120 m above sea level and 18 km distance from Lentekhi. 109 households (39 person) are residing in village. River Chvelpistskali is originating from south slope of central Caucasus at 2565 height. Valley of Rv. Chvelpistskali is of high erosion type, widened section are met (Rv. Chvelpistskali terraces and side tributaries detrital cone) population is residing on this area, all tributaries of Chvelpistskali streamlet are of downpour type and develop strong detrital cone. During excess precipitation formation of mudflows in Rv. Chvelpistskali is frequent. Currently no bridge is available on Rv. Chveplistsklai streamlet which make access to village Chvepli unavailable during rainy weather.

Village Durashi is located on South slope of Svaneti ridge. On left side of river Cholshura (right tributary of rv. Tskhenistskali) 14 km distance from Lemtekhi. 25 households live in village (83 persons) bridge crossing is located 1059 m above sea level. Length of river Cholshura is 13 km. which is originated from South slopes of mountain Goldashi on height of 1945 m. Territory is divided by numerous precipices. Mudflows are formatting both in stream heads and in boards of temporary active precipices as well. Landslide areas are met on the territory. Reason of landslide activation is side erosion of river Cholshura and damping of landslide slope with atmospheric precipitation and ground water. Strong colluvium diluvium material is accumulated in river Cholshura's basin. Ravine deeply cuts mentioned sediment. During strong rain landslide movement is expressed from both sides, which results in formation of small size temporary lakes. After some period these lakes break through and strong downpour flow generates. Access road up to bridge runs between forested slopes. Hornbeam and beech is dominant among forest tress, chestnut and fir-tree are met as well. Tree or branch cut is not envisaged by the SP.

Borough Lentekhi Is the administrative center of Lentekhi municipality, located on South slopes of Svaneti mountain ridge, along to river Tskhenistskali and its tributary Laskadula, 7560 m above sea level and 102 km distance from town Kutaisi. There are administrative cultural and educational institutions and small enterprises as well. 551 households (1439 person) live in borough Lentekhi. Objects to be rehabilitated (drainage channel, fences) are located in different areas of borough Lentekhi. Territory of "Mjave

	<p>Tskali” is located 500 m away from borough Lentekhi, along to rv. Laksadura and represents meeting place for population. Along a drainage channel subject to rehabilitation and the Legsuri street, administrative buildings and private houses are located. Decorative fences in front of the church on King Tamar street and at houses of IDP’s will be arranged within the framework of SP.</p> <p>Village Kheledi is located on left side of river Kheleduli (right tributary of Tskhenistskali river) 859 m above sea level, 7 km distance from borough Lentekhi. 162 households live in village (615 persons). Bearing walls will be arranged at yards under private ownership and at school as well. Currently existing rubble stone walls are amortized and yards are flooded during rain. Internal village roads will be improved due to arrangement of bearing walls.</p>
<p>Locations and distance for material sourcing, especially aggregates, water, stones?</p>	<p>Distance to the nearest licensed borrow pit from SP sites is approximately from 2 up to 5 km.</p>
<p>LEGISLATION</p>	
<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 World Bank policies and the ESMF.</p> <p>Lentekhi municipal authority approved the SP.</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 from river bed (rather than purchasing these materials from other providers), then the contractor must obtain licenses for extraction, (iii) if contractor wishes to operate own asphalt or concrete plant (rather than purchasing these materials from other providers), then the contractor must obtain an environmental permit with an established ceiling of pollutant concentrations in emissions and technical report on inventory of atmospheric air pollution stationary source agreed with Ministry of Environment and Natural Resources Protection. (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 nearest landfill.

	<p>Copies of extraction licenses of inert materials and documents on purchases of concrete are attached.</p> <p>The contractor has to submit agreements on asphalt purchase for operating asphalt/concrete plants and waste disposal permits that will be attached to this EMP.</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>Draft EMP was disclosed on the web-site of MDF. Hard copies of the document was made available at the MDF and Lentekhi municipality. Announcement on the public consultation meeting was placed on public information board in the administration building of Lentekhi municipality Governance.</p> <p>MDF and local municipality organized consultation meeting with local population to discuss draft EMP on February 9, 2016.</p>
ATTACHMENTS	
<p>Attachment 1: Site map and pictures</p> <p>Attachment 2: Cadastral Information</p> <p>Attachment 3: Letter from Municipality Administration of Lentekhi</p> <p>Attachment 4 : Record on public consultation</p> <p>Attachment 5: Agreement on waste disposal (to be provided)</p> <p>Attachment 6: License for extraction of natural construction material</p>	

PART B: SAFEGUARDS INFORMATION

ENVIRONMENTAL /SOCIAL SCREENING			
	Activity/Issue	Status	Triggered Actions
Will the site activity include/involve any of the following?	A. Building 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 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 type="checkbox"/> Yes <input checked="" 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. (g) For conducting bridge construction and rehabilitation works, a period shall be selected, which is not characterized by high risk of torrents and mudflows. (h) Location of machinery, vehicles and construction base in the vicinity of riverbeds will be prohibited. (i) Only the persons, which are appropriately instructed on labor safety and environmental issues will have access to the site. (j) A constant communication with respective entities will be in place in order to be alerted in timely manner regarding possible worsening of weather conditions. (k) Due measures must be taken to ensure safety of children and teachers during the rehabilitation works along the school yard. For this purpose, construction site should be fenced and warning signs placed to avoid children's access to the site.
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) Construction noise will be limited to restricted times agreed to in the permit (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 are 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. The material storage sites should be protected from washing out during heavy rain falls and flooding through covering by impermeable materials. Appropriate erosion and sediment control measures will be established 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;

		<p>(b) Contractor will plan all excavations, topsoil and subsoil storage so as to reduce to a minimum any runoff;</p> <p>(c) 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 minimised. 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> <p>(d) 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>(e) Wet cement and/or concrete will not be allowed to enter any watercourse, pond or ditch.</p> <p>(f) <u>Works near the watercourses.</u> Contractor shall ensure proper handling of paints materials, oil and lubricants to avoid any spillage of them into the water. Storage of potentially polluting materials within 50 m of watercourses is prohibited. Dumping of waste in the rivers/watercourses is prohibited.</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 by licensed collectors</p> <p>(d) The records of waste disposal will be maintained as proof for proper management as designed.</p> <p>(e) 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) Haul materials in off peak traffic hours;</p> <p>e) Place speed regulating, diverting, and warning signs for traffic as appropriate.</p>
	Protection of trees and landscapae along the roads	<p>a) Trees along the road must be protected from cutting or unintentional damage;</p> <p>b) Movement of vehicles will strictly limit within traffic lane; Pockets for turning of vehicles should be arranged.</p> <p>c) All workers will be strictly prohibited from, foraging, waste dump, fishing, hunting or other damaging activities to adjusted landscapes.</p>
	Protection of topsoil while arrangement of construction camps	<p>a) Topsoil should be stripped before starting of earthworks; Proper topsoil storage practice should be applied to ensure maintenance of physico-chemical and biological activity of the soil; Temporary protective silt fencing should be erected to avoid erosion (wash down); Topsoil will be stored in stockpiles, no more than 2 m high with side slopes at a maximum angle of 45°. No storage at less than 25m from river/streams, subject to the site specific topography.</p> <p>b) Stored topsoil should be used for reinstatement and landscaping.</p> <p>c) Topsoil from the sites, which will not be reinstated to the initial conditions will be distributed carefully on the surrounding area.</p>

		<p>d) 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>H Traffic and Pedestrian Safety</p>	<p>Direct or indirect hazards to public traffic and pedestrians by construction activities</p>	<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. ▪ To arrange speed bumps to reduce vehicle speed and appropriate signs (road narrows/mind pedestrians) in agreement with local traffic police.

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

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> <p>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</p> <p>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 river banks, water pollution with suspended particles and disruption of aquatic life.</p>	MDF, Construction supervisor
Generation of construction waste	<p>Temporary storage of construction waste in especially allocated areas;</p> <p>Timely disposal of waste to the formally designated locations</p>	<p>Construction site;</p> <p>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
Protection of vegetation and landscape	Large trees are protected from cutting or unintentional damage.	At construction sites	Inspection	Periodically during construction and upon complaints	Protection of adjacent landscapes and vegetation	MDF, Construction supervisor

	Protected area in the immediate vicinity of the activity is not damaged or exploited.					
Works in the waterways	Prohibition of piling or dumping of construction materials and waste at the river banks; Prohibition of dumping construction or household waste into river beds; Prohibition of construction machinery and vehicles driving through / crossing river beds	At bridges	Inspection	During works on bridges	Prevent pollution of rivers and streams	MDF, Construction supervisor
Works near children's institution	Fencing of construction site and installation of warning signs; Imposing special speed limits for construction machinery and vehicles in the vicinity of the school building	At Kheledi school building	Inspection	During construction works at Kheledi school site	Ensure safety of school children and teachers	MDF, Construction supervisor
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	Provision of uniforms and safety gear to workers; Informing of workers and personnel on the personal safety rules and instructions for operating machinery/equipment, and strict compliance with these rules/instructions	Construction site	Inspection	Unannounced inspections in the course of work	Limit occurrence of on-the-job accidents and emergencies	MDF, Construction supervisor
Completion of physical activity on the sites	Upon completion of physical activity on site, the site and contractor's camp/base is cleared of any remaining left-over from works and harmonized with surrounding landscape	Construction sites	Inspection	upon completion of civil works	Prevent pollution of the construction site and harmonize with nearby landscape	MDF, Construction supervisor
OPERATION PHASE						
Maintenance of constructed and rehabilitated bridges	Disposal of asphalt and or other waste from the repair works to the designated landfill.	Constructed and rehabilitated bridges	Inspection	During maintenance works	Prevent road accidents and disruption of traffic	Lentekhi 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	Rehabilitated sites in Lentekhi	Inspection	Throughout operation of the sites	Minimize nuisance to local residents	Lentekhi municipality
Maintenance of toilet on the ``Mzhave Tskali`` area	Proper operation of the toilet	Water course near the rehabilitated ``Mzhave Tskali`` area	Inspection	Throughout operation	Prevent pollution	Lentekhi municipality

Attachment 3: Letter from Municipality Administration of Lentekhi

<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="text-align: center;"> <p>ს ა შ ა რ თ ე ჯ ე ლ ო ლენტეხის მუნიციპალიტეტის გამგებობა</p> <p>საქართველო, 2900 ლენტეხი, თამარ მეფის ქ. 24 T-598-74-19-55 ელ-ფოსტა: Lentekhi@yahoo.com</p> </div> <div style="text-align: center;">  </div> <div style="text-align: center;"> <p>GEORGIA MUNICIPALITY ADMINISTRATION OF LENTEKHI</p> <p>#24 str.tamar mefe , 2900 Lentekhi, Georgia T-598-74-19-55 E_mail: Lentekhi@yahoo.com</p> </div> </div> <hr/> <p style="display: flex; justify-content: space-between;"> №-03-1175 " 9 " 7 2015წ </p> <p style="text-align: center;">საქართველოს მუნიციპალური განვითარების ფონდის აღმასრულებელ დირექტორს ბატონ ჯუანშერ ბურჭულაძეს</p> <p>თქვენი მწლის 5 ოქტომბრის #2448გ წერილის პასუხად გაცნობებთ, რომ ლენტეხის მუნიციპალიტეტის „მჰავე წყლის“ ტერიტორიაზე სვანური კომკი აშენებულია 2009 წელს და არ წარმოადგენს კულტურული მემკვიდრეობის ძეგლს. „მჰავე წყლის“ ტერიტორიაზე პროექტით გათვალისწინებული ტუალეტის პერიოდულად ასენიზაციას მანქანით გაწმენდის თანხებს გადაიხდის ლენტეხის მუნიციპალიტეტი.</p> <p>ამასთან ერთად გვგზავნებთ ლენტეხის მუნიციპალიტეტის სოფელ ხელუდში მცხოვრებ იმ პრთა წერილობითი თანხმობა, რომელთა კერძო საკუთრებაში არსებულ ტერიტორიაზეც გადის გზის მონაკვეთებზე მიმდინარე სამუშაოები.</p> <p>დანართი „ 10 „ ფურცლად.</p> <p>პატივისცემით, ლენტეხის მუნიციპალიტეტის გამგებელი: <i>ეს. ბაძა</i> ა.ჯამბურაძე</p> <p style="text-align: right; margin-top: 20px;">03-1175 7. 7 15წ</p>	<p style="text-align: center;">Letter from Municipality Administration of Lentekhi concerning the following issues:</p> <p>The Svanetian tower located nearby spring “Mzhave Tskali” in Lentekhi municipality was built in 2009 and does not belong to cultural heritage.</p> <p>Lentekhi municipality will cover the Maintenance costs latrine sanitation.</p> <p>Written agreement regarding the rehabilitation works in their private property was submitted by the seven residents of village Kheledi:</p> <p>Valeri Bendeliani (ID 27001002693), Madona Chankseliani (ID 27001003064), Nodar Bendeliani (ID 27001001123), Maro Chankseliani (ID 27001004128), Seriozja Bendeliani (ID 27001002546), Tsiala Gazdeliani (ID 27001003831), Evtikhi Bendeliani (ID 01008007643).</p>
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Attachment 4: Record on public consultation

February 11, 2015

Lentekhi Municipality, Georgia

Minutes

Rehabilitation and Construction of Bridges in Lentekhi Municipality

Public Consultation on Draft Environmental Management Plan

In order to discuss draft Environmental Management Plan prepared for the sub-project “Rehabilitation and Construction of Bridges in Lentekhi Municipality a public consultation meeting was held in the building of Lentekhi Municipality Administration On February 9, 2015.

The meeting aimed at keeping local population abreast of sub-project related planned activities, the expected negative impacts on the natural and social environment and the ways and means of preventing them.

Those present at the meeting:

Governor of Lentekhi Municipality: Amiran Chumburidze

Representatives of communities of Lentekhi, Administration of Lentekhi Municipality (Gangeoba) and Lentekhi City Assembly : Gabo Babluani, Avtandil Oniani, Bendeliani Lasha, Gugava Anna, Chankseliani takhuthat Kardava Gocha, Chankseliani Levan, Soso Museliani Bachuki Gazdeliani, Levan Liparteliani, Marekhi Apakidze, Besik Mukbaniani, Gugava Nato, Grigol Liparteliani, Soso Mukbaniani.

Representatives of the Municipal Development Fund of Georgia:

Ana Rukhadze - Environmental Safety Specialist

Niniko Isakadze- Environmental Safety Specialist

Amiran Chumburidze, Governor of Lentekhi Municipality, opened the meeting and informed the attendees about purpose of the meeting and the planned works envisaged under the SP. The presented SP is considered as priority by local population and was discussed with attorneys of the communities. The SP is co-financed (15%) by Lentekhi Municipality.

In the process of the meeting, Niniko Isakadze conducted presentation about Social and Environmental Management Plan prepared for the sub-project. She shortly explained to the public about the social and environmental screening procedures applied for the WB and environmental and social requirements of the presented SP. There were discussed also the mitigation measures in order to minimize the potential negative impacts which may arise during the SP implementation process. N. Isakadze mentioned that the SP does not require any kind of permits and agreements with the Ministry of Environment and Natural Resources protection and/or obtaining of Environmental Impact Permit according to the Georgian law on Environmental Impact Permit. Due to the above-mentioned fact and to ensure environmental and social safety of the SP, MDF is responsible for implementation of all environmental and social procedures in accordance with the WB safeguard policies.

N. Isakadze discussed the structure and content of Social and Environmental Management Plan. She noted that EMP forms an integral part of the contract made with the civil works contractor. The last one is obliged thoroughly implementation of the responsible parties for the environmental supervision and reporting procedures during the sub-project implementation. She also discussed the environmental monitoring criteria, responsible parties for the environmental supervision and reporting procedures during the sub-project implementation.

N. Isakadze informed the participants about the contact persons for communication, in case of existence of any complaints concerning environmental or social issues.

After the presentation, the audience was given a possibility to express their opinions and/or participate in Q&A session concerning presented issues, they posed the following question:

Questions and remarks	Answers and Comments
For the purpose of obtaining funding when is the submission of new projects possible?	The period for submission of new projects in MDF is not limited. Administration of Municipality (Gangeoba) can submit projects that meet the objectives and the scope of activities of MDF.

<p>How can Municipality obtain new funding for rehabilitation of cultural heritage monuments?</p>	<p>MDF has practice of the rehabilitation of such kind projects. For obtaining funding, there is necessity of no objection from national agency for cultural heritage preservation of Georgia and at the same time the project should be prepared by qualified specialist. However, RMIDP2 does not envisage implementation of such kind project, while RDP is not carried out in the regions of Racha-Lechkhumi and Kvemo Svaneti</p>
<p>One component of the SP is arrangement of the road bridge (width 3.5 m) over the gorge on the earth road existing from the village Mami in the direction of Ediki. But the dimension of the bridge will delay movement of heavy machinery. Due to that fact, is it possible to make changes in the project design in order to expand the width of the mentioned bridge.</p>	<p>Due to the need, the correction of the project design is possible. The issue should be considered by MDF, supervision company and will be agreed to the WB. But it should be noted that adjacent to the bridge there is alternative road that will continue operating after the completion of the construction works of the project and heavy machineries will be able to move without interruption.</p>

At the end of the meeting the audience expressed their positive attitude towards the project and their hope that construction works of this sub project will be implemented on time.

Photo materials and copy of meeting participants' registration list are hereby enclosed.

Minutes was prepared by Niniko Isakadze

February 11, 2016

Photo Materials:










List of Participants:


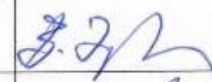




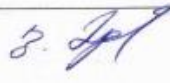
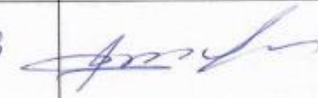

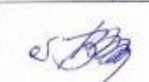
რეგიონული და მუნიციპალური ინფრასტრუქტურის განვითარების მეორე პროექტი
 ლენტეხის მუნიციპალიტეტში ხიდების რეაბილიტაცია და მშენებლობა
 ქვე-პროექტების

გარემოს დაცვის მართვის გეგმების საჯარო განხილვა

9 თებერვალი 2016 წელი

შეხვედრაზე დამსწრეთა რეგისტრაციის ფურცელი

	სახელი, გვარი	ორგანიზაცია	საკონტაქტო ინფორმაცია	ხელმოწერა
1.	მ.ნ.მ. ხაჩიკიანი	ვახეშვილ. მოადგილე	595 08 51 01	
2.	ივანოვი თინათინ	ვაკეშვილ მ.ს.ს.ს.ს. ფიზიკური კულტურის სპორტის განყოფილება	599 85 26 90	
3.	ჭენიჭიანი ვაჟა	ინფრასტრუქტურის განვითარების ევლ	595 08 52 29	
4.	გუგუშვილი თეა	ს.მ. თრიალეთის მარცხენა ნაპირის მ.ს.ს.ს.ს.	591 81-23-61	
5.	ხაჩიკიანი ნახე	მ.ს.ს.ს.ს.ს.ს.ს.ს.ს. მ.ს.ს.ს.ს.ს.ს.ს.ს.ს.	599-85-27-02	
6.	ქიქვაძე გიორგი	ვახეშვილ მ.ს.ს.ს.ს. სპორტის განყოფილება	595 50 90 25	
7.	ხაჩიკიანი სევან	ვახეშვილ მ.ს.ს.ს.ს. სპორტის განყოფილება	595 37 11 08	

8.	Խոնար Գրիգորյան	Խոնար Գրիգորյան 350 Գրիգորյան փող., Նուբարյան 7 փող. Կոտայքի մարզ.	595 085 234	
9.	Յուրայ Գրիգորյան	Երևան, Նուբարյան փող. 10	595 221 615	
10.	Վահագն Գրիգորյան	Վահագն Գրիգորյան	577 381 090	
11.	Ստեփան Գրիգորյան	Ստեփան Գրիգորյան 10 Լևոն Գրիգորյան փող. Կոտայքի մարզ.	595-08-52-00	
12.	Յուրայ Գրիգորյան	Յուրայ Գրիգորյան Կոտայքի մարզ.	599 11 86 10	
13.	Նուբարյան Գրիգորյան	Նուբարյան Գրիգորյան 10 Լևոն Գրիգորյան փող. Կոտայքի մարզ.	595 85-27-52	
14.	Յուրայ Գրիգորյան	Յուրայ Գրիգորյան Կոտայքի մարզ.	591 81-22-01	
15.	Վահագն Գրիգորյան	Վահագն Գրիգորյան Կոտայքի մարզ.	599-85-27-09	
16.	Խոնար Գրիգորյան	Խոնար Գրիգորյան Կոտայքի մարզ.	599 9 77 451	
17.	Վահագն Գրիգորյան	Վահագն Գրիգորյան	595 085 205	
18.				

Attachment 5: Agreement on waste disposal (to be provided)

Attachment 6: License for the extraction of natural construction material

	<p style="text-align: center;">Georgia</p> <p style="text-align: center;">Ministry of Environment and Natural Resources Protection of Georgia</p> <p style="text-align: center;">LEPL National Environmental Agency Mineral extraction license</p> <p style="text-align: center;">N102384</p> <p style="text-align: center;">2015 March 25</p> <p><u>License Holder:</u> LLC “avtozalentekhi”</p> <p><u>Legal basis:</u> N374 Order of March 25, 2015 of LEPL National Environmental Agency Head</p> <p><u>The licensed area:</u> Lentekhi Municipality, nearby village Leuseri, sand-gravel quarry of river Tskhenistskali</p> <p>The license is valid for four years until from 02.09.2014 until 03.09.2018</p>
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მასპინძელი ორგანიზაციის სახელი და მის მისამართი:

„საქართველოს მშენებლობის კაპიტალიზაცია“ - 29-700, თბილისი, მშენებლის ქ.

სალოცებელი პირის სახელი:

ანსტაზიანი სსიპ-ის დირექტორი, პროფესორი სანაძე ნინო, თბილისი, 2014 წლის 02 სექტემბერი, №735 და 2015 წლის 25 მაისი, №3744, სტამბენაძის ქ.

ლოცების მიმართებად გადასაცემი თანხის რაოდენობა: — 4 — წელი, 02.09.2014 დას 03.09.2018-მდე

სხია „გარემოს ეკოლოგიის სააგენტოს“
უფლებამოსილი წარმომადგენელი


(სტამბა)

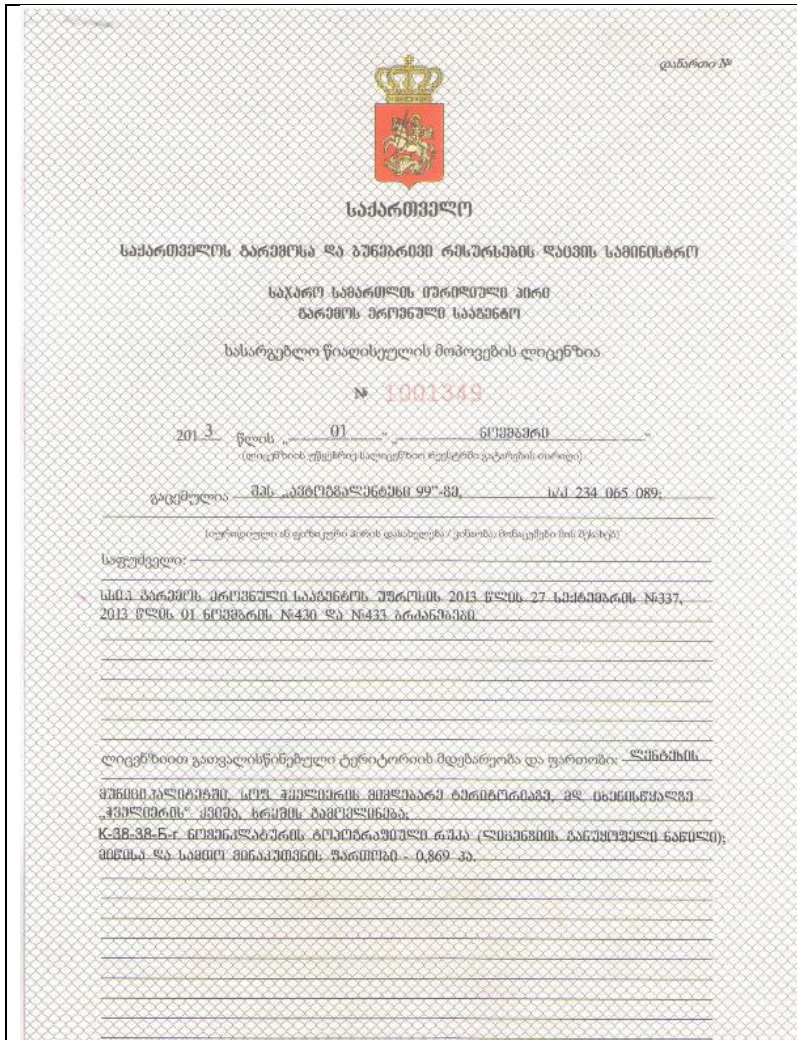


დამკვეთი: სხია „გარემოს ეკოლოგიის სააგენტო“
დამაშვებელი: შპს „აგროს“
სსიპ-ის მისამართი: №23-4000

გაგეგმი ოციენტის პირობებს და
ვიღებ პასუხისმგებლობას მათ
შესრულებაზე


(სტამბა)





Georgia

Ministry of Environment and
Natural Resources Protection of Georgia

LEPL National Environmental Agency
Mineral extraction license

N102384

2013 November 01

License Holder: LLC "avtogzalentekhi"

Legal basis: N337 Order of November 01, 2013 of LEPL National Environmental Agency Head

The licensed area: Lentekhi Municipality, nearby village Chvelieri, sand-gravel quarry of river Tskhenistskali

The license is valid for five years until from 27.09.2013 until 28.09.2018

მოსაპოვებელი რუსულის სახეობა და მოცულობა: _____

„499ლიტრის“ კმპპა, ზრდის ჯანური მონაცემა - 26.070 კგ/წლი (წელიწადში არაუმეტეს - 5.214 კგ/წლი მერტი)

საღიგეწიო პირობები:

განსაზმარშია (ს.ს.პ. ზარმელ, ტრადიციული სააგენტი, უზრისი, 2013 წლის 27 სექტემბრის №337 პრეკანაიმი)

ღიგეწიის მოქმედების ვადა: 5 წელი, 27.09.2013 დას 28.09.2018 მდე

სხიპა „გარემის ეროვნული სააგენტოს“
უჭლებამისილი წარმომადგენელი



გაღვიგანა ღიგეწიის პირობებს და
ვიღებ პასუხისმგებლობას წათ
მერჯულებასზე



სამკვეთი სხიპა გარემის ეროვნული სააგენტო
დასაზღვრული: 330 „კოფის“
სტრ.ა რუსთაველის 1923-4000