# Gurjaani streets (Gurjaani Municipality) Rehabilitation Sub-Project

# Environmental and Social Screening and Environmental Management Plan

**WORLD BANK FINANCED**
**SECOND REGIONAL AND MUNICIPAL INFRASTRUCTURE DEVELOPMENT PROJECT**

**Tbilisi, Georgia**

# Environmental Screening

Rehabilitation of the Baratashvili, Chavchavadze and Besiki streets in the town Gurjaani is planned within SP. Total length of the streets to be rehabilitated under this project is about 2.278 km.

The SP includes:

- Rehabilitation of the streets cover, arrangements of the sidewalks (2925m$^2$, total length 2.2 km), curbs (3859 m). Rehabilitation of the damaged bridge parapets over Akhtalistskali gorge on the Baratashvili Street;
- Rehabilitation of the underground passage on the Chavchavadze street;
- Cleaning of the existing storm water open channels along the Besiki Street (800 m);
- Installation of the sewerage network on Besiki Street (883 m) including manholes (32 unit).

**(A) IMPACT IDENTIFICATION**

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| Has sub-project a tangible impact on the environment? | The project has a modest short term negative environmental impact while its long term impact is expected to be positive.<br><br>The main impact will be during the construction phase, which includes works for laying various layers, movement and operation of heavy vehicles, supply of materials. The project is located in urban area with strongly modified environment. Therefore the impact is transitory and insignificant (noise, emissions, construction waste, temporary disturbance of traffic and access, etc.). |
| What are the significant beneficial and adverse environmental effects of sub-project? | The subproject has a long term positive impact on the environment 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.<br><br>The expected negative environmental and social impacts are likely to be short term and typical for small to medium scale rehabilitation works in urban landscape: noise, dust, vibration, and emissions from the operation of construction machinery; generation of construction waste; disruption of traffic and pedestrian access.<br><br>There is no central collector of the storm waters in Gurjaani. To minimize road crossing ponding and flooding risk, works for cleaning of existing storm waters channels along the Besiki street is planned within the SP to evacuate storm waters to the end of the street. At the end of Besiki Street, a concrete catchment with grates and an earth roadside ditch with the |

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| | length of 400 m will be installed, from where the storm water will be finally discharged to the neighboring gorge.<br><br>Storm water infrastructure will not be installed on the Baratashvili and Chavchavadze streets. From Baratashvili street storm waters flows by gravity to the Akhtalistskali gorge. Storm water from the Chavchavadze street flows by gravity to the end of the street and finally will be discharged into the Vedzirula ravine located 20-30 m distance from the end of the Chavchavadze street.<br><br>Sewage network to be installed on the Besiki street will serve local residents along the street, approximately 70 families. Sewage networks will be connected to the existing municipal sewage system. The long term impact of the improved sanitation will be reduction of water-born diseases, which will be beneficial for the residents and guest of Gurjaani.<br><br>Expanding coverage of sewage collection network will contribute to a medium to long term goal of discontinuing discharge of untreated sewage, because by the time of installing a sewage treatment facility at an outlet point, a greater portion of municipal sewage would be pooling into the main collector. |
| May the sub-project have any significant impact on the local communities and other affected people? | No new land take and resettlement are expected.<br><br>The long term positive social impact will be beneficial (improvement of local population living conditions, better traffic safety conditions, improved convenience of travelling, and growth of tourist flow).<br><br>Negative impacts are short term and limited to the construction site. They are related to the possible disturbance described above. |

**(B) MITIGATION MEASURES**

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| Were there any alternatives to the sub-project design considered? | Given that the subproject envisages rehabilitation of the existing infrastructure, no alternatives have been considered. |
| What types of mitigation measures are proposed? | The expected negative impacts of the construction phase can be easily mitigated. 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 |

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| | asphalt/concrete spills etc.), avoid disturbance of population (noise, dust, emissions) through proper work/supplies scheduling, traffic management, good maintenance of the construction machinery, etc. |
| What lessons from the previous similar projects have been incorporated into the sub-project design? | MDF have wide experience of implementation of medium and large scale road and streets rehabilitation subprojects financed by various donor organizations. Based on lessons learned from previous similar projects, design envisages not only rehabilitation of road pavement but also rehabilitation of storm water drainage network, sidewalks, curbs and pedestrian passes which will increase traffic and pedestrians' safety and backing further maintenance of the street cover. |
| Have concerned communities been involved and have their interests and knowledge been adequately taken into consideration in sub-project preparation? | The Project has been developed by the Municipality in consultation with the affected communities and as a response to the current situation.<br><br>Small vendors along the street, as well as local population are informed about scheduled rehabilitation works and have no claim on related disturbances.<br><br>Draft EMP was disclosed on the web-site of MDF. Hard copies of the document was made available at the MDF and Dedoplistskaro municipality. Announcement on the public consultation meeting was placed on public information board in the administration building of Dedoplistskaro municipality Governance.<br><br>MDF and local municipality organized consultation meeting with local population on the 10th of October 2014, in the office of Dedoplistskaro. |

**(C) RANKING**

The project 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<br>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** | | | |

**PART A: GENERAL PROJECT AND SITE INFORMATION**

<table>
<tr><th colspan="4">INSTITUTIONAL & ADMINISTRATIVE</th></tr>
<tr><td>Country</td><td colspan="3">Georgia</td></tr>
<tr><td>Project title</td><td colspan="3">Regional and Municipal Infrastructure Development II</td></tr>
<tr><td>Subproject title</td><td colspan="3">Gurjaani streets rehabilitation</td></tr>
<tr><td>Scope of site-specific activity</td><td colspan="3">Rehabilitation of the Baratashvili, Chavchavadze and Besiki streets in the town Gurjaani is planned within SP. The SP includes:<br>- Rehabilitation of the streets cover, arrangements of the sidewalks (2925m$^2$, total length 2.2 km), curbs (3859 m). Total length of the streets to be rehabilitated under this project is about 2.278 km;<br>- Rehabilitation of the damaged bridge parapets over Akhtalistskali gorge on the Baratashvili Street;<br>- Rehabilitation of the underground passage on the Chavchavadze street;<br>- Cleaning of the existing storm water open channels along the Besiki Street (800 m);<br>- Installation of the sewerage network on Besiki street (883 m), including manholes (32 units).</td></tr>
<tr><td>Institutional arrangements (WB)</td><td colspan="2">Task Team Leader:<br>Xiaolan Wang</td><td>Safeguards Specialist:<br>Darejan Kapanadze</td></tr>
<tr><td>Implementation arrangements (Borrower)</td><td>Implementing entity:<br>Municipal Development Fund of Georgia</td><td>Works supervisor:<br>Eptisa Servicios de Ingenieria S.L.<br>Spain</td><td>Works contractor:<br>LTD ,,Kavkasavtomagistrali”<br>LTD ,,A and Z Lojistiki”</td></tr>
<tr><th colspan="4">SITE DESCRIPTION</th></tr>
<tr><td>Name of institution whose premises are to be rehabilitated</td><td colspan="3">Gurjaani Municipality</td></tr>
<tr><td>Address and site location of institution whose premises are to be rehabilitated</td><td colspan="3">13, Noneshvili street, Gurjaani<br>Tel: +(995 353) 22 00 06<br>E-mail: gurjaan_raioni@mail.ru<br><br>The SP site is located in Eastern Georgia, Kakheti Region, in town Gurjaani. Distance from Tbilisi is 110 km.</td></tr>
<tr><td>Who owns the land? Who uses the land (formal/informal)?</td><td colspan="3">Municipal property</td></tr>
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| Description of physical and natural environment around the site | Gurjaani is a town in Georgia, located in the region of Kakheti and serving as the centre of the Gurjaani district. Gurjaani is situated in the Alazani Valley, 415 m above sea level, and 110 km east of the nation's capital Tbilisi. As of the 2002 census, its population was approximately 10,000.<br><br>The streets to be rehabilitated are located in the urban area. The streets are bordering to the private houses from both sites. Warehouses are functioning on the Chavchavadze street. There are no public or cultural/ religious buildings along the streets.<br><br>There is no central collector of the storm waters in Gurjaani. To minimize road crossing ponding and flooding risk, works for cleaning of existing storm waters channels on the Besiki street is planned within the SP to evacuate storm waters to the end of the street. At the end of Besiki Street, a concrete catchment with grates and an earth roadside ditch with the length of 400 m will be installed, from where the storm water will be finally discharged to the neighboring gorge.<br><br>Storm water infrastructure will not be installed on the Baratashvili and Chavchavadze streets. From Baratashvili street storm waters flows by gravity to the Akhtalistskali gorge. In Akhtalistskali gorge, water actually flows year-round and it dries only during several weeks period in summer. Storm waters from the Chachavadze street flows by gravity to the end of the street and finally will be discharged into the Vedzirula ravine located 20-30 m distance from the end of the Chavchavadze street.<br><br>Sewage network to be installed on the Besiki street will serve local residents along the street, approximately 70 families. Sewage networks will be connected to the existing municipal central collector from which waste water is discharged to the Akhtalistskali gorge. Water stream from the gorge finally flows into the river Alazani. Currently about 3000 inhabitants are connected to the Gurjaani central sewage system. Through connection of 70 additional households (with 3 members on average per each household) to the system under the project, its load will roughly increase by 7%. |
| Locations and distance for material sourcing, especially aggregates, water, stones? | Water will be available at the construction site from the municipal water supply system.<br><br>Distance to the nearest licensed borrow pit is approximately 7 km. |

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| **LEGISLATION** | |
| National & local legislation & permits that apply to project activity | SP has been classified as low risk Category B according to the WB policies and the ESMF.<br><br>Gurjaani municipal authority approved the SP.<br><br>Georgian legislation does not require any type of environmental review, approval, or permitting for the SP. Though according to the national regulatory system:<br><br>(i) construction materials must be obtained from licensed providers,<br>(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,<br>(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 MoENRP.<br>(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;<br>(v) Construction waste must be disposed on the nearest municipal landfill in accordance with written agreement with the Solid Waste Management Company of Georgia Ltd. under the Ministry of Regional Development and Infrastructure.<br><br>Copies of mineral extraction license, permit for operating asphalt plant, and agreement on waste disposal are attached to this EMP.<br><br>GOST and SNIP norms must be adhered. |
| **PUBLIC CONSULTATION** | |
| When / where the public consultation process will take /took place | Draft EMP was disclosed on the web-site of MDF. Hard copies of the document was made available at the MDF and Dedoplistskaro municipality. Announcement on the public consultation meeting was placed on public information board in the administration building of Dedoplistskaro municipality Governance.<br><br>MDF and local municipality organized consultation meeting with local population prior to the commencement of construction works, on the 10th of October 2014, in the office of Dedoplistskaro municipality Gamgebeli representative in village Mirzaani Minutes of the meeting is attached. |

| **ATTACHMENTS** |
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| Attachment 1: Site plan and photos<br>Attachment 2: Minutes of Public Consultation Process<br>Attachment 3: Agreements/permits/licenses |

**PART B: SAFEGUARDS INFORMATION**

| ENVIRONMENTAL /SOCIAL SCREENING | | | |
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| Will the site activity include/involve any of the following? | **Activity/Issue** | **Status** | **Triggered Actions** |
| | A. Building rehabilitation | ■ Yes [ ] No | See Section **A** below |
| | B. New construction | [ ] Yes ■ No | See Section **A** below |
| | C. Individual wastewater treatment system | [ ] Yes ■ No | See Section **B** below |
| | D. Historic building(s) and districts | [ ] Yes ■ No | See Section **C** below |
| | E. Acquisition of land[1] | [ ] Yes ■ No | See Section **D** below |
| | F. Hazardous or toxic materials[2] | [ ] Yes ■ No | See Section **E** below |
| | G. Impacts on forests and/or protected areas | [ ] Yes ■ No | See Section **F** below |
| | H. Handling / management of medical waste | [ ] Yes ■ No | See Section **G** below |
| | I. Traffic and Pedestrian Safety | ■ Yes [ ] 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 | (a) The local construction and environment inspectorates and communities have been notified of upcoming activities<br>(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)<br>(c) All legally required permits have been acquired for construction and/or rehabilitation<br>(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.<br>(e) Workers' PPE will comply with international good practice (always hardhats, as needed masks and safety glasses, harnesses and safety boots)<br>(f) Appropriate signposting of the sites will inform workers of key rules and regulations to follow. |
| **A.** General Rehabilitation and /or Construction Activities | Air Quality | (a) Demolition debris shall be kept in controlled area and sprayed with water mist to reduce debris dust<br>(b) During pneumatic drilling/wall destruction dust shall be suppressed by ongoing water spraying and/or installing dust screen enclosures at site<br>(c) The surrounding environment (sidewalks, roads) shall be kept free of debris to minimize dust<br>(d) There will be no open burning of construction / waste material at the site<br>(e) There will be no excessive idling of construction vehicles at sites<br>(f) Truck loads should be confinement and protected with lining. |
| | Noise | (a) Limit activities to daylight working hours;<br>(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<br>(c) The machinery should move only along the preliminarily agreed route;<br>(d) The maximum allowed speed should be restricted;<br>(e) Proper technical control and maintenance practices of the machinery should be applied;<br>(f) No-load operations of the vehicles and heavy machinery are not allowed. Proper mufflers will be used on machinery. |
| | Water Quality | (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;<br>(b) During works near the Akhalistskali gorge Contractor must ensure proper handling of paints, oil and lubricants to avoid any spillage of them into the gorge/water. It is not advised to paint the metal railings with the sprayer. Storage of potentially polluting materials within 50 m of Akhtalistskali gorge will be prohibited. Materials used for road/bridge rehabilitation and waste should not be allowed to dump into the gorge.<br>(c) Contractor will plan all excavations, topsoil and subsoil storage so as to reduce to a minimum any runoff;<br>(d) Revision of vehicles will be required to ensure that there is no leakage of fuel and lubricating materials. All machinery will be maintained and operated such that all leaks and spills of materials will be minimized. Daily plant checks (Vehicle Maintenance Procedure) will be undertaken to ensure no leaks or other problems are apparent. Vehicle maintenance, |

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| | | 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;<br>(e) Lubricants, fuel and solvents should be stored and used for servicing machinery exclusively in the designated sites, with adequate lining of the ground and confinement of possible operation and emergency spills. Spill containment materials (sorbents, sand, sawing, chips etc.) should be available on construction site;<br>(f) Wet cement and/or concrete will not be allowed to enter any watercourse, pond or ditch. |
| | Waste management | (a) Waste collection and disposal pathways and sites will be identified for all major waste types expected from demolition and construction activities.<br>(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.<br>(c) Construction waste will be collected and disposed properly on the agreed location.<br>(d) The records of waste disposal will be maintained as proof for proper management as designed.<br>(e) Whenever feasible the contractor will reuse and recycle appropriate and viable materials (except asbestos) |
| | Material supply | a) Use existing plants, quarries or borrow pits that have appropriate official approval or valid operating license.<br>b) Obtain licenses for any new quarries and/or borrowing areas if their operation is required;<br>c) Reinstate used sections of quarries and/or borrowing areas as extraction proceeds on or properly close quarries if extraction completed and license expired;<br>d) Haul materials in off peak traffic hours;<br>e) Place speed regulating, diverting, and warning signs for traffic as appropriate. |
| **H** Traffic and Pedestrian Safety | Direct or indirect hazards to public traffic and pedestrians by construction activities | (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:<br>▪ Signposting, warning signs, barriers and traffic diversions: site will be clearly visible and the public warned of all potential hazards<br>▪ 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.<br>▪ Adjustment of working hours to local traffic patterns, e.g. avoiding major transport activities during rush hours or times of livestock movement<br>▪ Active traffic management by trained and visible staff at the site, if required for safe and convenient passage for the public.<br>▪ Ensuring safe and continuous access to office facilities, shops and residences during renovation activities, if the buildings stay open for the public. |

**PART D: MONITORING PLAN**

| Activity | What (Is the parameter to be monitored?) | Where (Is the parameter to be monitored?) | How (Is the parameter to be monitored?) | When (Define the frequency / or continuous?) | Why (Is the parameter being monitored?) | Who (Is responsible for monitoring?) |
|---|---|---|---|---|---|---|
| **CONSTRUCTION PHASE** | | | | | | |
| Supply with construction materials | Purchase of construction materials from the officially registered suppliers | In the supplier's office or warehouse | Verification of documents | During conclusion of the supply contracts | To ensure technical reliability and safety of infrastructure | MDF, Construction supervisor |
| Transportation of consrtruction materials and waste;<br><br>Movement of construction machinery | Technical condition of vehicles and machinery;<br><br>Confinement and protection of truck loads with lining;<br>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;<br><br>Limit nuisance to local communities from noise and vibration;<br><br>Minimize traffic disruption. | MDF, Construction supervisor, Traffic Police |
| Earthworks | Temporary storage of excavated material in the pre-defined and agreed upon locations;<br><br>Backfilling of the excavated material and/or its disposal to | Construction site | Inspection | In the course of earth works | Prevent pollution of the construction site and its surroundings with construction waste; | MDF, Construction supervisor |

| Activity | What<br>(Is the parameter to be monitored?) | Where<br>(Is the parameter to be monitored?) | How<br>(Is the parameter to be monitored?) | When<br>(Define the frequency / or continuous?) | Why<br>(Is the parameter being monitored?) | Who<br>(Is responsible for monitoring?) |
|---|---|---|---|---|---|---|
| | the formally designated locations;<br><br>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. | | | | Prevent damage and loss of physical cultural resources | |
| Works on the Bridge | Washing of concrete and asphalt trucks and other equipment prohibited in the proximity to water courses;<br><br>Dumping of construction materials and/or waste into watercourses prohibited;<br><br>No construction materials or waste stored temporarily or permanently within 50 m of riverbed | Construction site (Bridge of Baratashvili street) | Inspection (visual observation) | During works (especially during precipitation) | Limit water pollution | MDF, Construction supervisor |

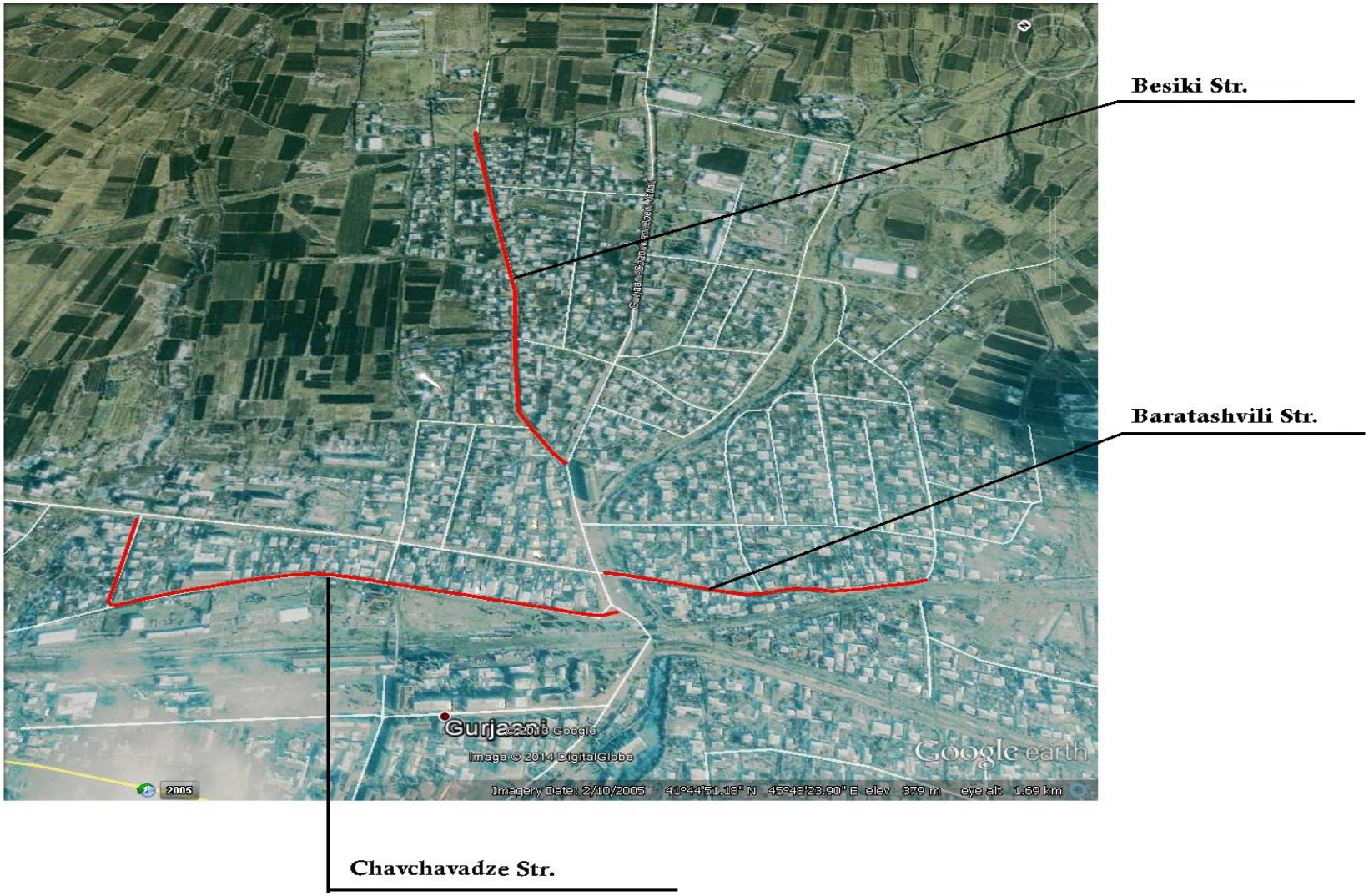
| Activity | What<br>(Is the parameter to be monitored?) | Where<br>(Is the parameter to be monitored?) | How<br>(Is the parameter to be monitored?) | When<br>(Define the frequency / or continuous?) | Why<br>(Is the parameter being monitored?) | Who<br>(Is responsible for monitoring?) |
|---|---|---|---|---|---|---|
| Sourcing of inert material | Purchase of material from the existing suppliers if feasible;<br><br>Obtaining of extraction license by the works contract and strict compliance with the license conditions;<br><br>Terracing of the borrow area, backfilling to the exploited areas of the borrow site, and landscape harmonization;<br><br>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. | Borrowing areas | Inspection of documents<br>Inspection of works | In the course of material extraction | Limiting erosion of slopes and degradation of ecosystems and landscapes;<br><br>Limiting erosion of river banks, water pollution with suspended particles and disruption of aquatic life. | MDF, Construction supervisor |
| Generation of construction waste | Temporary storage of construction waste in | Construction site; Waste disposal site | Inspection | Periodically during construction and upon complaints | Prevent pollution of the construction site | MDF, Construction supervisor, |

| Activity | What<br>(Is the parameter to be monitored?) | Where<br>(Is the parameter to be monitored?) | How<br>(Is the parameter to be monitored?) | When<br>(Define the frequency / or continuous?) | Why<br>(Is the parameter being monitored?) | Who<br>(Is responsible for monitoring?) |
|---|---|---|---|---|---|---|
| | especially allocated areas;<br><br>Timely disposal of waste to the formally designated locations | | | | and nearby area with solid waste | Gurjaani Municipality |
| Traffic disruption and limitation of pedestrian access | Installation of traffic limitation/diversion signage;<br><br>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;<br>Limit nuisance to local residents | MDF, Construction supervisor |
| Workers' health and safety | Provision of uniforms and safety gear to workers;<br><br>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 |

| Activity | What<br>(Is the parameter to be monitored?) | Where<br>(Is the parameter to be monitored?) | How<br>(Is the parameter to be monitored?) | When<br>(Define the frequency / or continuous?) | Why<br>(Is the parameter being monitored?) | Who<br>(Is responsible for monitoring?) |
|---|---|---|---|---|---|---|
| **OPERATION PHASE** | | | | | | |
| Maintenance of rehabilitated roads | Installation of relevant signage for traffic safety;<br><br>Demarcation of the sections of streets under repair;<br><br>Disposal of asphalt and or other waste from the repair works to the designated landfill. | Rehabilitated sections of roads | Inspection | During maintenance works | Prevent road accidents and disruption of traffic | Gurjaani municipality |

**Attachment 1: Site Map and Pictures**

Figure 1. Location of the streets to be rehabilitated



**Pictures of the Besiki street**





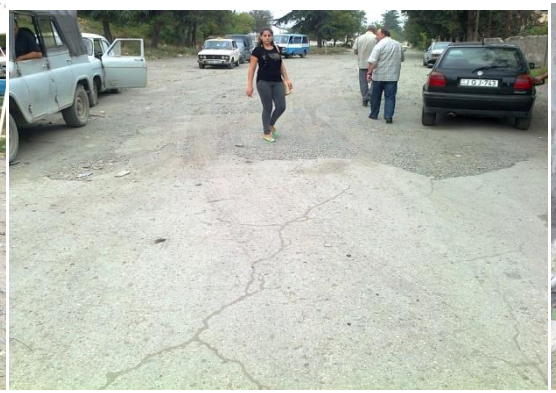

**Pictures of Baratasvili street**



Pictures of bridge over the Akhtalistskali gorge



**Pictures of Chavchavadze street**



## Attachment 2: Minutes of public consultation meeting

**Public Consultation**

**on the Draft Environmental Management Plan for Besiki, Baratashvili, and Chavchavardze streets' Rehabilitation in Gurjaani**

**October 10, 2014**

On October 10, 2014 public consultations on natural and social environmental management plan for the Sub-Project of Besiki, Baratashvili, and Chavchavardze streets' Rehabilitation were held in Gurjaani Music School.

Those present at the meeting

Zakro Kachlishvili - representative of Gurjaani Municipality Sakrebulo, Aleksandre Kviralashvili – Deputy Gamgebeli of Gurjaani Municipality, Archil Gogiashvili – Adviser to Gamgebeli of Gurjaani Municipality, Durmishkhan Amisulashvili – Head of Gurjaani Municipality Infrastructural Service, representatives of Gurjaani Municipality Infrastructural Service: Shalva Bachukashvili, Rati Chkoidze, Valeri Kavalashvili;

Inhabitants of Besiki, Baratashvili and Chavchavadze streets: Valeri Zardiashvili, Ilia Gogiashvili, Niko Dolaberidze, Jimsher Mamisashvili, Vladimer Sesiashvili, Vazha Jankulashvili, Nikoloz Amisulashvili, Tamaz Gzirishvili, Berdzenishvili, Vazha Mazanishvili, Temur Petrauzashvili, Niko Nibladze, Elguja Tavlalashvili, Murtaz Gorkhelashvili;

Representatives of the Municipal Development Fund of Georgia: Ana Rukhadze – Environmental Safety Specialsit, Tamar Kardava – Specialist of Relations with Benefeciaries, Gogi Sesiashvili – Project Monitoring Specialist.

The meeting was opened by Tamar Kardava, who briefed the public about the projects ongoing and planned under Imereti Regional Development Projcet.

Anna Rukhadze presented to the audience a Natural and Social Environmental Management Plan for the Sub-Project. She discussed works planned under the Sub-projects, their expected environmental impact and mitigation measures, as well as environmental protection liabilities of the contractors. A. Rukhadze informed the participants of the contact persons, which may be communicated with by the population in case of existence of any complaints concerning environmental or social impact issues.

Participants posed the following questions:

| ***Questions and remarks*** | ***Answers and comments*** |
|---|---|
| *Where will be the storm water discharged from Chavchavadze street?* | From Chavchavadze street, storm water flows by gravity to the last section of the street and finally empties into Vedzirula gorge, which is located at 20-30 meter distance from the last section of Chavchavadze street. |
| *Will road ditches be arranged on Besiki street? Currently the situation is grave, yards located on the left side of the road are often being inundated. There is occurrence of insanitation, dust and mud in rainy weather.* | Elevation of pavement is envisaged in the beginning of the street for preventing storm water inflow from Sarajishvili street. At the end of the street will be arranged a water diversion concrete gutter with lattice, and a 400 m long earth ditch. Finally, storm water will be discharged into the neighboring gorge. On Besiki street, 70 households residing along the street will get connected to the sewage network. The sewage network will get connected to the existing central municipal collector.<br>Arrangement of sidewalks and curbs is envisaged on both sides of the design streets (only on the left side of Chavchavadze street). In front of yard entrances, curbs will be arranged in lowered or inverted form. By means of curbs, the yards will be kept safe from the storm water inflow. |
| *Baratashvili street, sewage network is already arranged, but does not operate. It should be cleaned prior to commencement of road rehabilitation works.* | Street rehabilitation was planned in coordination with the United Water Supply Company of Georgia, which confirmed that rehabilitation of sewage system on Baratashvili and Chavchavadze streets is completed, and pipes are laid, rehabilitation of the sewage system on Paliashvili street is also planned, following which pipes will be connected to the central system. |
| *On Chavchavadze street sewage pipes are laid, but they don't operate, since they are not connected to the central system, which results in storm water penetration into the yards.* | |
| *Chavchavadze street is elevated, initially a road surface has to be stripped to level it down to the yards' reference mark, in order to prevent them from flooding with storm water.* | According to the design, the existing parameters of the roadbed remain unaltered. The project envisages arrangement of curbs on both sides of Chavchavadze street, which will protect the yards from storm water. |

Minutes prepared by Anna Rukhadze, MDF Environmental Safety Specialist.

October 10, 2014.

photos

**list of Participants**

რეგიონული და მუნიციპალური განვითარების მეორე პროექტი

ქ. გურჯაანში ბარათაშვილის, ზესიკის და ჭავჭავაძის ქუჩების რეაბილიტაციის ქვე-პროექტის

გარემოს დაცვის მართვის გეგმის საჯარო განხილვა

10 ოქტომბერი, 2014 წელი

შეხვედრაზე დამსწრეთა რეგისტრაციის ფურცელი

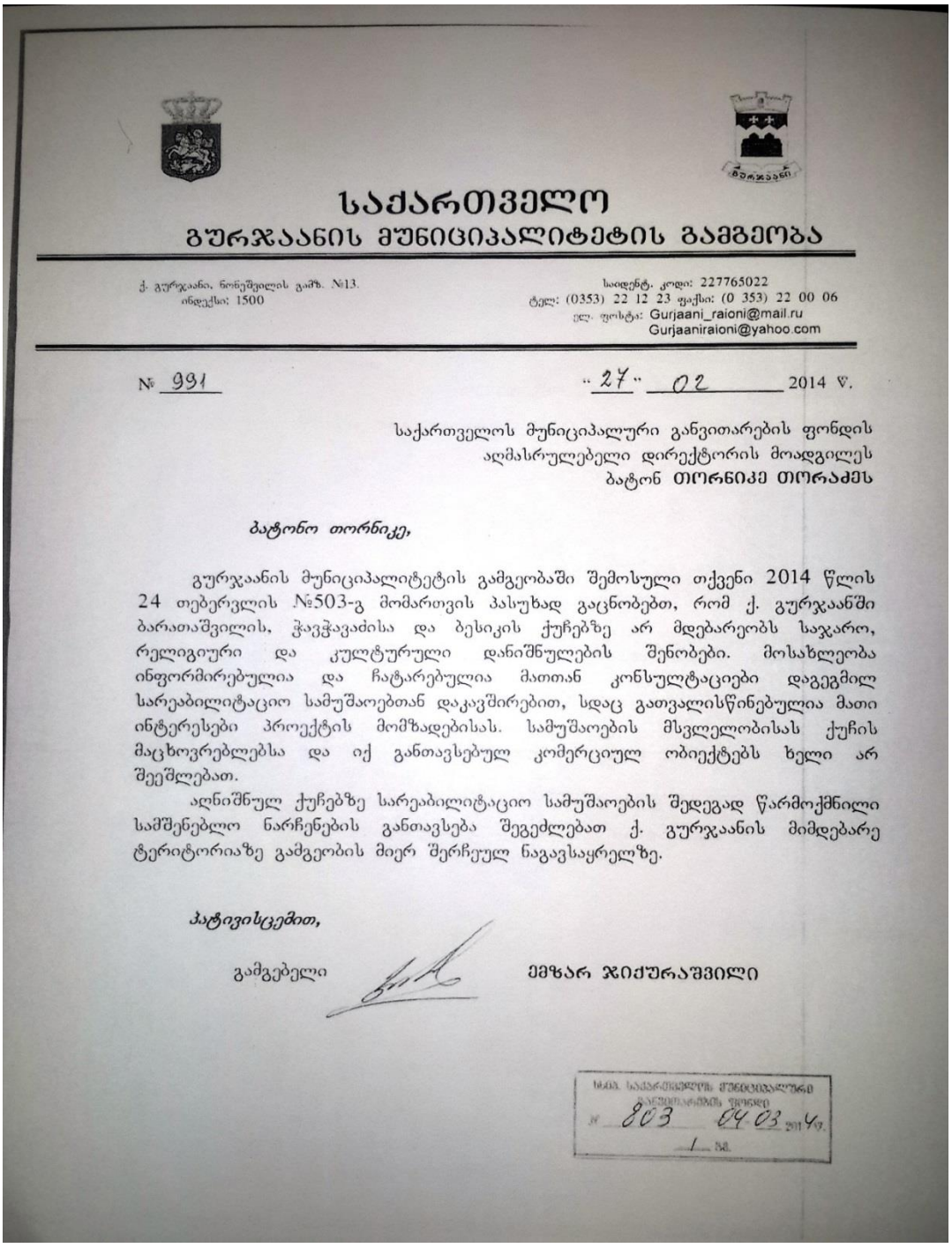
| | სახელი, გვარი | ორგანიზაცია | საკონტაქტო ინფორმაცია | ხელმოწერა |
|---|---|---|---|---|
| 1. | [illegible] | [illegible] | 599 85 22 21 | |
| 2. | [illegible] | [illegible] | 591-22-11-44 | |
| 3. | [illegible] | [illegible] | 599.60.55.60 | |
| 4. | [illegible] | [illegible] | 591-51-54-91 | |
| 5. | [illegible] | [illegible] | 599-85 22 06 | |
| 6. | [illegible] | [illegible] | 599 85 22 62 | |

| | | | | |
|---|---|---|---|---|
| 7. | | | 599852226 | |
| 8. | | | 599 206441 | |
| 9. | | | 555 23 01 08 | |
| 10. | | | 555621013 | |
| 11. | | | 599800589 | |
| 12. | | | 552202073 | |
| 13. | | | | |
| 14. | | | 593575731 | |
| 15. | | | 597141221 | |
| 16. | | | | |

| | | | | |
|---|---|---|---|---|
| 17. | | | 555-59 0892 | |
| 18. | | | 593-62-0324 | |
| 19. | | | | |
| 20. | | | 595.42.56.29 | |
| 21. | | | 577-99-98-32 | |
| 22. | | | 22-05-47 | |
| 23. | | | 591-32-60-44 | |
| 24. | | | 22-15-12-59505849 | |
| 25. | | | 577 112-118 | |

**Attachment 3: Agreement(s)/permits/licenses**

Agreement on waste disposal from Gurjaani municipality



# საქართველო
## გურჯაანის მუნიციპალიტეტის გამგეობა

ქ. გურჯაანი, ნონეშვილის გამზ. №13.
ინდექსი: 1500

საიდენტ. კოდი: 227765022
ტელ: (0353) 22 12 23 ფაქსი: (0 353) 22 00 06
ელ. ფოსტა: Gurjaani_raioni@mail.ru
Gurjaaniraioni@yahoo.com

№ 991 "27" 02 2014 წ.

საქართველოს მუნიციპალური განვითარების ფონდის
აღმასრულებელი დირექტორის მოადგილეს
ბატონ **თორნიკე თორაძეს**

*ბატონო თორნიკე,*

გურჯაანის მუნიციპალიტეტის გამგეობაში შემოსული თქვენი 2014 წლის 24 თებერვლის №503-გ მომართვის პასუხად გაცნობებთ, რომ ქ. გურჯაანში ბარათაშვილის, ჭავჭავაძისა და ბესიკის ქუჩებზე არ მდებარეობს საჯარო, რელიგიური და კულტურული დანიშნულების შენობები. მოსახლეობა ინფორმირებულია და ჩატარებულია მათთან კონსულტაციები დაგეგმილ სარეაბილიტაციო სამუშაოებთან დაკავშირებით, სდაც გათვალისწინებულია მათი ინტერესები პროექტის მომზადებისას. სამუშაოების მსვლელობისას ქუჩის მაცხოვრებლებსა და იქ განთავსებულ კომერციულ ობიექტებს ხელი არ შეეშლებათ.

აღნიშნულ ქუჩებზე სარეაბილიტაციო სამუშაოების შედეგად წარმოქმნილი სამშენებლო ნარჩენების განთავსება შეგეძლებათ ქ. გურჯაანის მიმდებარე ტერიტორიაზე გამგეობის მიერ შერჩეულ ნაგავსაყრელზე.

*პატივისცემით,*

გამგებელი **ემზარ ჯიქურაშვილი**

საქართველოს მუნიციპალური განვითარების ფონდი
№ 803 04 03 2014 წ.
1 ს.ნ.

Agreement on waste disposal from Gurjaani municipality

# საქართველო
## გურჯაანის მუნიციპალიტეტის გამგეობა

ქ. გურჯაანი, ნონეშვილის გამზ. №13.
ინდექსი: 1500

საიდენტ. კოდი: 227765022
ტელ: (0353) 22 12 23 ფაქსი: (0 353) 22 00 06
ელ. ფოსტა: Gurjaani_raioni@mail.ru
Gurjaaniraioni@yahoo.com

№ 6987 "18" 12 2014 წ.

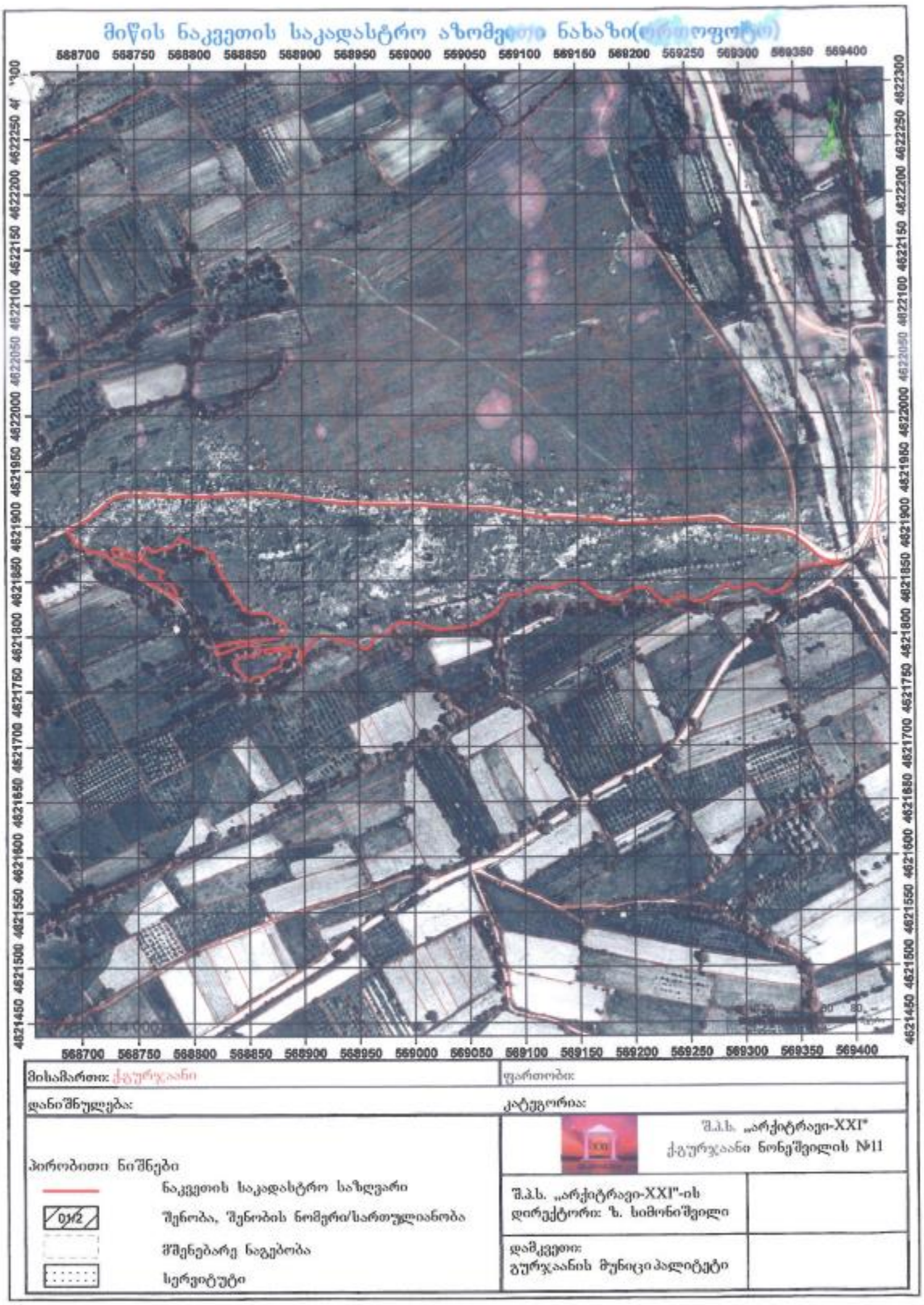
საქართველოს მუნიციპალური განვითარების
ფონდის აღმასრულებელ დირექტორს
ბატონ გიორგი ამაშუკელს
ასლი- ს.ს. „კავკასავტომაგისტრალი"-ს
დირექტორს ბატონ გიორგი როშაქიძეს

საქართველოს მუნიციპალური განვითარების ფონდის 2014 წ. 4 დეკემბრის #3434-გ მომართვის თანახმად მუნიციპალიტეტის გამგეობის მიერ ქ. გურჯაანში ბესიკის, ჭავჭავაძის და ზარათაშვილის ქუჩების სარეაბილიტაციო სამუშაოების პროცესში წარმოშობილი სამშენებლო ნარჩენების დასაყრელად გამოყოფილი ადგილები ვერ აკმაყოფილებს გარემოსდაცვითი მართვის გეგმით განსაზღვრულ მოთხოვნებს, რის გამოც სამშენებლო ნარჩენების დასაყრელად გამგეობის მიერ გამოყოფილია ადგილი ქ. გურჯაანის ყოფილი ნაგავსაყრელის ტერიტორიაზე (ქვემო ალაზნის სარწყავი არხის ზემოთ „თუთნარში")

პატივისცემით:

გამგებელი გიგი გერგიძე

საქ. საქართველოს მუნიციპალური განვითარების ფონდი
№ 6120 22.12.2014 წ.
1 ფურ.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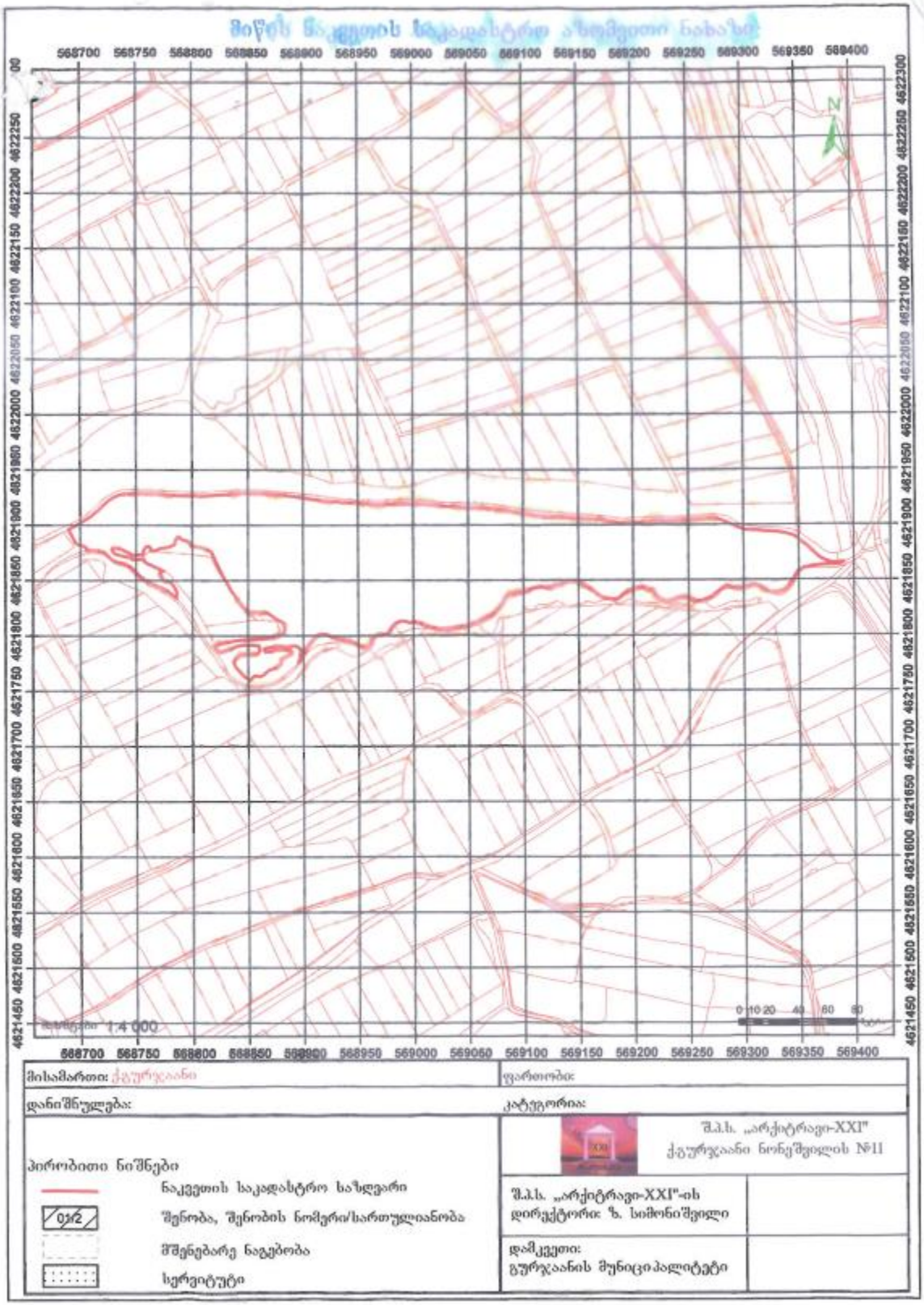
მისამართი: ქ.გურჯაანი
ფართობი:
დანიშნულება:
კატეგორია:
პირობითი ნიშნები
ნაკვეთის საკადასტრო საზღვარი
01#2
შენობა, შენობის ნომერი/სართულიანობა
მშენებარე ნაგებობა
სერვიტუტი
შ.პ.ს. „არქიტრაკი-XXI"
ქ.გურჯაანი ნონუშვილის №11
შ.პ.ს. „არქიტრაკი-XXI"-ის
დირექტორი: ზ. სიმონიშვილი
დამკვეთი:
გურჯაანის მუნიციპალიტეტი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მისამართი: ქ.გურჯაანი
ფართობი:
დანიშნულება:
კატეგორია:
პირობითი ნიშნები
ნაკვეთის საკადასტრო საზღვარი
შენობა, შენობის ნომერი/სართულიანობა
მშენებარე ნაგებობა
სერვიტუტი
შ.პ.ს. „არქიტრავი-XXI"
ქ.გურჯაანი ნონუშვილის №11
შ.პ.ს. „არქიტრავი-XXI"-ის
დირექტორი ზ. სიმონიშვილი
დამკვეთი:
გურჯაანის მუნიციპალიტეტი

**Agreement for the supply of natural construction materials between subcontractor and the licensed supplier**

ხ ე ლ შ ე კ რ უ ლ ე ბ ა

გურჯაანი 27.10.2014

ჩვენ ქვემოთ ხელისმომწერნი,ერთის მხრივ შპს „კახეთაეტოგზა" მისი დირექტორის ვლადიმერ სესიაშვილის სახით,შემდგომში „გამყიდველი" და მეორეს მხრივ შპს „გზა" მისი დირექტორის შოთა სესიაშვილის სახით,შემდგომში „მყიდველი" საქართველოს კანონმდებლობის შესაბამისად ვდებთ წინამდებარე ხელშეკრულებას

1.ხელშეკრულების საგანი

1.1. „გამყიდველი" ყიდის,ხოლო „მყიდველი" ყიდულობს ინერტულ მასალას

2. მხარეთა ვალდებულებები

2.1.„გამყიდველი" იღებს ვალდებულებას „მყიდველს" მიყიდოს ინერტული მასალა მოთხოვნის შესაბამისად.

3.ღირებულება და ანგარიშსწორება

3.1. 1 კუბ.მ. ინერტული მასალის ღირებულება დათვირთვის გარეშე შეადგენს 2.50 ლარს დღგ-ს ჩათვლით.

3.2. მიწოდებული პროდუქციის რაოდენობა განისაზღვრება „გამყიდველის" მიერ გამოწერილი ელექტრონული ზედნადებების საფუძველზე.

3.3.ანგარიშსწორების ფორმაა ნაღდი ან უნაღდო საგადასახადო ანგარიშ -ფაქტურის საფუძველზე

4. ფორს- მაჟორი

4.1.არცერთი მხარე არ აგებს პასუხს ხელშეკრულებით ნაკისრი ვალდებულებების შეუსრულებლობისთვის თუ ეს გამოწვეულია სტიქიით.სამთავრობო გადაწყვეტილებით.

5.სადავო საკითხების გადაწყვეტა

5.1.ნებისმიერი დავა მხარეებს შორის გადაწყდება ურთიერთშეთანხმებით. შეუთანხმებლობის შემთხვევაში საქართველოში მოქმედი კანონმდებლობის შესაბამისად.

5.2.ხელშეკრულება შედგენილია ორ ეგზემპლარად,რომელთაც თანაბარი იურიდიული ძალა აქვს.

გ ა მ ყ ი დ ვ ე ლ ი

შპს „კახეთაეტოგზა"

ს.კ.427717535
საქართველოს ბანკი

BAGAGE22

ა.ა.GE24BG0000000304767200

დირექტორი

ვლადიმერ სესიაშვილი

მ ყ ი დ ვ ე ლ ი

შპს „გზა"

ს.კ.427717973
ლიბერთი ბანკი

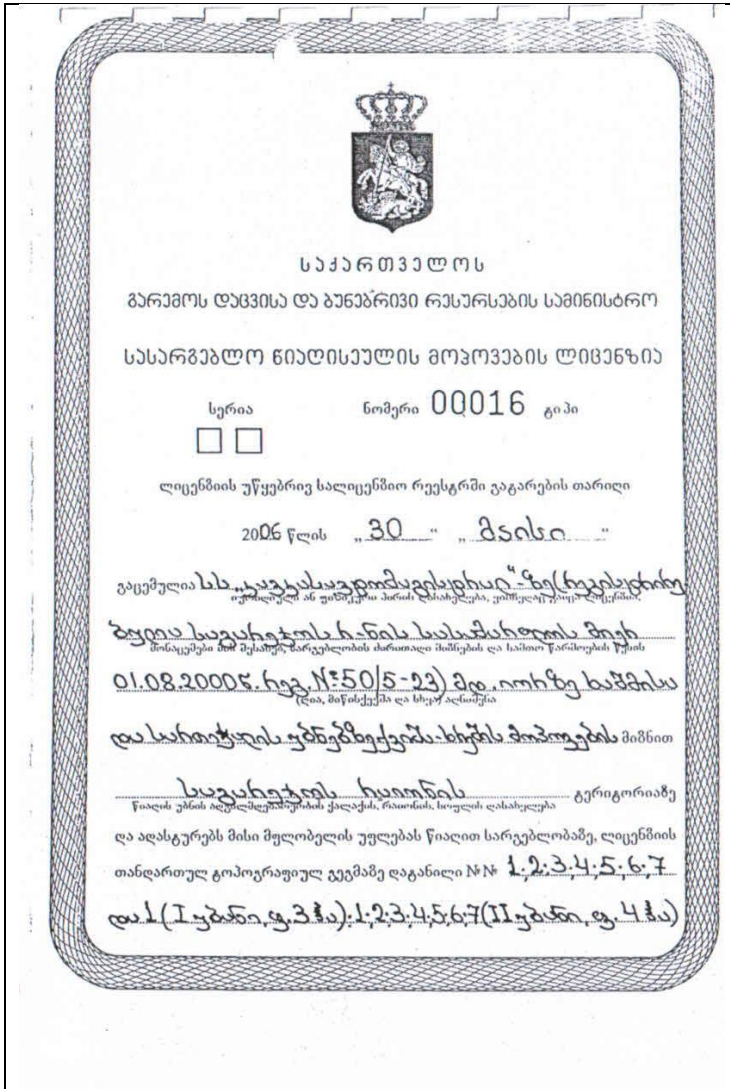
LBRTGE22

ა.ა.GE61LB0113119368513000

დირექტორი

შოთა სესიაშვილი

Supplier's License for extraction of natural construction material



საქართველოს

გარემოს დაცვისა და ბუნებრივი რესურსების სამინისტრო

სასარგებლო წიაღისეულის მოპოვების ლიცენზია

სერია ☐☐ ნომერი 00016 გია

ლიცენზიის უწყებრივ სალიცენზიო რეესტრში გაგარების თარიღი

2006 წლის „30" „მაისი"

გაცემულია სს „საავტომაგისტრალი" -ზე (რეგისტრირებული ან უფლებაწართმეული პირის დასახელება, კომისიური ან საწარმო)

ბუდის საგარეჯოს რ-ნის სასარჯისოდის მდ.

მინაცემები მის შესახებ, სარგებლობის ძირითადი მაჩვენებლის და საქმიანი წარმოების ტიპის

01.08.2000წ. რეგ.№:50/5-23) მდ. იორზე ხაშმის

(ქვაა, მიწოდქვეშა და სხ.) აღნიშნული

და საირიტულის უბნებზე ქვიშა-ხრეშის მოპოვების მიზნით

საგარეჯოს რაიონის გერიგორიაზე

წიაღის უბნის ადმინისტრაციული ერთეულის დასახელება ქალაქის, რაიონის, სოფლის დასახელება

და აღასტურებს მისი მფლობელის უფლებას წიაღით სარგებლობაზე, ლიცენზიის

თანდართულ გეოპოგრაფიულ გეგმაზე დაგანილი №№ 1.2.3.4.5.6.7

და 1(I უბანი, ფ.3ს):1.2.3.4.5.6.7(II უბანი, ფ.4ს)

Georgia
Ministry of Environment Protection and
Natural Resources of Georgia

Mineral extraction license

N00016

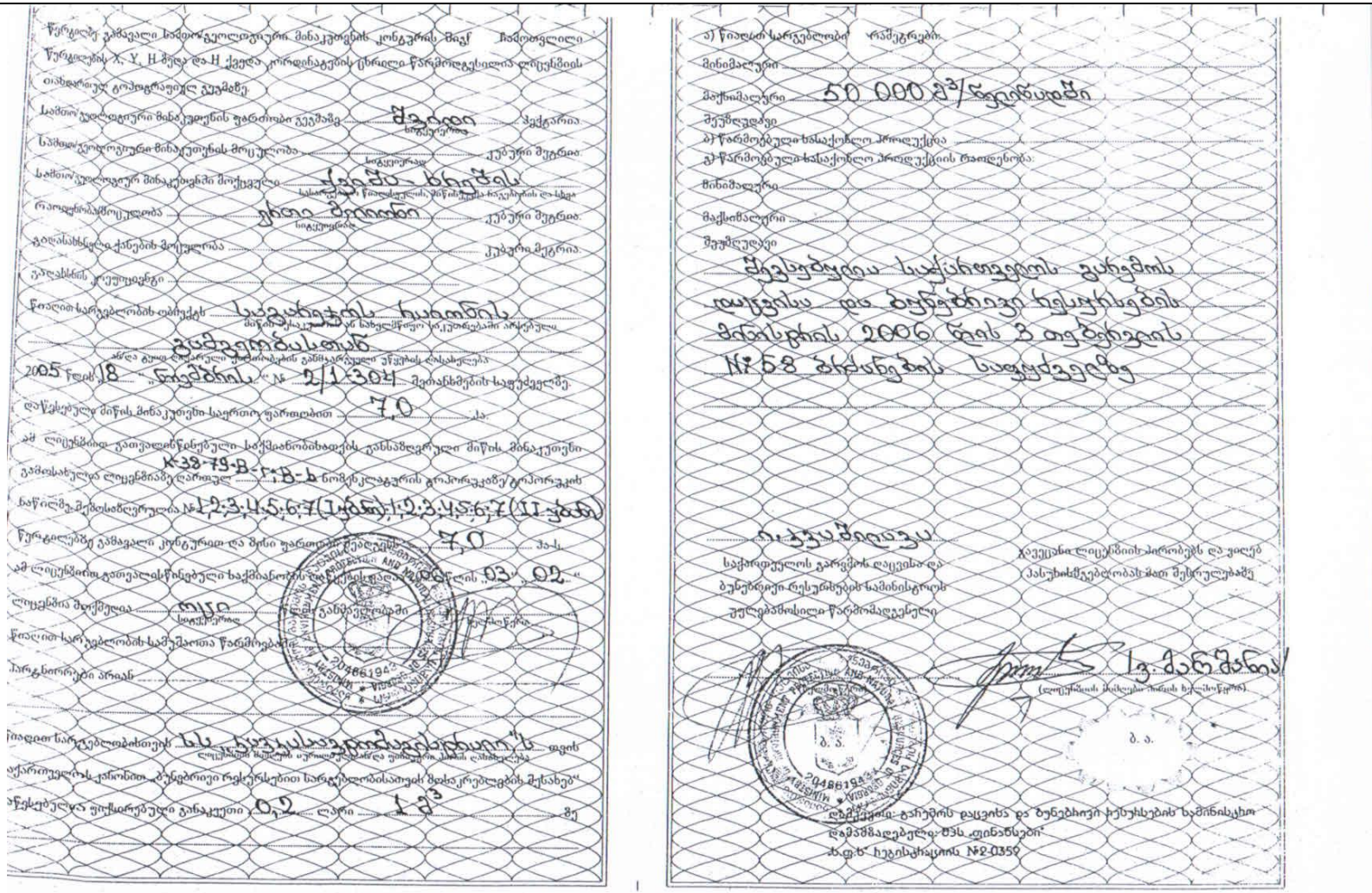
May 30, 2006

License Holder: JSC "Kavkasavtomagistrali"

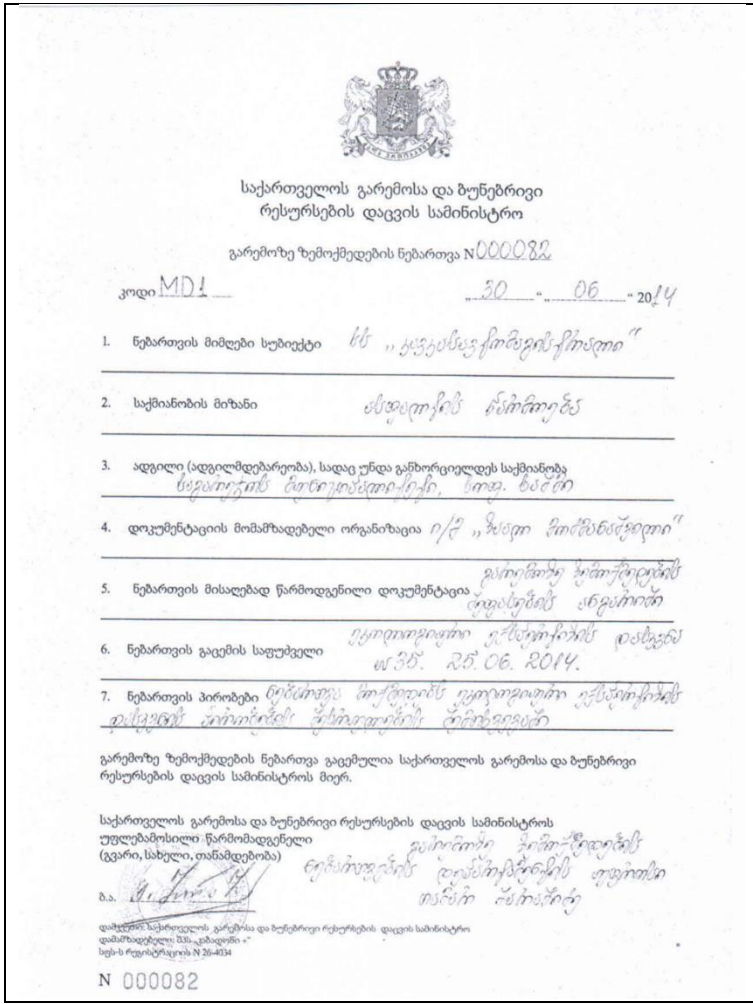
Legal basis: N58 Order of February 3, 2006 of Ministry of Environment Protection and Natural Resources of Georgia

The licensed area: Sagarejo Municipality, River Iori, Khashmi and Sartichala Districts

The license is valid for 20 (twenty) years



**Environmental Permit for the Operation of Asphalt Plant**



საქართველოს გარემოსა და ბუნებრივი
რესურსების დაცვის სამინისტრო

გარემოზე ზემოქმედების ნებართვა N000082

კოდი MD1 30 " 06 " 2014

1. ნებართვის მიმღები სუბიექტი სს „ავტომაგისტრალების ჩრდილოეთი"
2. საქმიანობის მიზანი ასფალტის წარმოება
3. ადგილი (ადგილმდებარეობა), სადაც უნდა განხორციელდეს საქმიანობა სოფ. ყაშმის მიმდებარედ, მდ. ხაშურა
4. დოკუმენტაციის მომამზადებელი ორგანიზაცია ი/მ „ზაალ მოძმანაშვილი"
5. ნებართვის მისაღებად წარმოდგენილი დოკუმენტაცია გარემოზე ზემოქმედების შეფასების ანგარიში
6. ნებართვის გაცემის საფუძველი ეკოლოგიური ექსპერტიზის დასკვნა №35. 25.06.2014.
7. ნებართვის პირობები ნებართვა ძალაშია ეკოლოგიური ექსპერტიზის დასკვნაში აღნიშნული პირობების შესრულების შემთხვევაში

გარემოზე ზემოქმედების ნებართვა გაცემულია საქართველოს გარემოსა და ბუნებრივი რესურსების დაცვის სამინისტროს მიერ.

საქართველოს გარემოსა და ბუნებრივი რესურსების დაცვის სამინისტროს
უფლებამოსილი წარმომადგენელი
(გვარი, სახელი, თანამდებობა)

ბ.ა.

დამტკიცებულია საქართველოს გარემოსა და ბუნებრივი რესურსების დაცვის სამინისტროს
დამამზადებელი: შპს „ტაბაღონი +"
სფს-ს რეგისტრაციის N 26-4034

N 000082

Ministry of Environment Protection and Natural Resources
Environmental impact Permit N000082

Code: MD1 30.06.2014

1. Permit Holder: JSC "Kavkasavtomagistrali"
2. Aim of the Activity: Asphalt production
3. Location: Sagarejo Municipality, Village Kashmi
4. Author of the document: S/P Zaal modzmanashvili
5. Submitted documents to get the permit: Environmental Impact Assessment Report
6. Legal basis of the Permit: Conclusion of Ecological Expertise N35, 25.06.2014.
7. Permit conditions: The permit is valid in case all the conditions stated in the conclusion are fulfilled.