



Rehabilitation of the Road from village Bodbe to village Bodbiskhevi (Signagi Municipality)

Sub-Project Environmental and Social Screening and Environmental Management Plan

WORLD BANK FINANCED

SECOND REGIONAL AND MUNICIPAL INFRASTRUCTURE DEVELOPMENT PROJECT

Tbilisi, Georgia

Environmental Screening

The sub-project (SP) will rehabilitate the road from village Bodbe to village Bodbiskhevi in Signagi Municipality. The total length of the road is 5.4 km. Both of the villages (Bodbe and Bodbiskhevi) are located in Signagi Municipality of Kakheti region. This road connects villages Bodbe and Bodbiskhevi and is used by the population of adjacent villages. It has significant social economic development meaning for population living in local and nearby villages. In case of recovery of this road, connection to borough Tsnori will be simplified, which in fact is trade center of the region. In addition, it eases connection to Signagi. As for today road is strongly damaged and hampers both transport and pedestrians safe movements. The road to be rehabilitated starts in village Bodbe from Nukriani-Bodbe road (bokhori) turn at PK 0+00 and ends at PK 53+88 in crossing of existing Tsnori-Tibaani road.

The SP includes:

- Removal of the fragments of the remaining a/c paving. Cleaning of road shoulders from soil; Clearing of shrubs within the RoW;
- Dismantling of damaged pipes at entrances (including asbestos pipes with total length of 119.6 m);
- Road bed arrangement;
- Arrangement of artificial structures: metal culverts and concrete drainage canal with metal inlet grate;
- Road pavement arrangement;
- Arrangement of roadside ditches in earth channel with total length of 2,925 m and roadside concrete canals with total length of 1,529.5 m;
- Arrangement of road connections and yard entrances;
- Arrangement of concrete parapets and benchmarks;

(A) IMPACT IDENTIFICATION

<p>Has sub-project a tangible impact on the environment?</p>	<p>The SP has a modest short term negative environmental impact while its long term impact is expected to be positive.</p> <p>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 (As for current situation pollution of adjacent nature and agricultural lands is higher. Therefore the impact is transitory and insignificant (noise, emissions, construction waste, temporary disturbance of traffic and access, etc.).</p>
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<p>What are the significant beneficial and adverse environmental effects of sub-project?</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>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.</p> <p>Travel time will be reduced from 35 min to 20 min that will directly reduce fuel expenses to 30-35 %. Accordingly emissions of harmful gasses will be reduced; in addition road surface appropriate level will ensure maximum comfort and safety both for transport and pedestrians movement.</p>
<p>May the sub-project have any significant impact on the local communities and other affected people?</p>	<p>No land take and physical relocation are expected.</p> <p>The long term social impact will be beneficial (improvement of local population living conditions, better traffic safety conditions, and improved convenience of travelling).</p> <p>Negative impacts are short term and limited to the construction site. They are related to the possible disturbance described above.</p>

(B) MITIGATION MEASURES

<p>Were there any alternatives to the sub-project design considered?</p>	<p>Given that the SP envisages rehabilitation of the existing infrastructure, no alternatives have been considered.</p>
<p>What types of mitigation measures are proposed?</p>	<p>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 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. Removed asbestos pipes (total</p>

	length - 119.6 m) must be disposed on the nearest municipal landfill in accordance written agreement with the Ministry of Environment and Natural Resources Protection and the Solid Waste Management Company of Georgia Ltd. under the Ministry of Regional Development and Infrastructure.
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 SPs financed by various donor organizations. Based on lessons learned from previous similar projects, design envisages not only rehabilitation of road pavement but also installation of storm water ditches and gabions which will 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?	<p>The SP has been developed by the Municipality in consultation with the affected communities and as a response to the current situation.</p> <p>MDF and local municipality have already organized consultation meeting with local population and public hearings of the EMP prepared for the SP was held in town Signagi prior to the commencement of construction works on 27th of January 2015.</p>

(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 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

INSTITUTIONAL & ADMINISTRATIVE			
Country	Georgia		
Project title	Regional and Municipal Infrastructure Development 2		
Sub-Project title	Signagi Municipality villages Bodbe and Bodbiskhevi connecting road rehabilitation		
Scope of site-specific activity	<ul style="list-style-type: none"> • Removal of the fragments of the remaining a/c paving. Cleaning of road shoulders from soil; Clearing of shrubs within the RoW; • Dismantling of damaged pipes at entrances (including asbestos pipes with total length of 119.6 m); • Road bed arrangement; • Arrangement of artificial structures: arrangement of metal culverts d=0.5m (total length – 82.4 m) and d=1.0 m (total length – 37.4 m) and arrangement of concrete drainage canal with metal inlet grate (L=18 m); • Road pavement arrangement: Construction of the gravel and road metal base and asphalt-concrete layers (6+4 cm) of the road pavement – 33,922 m²; • Arrangement of roadside ditches in earth channel with total length of 2,925 m and roadside concrete canals – 1,529.5 m; • Arrangement of road connections (699 m²) and yard entrances (1670.7 m²); • Arrangement of concrete parapet and benchmarks (Road furniture and marking, metal profiled road guards -1,100 m; special profile concrete parapets -547 units; road posts – 420 units; road signs – 46 units;) 		
Institutional arrangements (WB)	Task Team Leader: Xiaolan Wang		Safeguards Specialist: Darejan Kapanadze
Implementation arrangements (Borrower)	Implementing entity: Municipal Development Fund of Georgia	Works supervisor: Eptisa Servicios de Ingenieria S.L. Spain	Works contractor: LTD „Serpantini”
SITE DESCRIPTION			
Name of institution whose premises are to be rehabilitated	Signagi Municipality		

<p>Address and site location of institution whose premises are to be rehabilitated</p>	<p>Signagi, Agmashenebeli square # 2 Tel: 355232163 Sub-project site is located in East Georgia In Signagi municipality. 120 km distance from Tbilisi.</p>
<p>Who owns the land? Who uses the land (formal/informal)?</p>	<p>Municipal property</p>
<p>Description of physical and natural environment around the site</p>	<p>Iori Plateau occupies substantial part of Sighnaghi Municipality area. The plateau is formed by Tertiary and Quaternary stratified rocks. In terms of tectonics, it is characterized with matching ejective folds and longitudinal creeps and fractures. Morphological pattern of the plateau is composed of tectogenic forms – monoclinic and anticlinal tablelands and vast dishes, which are filled up with quaternary loose stratum. There is also occurrence of erosive forms in Iori Plateau – contemporary valley of river Iori and a number of gorges, bad lands, etc.</p> <p>A small section of Gombori mountain ridge is also part of Sighnaghi Municipality, which is composed of neogenic sandstone, conglomerates and clays. The south-western slope is declivity and is bisected by dry gorges. The north-eastern slope steeply descends to Alazani plain. Within the borders of the Municipality, Choporti (1087 m) is the highest mountain of Gombori mountain ridge. Northern part of the Municipality is taken up by the Alazani accumulative plain, which is formed by quaternary deposits. Within the borders of the Municipality, absolute height of Alazani plain is between 219m and 350 m. It is inclined north-westward and south-eastward. The relief of Alazani plain is complicated by minor depth erosive forms notched into alluvial fans.</p> <p>This place is characterized by subtropical semihumid, transitional moderately warm climate from semiarid to mildly continental, with relatively dry winters and hot summers. Average monthly temperature for January barely exceeds 0. Temperature of the warmest month (August) is 22,5 C°. Volume of average annual precipitations is 700mm. Total radiation - 120-130 kkal/cm². Albedo 25%, snow cover is of minor thickness and unsteady. Soils are cinnamonic leached, cinnamonic calcareous type, average humidity of soil is 25-27%. Vegetation is represented by: Botriochloetum, Shibliak and forest derivatives, there are the following tree species prevailing in the forests: oak, beech, hornbeam, ash, lime, pine, plum, cornel etc. Forests are inhabited by wild animals: wolf, jackal, fox, beaver, badgers, rabbits, squirrels and birds: woodcock, blackbirds, and hawks.</p>

<p>Locations and distance for material sourcing, especially aggregates, water, stones?</p>	<p>Water will be available at the construction site from the municipal water supply system.</p> <p>Distance to the nearest licensed borrow pit is approximately 25 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>Signagi 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 (Signagi municipal) governing bodies in written; (v) Removed asbestos pipes (d=0.4 m, total length - 119.6 m) must be disposed on the nearest municipal landfill in accordance written agreement with MoENRP and the Solid Waste Management Company of Georgia Ltd. under the Ministry of Regional Development and Infrastructure. (vi) Construction waste must be disposed on the nearest municipal landfill in accordance with written agreement with the Solid Waste Management Company of Georgia Ltd. <p>Copies of extraction licenses, permit for operating asphalt/concrete plant and waste disposal permit are attached to this EMP.</p> <p>GOST and SNIP norms must be adhered.</p>

PUBLIC CONSULTATION	
When / where the public consultation process will take /took place	EMP was discussed with beneficiary community prior to the commencement of works on the 27 th of January 2015. The meeting was held in Signagi community Centre, in town Signagi.
ATTACHMENTS	
<p>Attachment 1: Site plan and photos</p> <p>Attachment 2: Documents of public consultation</p> <p>Attachment 3: Agreements/permits/licenses</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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No	See Section E below
	G. Impacts on forests and/or protected areas	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	See Section F below
	H. Handling / management of medical waste	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	See Section G below
	I. Traffic and Pedestrian Safety	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	See Section H below

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

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

PART C: MITIGATION MEASURES

ACTIVITY	PARAMETER	MITIGATION MEASURES CHECKLIST
0. General Conditions	Notification and Worker Safety	<ul style="list-style-type: none"> (a) The local construction and environment inspectorates and communities have been notified of upcoming activities (b) The public has been notified of the works through appropriate notification in the media and/or at publicly accessible sites (including the site of the works) (c) All legally required permits have been acquired for construction and/or rehabilitation (d) The Contractor formally agrees that all work will be carried out in a safe and disciplined manner designed to minimize impacts on neighboring residents and environment. (e) Workers' PPE will comply with international good practice (always hardhats, as needed masks and safety glasses, harnesses and safety boots) (f) Appropriate signposting of the sites will inform workers of key rules and regulations to follow.
A. General Rehabilitation and /or Construction Activities	Air Quality	<ul style="list-style-type: none"> (a) Demolition debris shall be kept in controlled area and sprayed with water mist to reduce debris dust (b) During pneumatic drilling/wall destruction dust shall be suppressed by ongoing water spraying and/or installing dust screen enclosures at site (c) The surrounding environment (sidewalks, roads) shall be kept free of debris to minimize dust (d) There will be no open burning of construction / waste material at the site (e) There will be no excessive idling of construction vehicles at sites (f) Truck loads should be confinement and protected with lining.
	Noise	<ul style="list-style-type: none"> (a) 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; (b) Contractor will plan all excavations, topsoil and subsoil storage so as to reduce to a minimum any runoff; (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; (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;

ACTIVITY	PARAMETER	MITIGATION MEASURES CHECKLIST
	Waste management	<p>(e) Wet cement and/or concrete will not be allowed to enter any watercourse, pond or ditch.</p> <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 along the roads	<p>a) Trees along the road must be protected from cutting or unintentional damage;</p> <p>b) Cut of tree branches and removal vegetation covered the ditches and disposal of cut vegetation must be approved by local (municipal) governing bodies in written.</p>
E. Toxic Materials	Asbestos management	<p>(a) asbestos located on the SP site shall be marked clearly as hazardous material;</p> <p>(b) asbestos will be appropriately contained and sealed to minimize exposure;</p> <p>(c) The asbestos prior to removal will be treated with a wetting agent to minimize asbestos dust;</p> <p>(d) Asbestos will be handled and disposed by skilled & experienced professionals equipped with special PPE;</p> <p>(e) If asbestos material is stored temporarily, the wastes should be securely enclosed inside closed containments and marked appropriately. Security measures will be taken against unauthorized removal from the site.</p> <p>(f) The removed asbestos will not be reused;</p> <p>(g) The asbestos will finally disposed on the nearest official landfill in accordance with written agreement with MoENRP and "Solid Waste Management Company of Georgia" Ltd.</p>
H Traffic and Pedestrian Safety	Direct or indirect hazards to public traffic and pedestrians by construction activities	<p>(a) In compliance with national regulations the contractor will insure that the construction site is properly secured and construction related traffic regulated. This includes but is not limited to:</p> <ul style="list-style-type: none"> ▪ Signposting, warning signs, barriers and traffic diversions: site will be clearly visible and the public warned of all potential hazards ▪ Traffic management system and staff training, especially for site access and near-site heavy traffic. Provision of safe passages and crossings for pedestrians where construction traffic interferes. ▪ Adjustment of working hours to local traffic patterns, e.g. avoiding major transport activities during rush hours or times of livestock movement ▪ Active traffic management by trained and visible staff at the site, if required for safe and convenient passage for the public. ▪ Ensuring safe and continuous access to office facilities, shops and residences during renovation activities, if the buildings stay open for the public. ▪ Arranging speed bumps to reduce vehicle speed and provide appropriate signage in agreement with local traffic police.

PART D: MONITORING PLAN

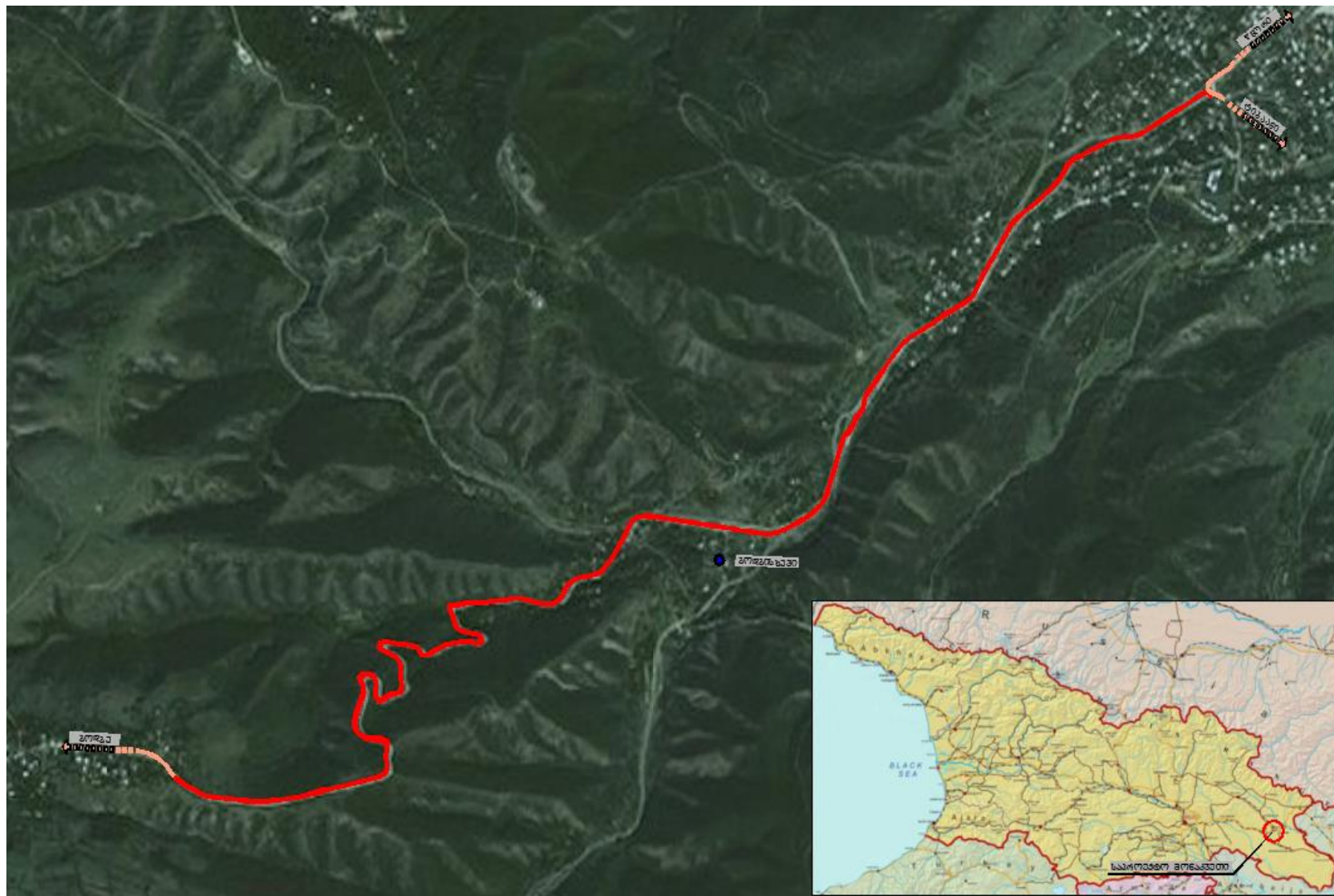
Activity	What (Is the parameter to be monitored?)	Where (Is the parameter to be monitored?)	How (Is the parameter to be monitored?)	When (Define the frequency / or continuous?)	Why (Is the parameter being monitored?)	Who (Is responsible for monitoring?)
CONSTRUCTION PHASE						
Supply with construction 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

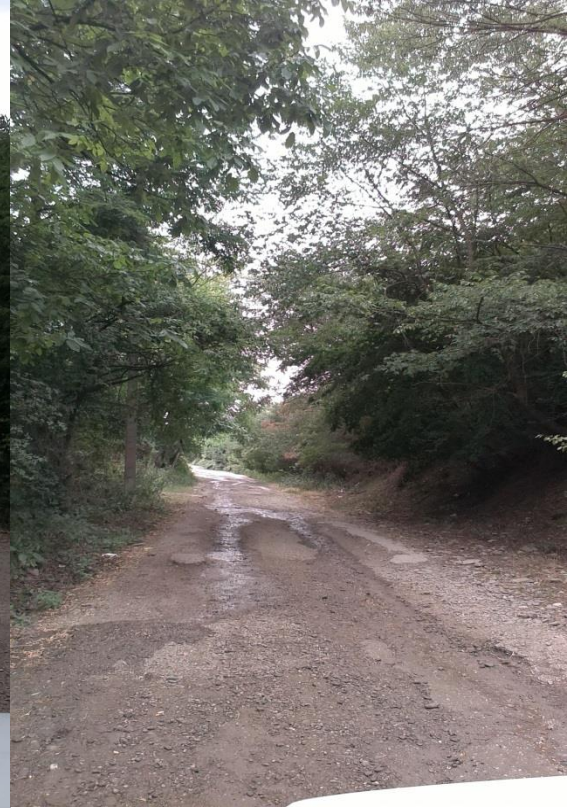
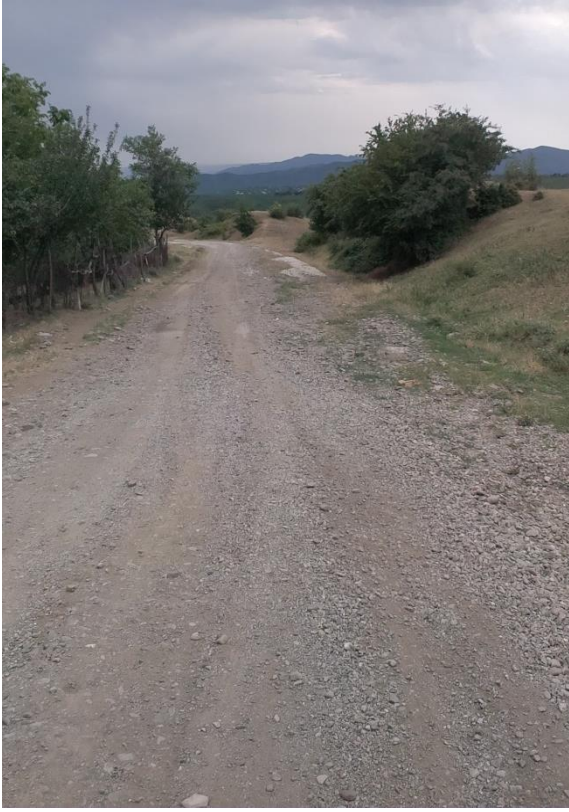
Activity	What (Is the parameter to be monitored?)	Where (Is the parameter to be monitored?)	How (Is the parameter to be monitored?)	When (Define the frequency / or continuous?)	Why (Is the parameter being monitored?)	Who (Is responsible for monitoring?)
Sourcing of inert material	<p>Purchase of material 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

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?)
Generation of hazardous waste	Watering of asbestos-containing pipes while handling them during dismantling and removal; Temporary storage of asbestos-containing waste in specially allocated area under cover; Timely disposal of asbestos-containing waste to the designated landfill.	Construction site; Permitted Waste disposal site	Inspection	Periodically during construction and upon complaints	Prevent pollution of the construction site and nearby area with hazardous wastes	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

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

Attachment 1: Map and pictures of the road









Attachment 2: Documents of public consultations

January 27, 2015

Town Signaghi, Georgia

Minutes

of Public Consultation Meeting

Draft Environmental Management Plan for Villages Bodbe and Bodbiskhevi Connecting Road Rehabilitation in Signaghi Municipality

On January 27, 2015 in the Town Signaghi House of Culture public hearings were held on natural and social environmental management plan prepared for the Sub-Project of Villages Bodbe and Bodbiskhevi connecting road rehabilitation in Signaghi Municipality. The meeting aimed at keeping local population abreast of sub-project related planned activities, the expected negative impact on the natural and social environment and the ways and means of preventing them.

Those present at the meeting:

Representatives of the Signaghi Municipality Gamgeoba:

Deputy Gamgebeli of Signaghi Municipality - Nodar Mevlupishvili, Tamaz Zedelashvili, Irakli Makharashvili, Vasil Usupashvili, Lali Kudashvili, Nodar Datukishvili, Ia Kandareli, Keti Bizhiashvili, Nana Kokiashvili, Giga Shishtakashvili, Archil Bezhashvili;

Representatives of Infrastructural and Architectural Unit of the Signaghi Municipality Gamgeoba: Tamaz Tsiklashvili, Nodar Bakashvili;

Local residents: Kakha Kochlamazashvili, Zurab Lekiasvili, Gela Butashvili, Alexandre Kochlamazashvili, Gia Kochlamazashvili, Vakhtang Gozalishvili, Gocha Gelashvili, Gocha Kusrashvili, Nodar Obolashvili.

Representative of civil works contractor – Mikheil Kholuashvili, construction site manager

Representatives of the Municipal Development Fund of Georgia:

Nino Patarashvili – Environmental Safety Specialist,

Nino Nadashvili - Environmental Safety Specialist,

Tamar Kardava – Specialist of Relations with Beneficiaries

Tamaz Dughashvili – Project Monitoring Specialist

Mikheil Tsereteli – Intern

Nino Patarashvili briefed the public on the sub-project objectives and construction activities planned under the project. She gave a speech about purposes of the meeting and presented to the audience a Natural and Social Environmental Management Plan prepared for the Sub-Project. She explained to the public social and environmental screening procedures applied for the WB funded SPs and environmental and social requirements of the presented SP. She discussed works planned under the Sub-project, social and environmental impacts expected as a result the SP activities and measures for mitigation or prevention of anticipated adverse impacts of the SP. She briefly noted that EMP forms integral part of the contract made with the civil works contractor and that the contractor is responsible for performance of mitigation measures envisaged under the EMP and protection of social and natural environment. She also discussed the issues of hazardous wastes, which are expected to generate as a result of project activities and their proper management. N. Patarashvili informed the participants of the contact persons to be communicated by the population 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 questions:

Questions and remarks	Answers and comments
Will the local populations be provided with employment opportunities?	The representative of civil works contractor clarified to the public that only specialists from the company with the requisite knowledge and experience of operating the construction machinery will be employed at the project site, as for the rest of the labor force - the company is willing to employ locals.
The representative of civil works contractor stated that following excavation of asbestos pipes existing in their driveways the locals object to handing them to the contractor for final safe disposal.	The public received clarification regarding hazards and risks linked with recycling of asbestos-containing materials. The contractor, MDF project monitoring specialist and representatives of local Municipality were requested to hold negotiations with locals and inform them of asbestos-containing material utilizations risks and hazards and to provide for timely and safe disposal of asbestos-containing materials from the project site.

At the end of the meeting the audience expressed their positive attitude towards the project and their hope that the road rehabilitation project will be completed in due time.

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

Minutes prepared by Nino Patarashvili, MDF Environmental Safety Specialist.

January 27, 2015.

Photos









List of Participants

რეგიონული და მუნიციპალური ინფრასტრუქტურის განვითარების მეორე პროექტი
 სიღნაღის მუნიციპალიტეტში სოფლების ზოდზისა და ზოდზისხევის დამაკავშირებელი გზის რეაბილიტაციის

ქვე-პროექტის გარემოს დაცვის მართვის გეგმის საჯარო განხილვა

27 იანვარი 2015 წელი

შეხვედრაზე დამსწრეთა რეგისტრაციის ფურცელი

	სახელი, გვარი	ორგანიზაცია	საკონტაქტო ინფორმაცია	ხელმოწერა
1.	ნ. ივთხაძე	მკვ	595070442	
2.	თინათინ მამუკაძე	მკვ	577442448	
3.	მამუკა მამუკაძე	მკვ	599 580555	
4.	თამარ ხუციშვილი	სიღნაღის მუნიციპალიტეტის მერიის განყოფილება	599855622	
5.	იხარო მამუკაძე	სიღნაღის მუნიციპალიტეტის მერიის განყოფილება	599855621	
6.	ვასილ მამუკაძე	სიღნაღის მუნიციპალიტეტის მერიის განყოფილება	599614121	

7.	განთავსების განყოფილება	სამსახურის განყოფილება	599 28 4854	გ.გ.
8.	სამსახურის განყოფილება	სამსახურის განყოფილება	599-27-47-53	გ.გ.
9.	სამსახურის განყოფილება	სამსახურის განყოფილება	598-30-58-55	გ.გ.
10.	სამსახურის განყოფილება	სამსახურის განყოფილება	599 855 93	გ.გ.
11.	სამსახურის განყოფილება	სამსახურის განყოფილება	599 49 50 93	გ.გ.
12.	სამსახურის განყოფილება	სამსახურის განყოფილება	591401539	გ.გ.
13.	სამსახურის განყოფილება	სამსახურის განყოფილება	599-26-46-16	გ.გ.
14.	სამსახურის განყოფილება	სამსახურის განყოფილება	595-15-87-02	გ.გ.
15.	სამსახურის განყოფილება	სამსახურის განყოფილება	555-10-66-55	გ.გ.
16.	სამსახურის განყოფილება	სამსახურის განყოფილება	790-34-64-36	გ.გ.

17.	Վճարահան հարկերի հավաքիչ	Կոնտոյն. հ-ն Երևան: Ցմբույ	598 32-31-11	Վ. Գրիգորյան
18.	Հոս հարկերի հավաքիչ	Կոնտ. հ-ն Կոն. Ցմբույ	599 85-56-59	Վ. Գրիգորյան
19.	Երևան քաղաքի հարկերի հավաքիչ	Կոնտոյն. Ցմբույ Ցմբույ Ցմբույ	599 79 6697	Վ. Գրիգորյան
20.	Երևան քաղաքի հարկերի հավաքիչ	Կոնտոյն. Ցմբույ Ցմբույ Ցմբույ	599 855 612	Վ. Գրիգորյան
21.	Սիսի հարկերի հավաքիչ	Կոնտոյն. Ցմբույ Ցմբույ Ցմբույ	599 855 620	Վ. Գրիգորյան
22.	Երևան քաղաքի հարկերի հավաքիչ	Կոնտոյն. Ցմբույ Ցմբույ Ցմբույ	599 855 633	Վ. Գրիգորյան
23.	Հրեշտակ հարկերի հավաքիչ	Կոնտոյն. Ցմբույ Ցմբույ Ցմբույ	555-99-33-80	Վ. Գրիգորյան
24.	Հրեշտակ հարկերի հավաքիչ	Կոնտոյն. Ցմբույ Ցմբույ Ցմբույ	599-43-33-48	Վ. Գրիգորյան
25.	Հրեշտակ հարկերի հավաքիչ	Կոնտոյն. Ցմբույ Ցմբույ Ցմբույ	555-38-19-09	Վ. Գրիգորյան
26.	Երևան քաղաքի հարկերի հավաքիչ	Կոնտոյն. Ցմբույ Ցմբույ Ցմբույ	599-47-00-22	Վ. Գրիգորյան

Attachment 3: Agreements/permits/licenses

Agreement for waste disposal



სიღნაღის მუნიციპალიტეტის გამგეობა
SIGNAGHI MUNICIPALITY DEPARTMENT

საქართველო, 4200, ქ. სიღნაღი, დ. აღმაშენებლის მოედანი №2
Davit Aghmashenebeli Square, Signagi, 4200, Georgia

ტელ/ფაქსი: 0 355 23 10 05; 23 21 63
Tel/ fax : 0355 231005; 23 21 63

N 05/117
23/01/2015

117-05-2-201501231422



შ.პ.ს. საგზაო საშენებლო-სარემონტო კომპანია „სერპანტინი“-ს
დირექტორს ბატონ ზურაბ ფეიქრიშვილს

ბატონო ზურაბ

სიღნაღის მუნიციპალიტეტის გამგეობაში 2015 წლის 15 იანვარს შემოსულ
#172/05 (გას. #14/01-2) წერილზე გაცნობებით, რომ ზ. ბოდბე-ბოხორი-ბოდბისხევის
საავტ. გზის სარეაბილიტაციო სამუშაოების ჩატარებისას შეგიძლიათ ისარგებლოთ
წნორის ნაგავსაყრელით.

პატივისცემით

დავით ჯანიკაშვილი
გამგებელი
სიღნაღის მუნიციპალიტეტი

Signaghi Municipality

To the Director of Roads
Constructing-Rehabilitating Company “Serpantini”
Mr. Zurab Peikrishvili

Mr. Zurab,

Regarding you letter #172/05 (#14/01-2) we would like to inform you that during the works related to Bodbe-Bokhori-Bodbiskhevi Roads you may use Tsnori Landfill.

Sincerely,
Governor
Davit Janikashvili

Environmental permit for the operation of asphalt plant



Ministry of Environment Protection and Natural Resources

Environmental Impact Permit N00211

Code: MD1

30.04.2009

1. Permit Holder: LTD "Roads Constructing-Rehabilitating Company Serpantini";
2. Aim of the Activity: Asphalt production
3. Location: Telavi Region, nearby village Ruispiri
4. Author of the document: Research-Scientific organization "Gama"
5. Submitted documents to get the permit: Environmental Impact Assessment Report
6. Legal basis of the Permit: Conclusion of Ecological Expertise N45, 27.04.2009.
7. Permit conditions: The permit is valid in case all the conditions stated in the conclusion are fulfilled.

License for extraction of natural construction material



საქართველო
ენერგეტიკისა და ზუნებრივი რესურსების სამინისტრო
საჯარო სამართლის იურიდიული პირი
ზუნებრივი რესურსების სააგენტო
სასარგებლო წიაღისეულის მოპოვების ლიცენზია

№ 1000612

2012 წლის „11“ „0360სი“
(ლიცენზიის უწყებრივ სალიცენზიო რეესტრში გატარების თარიღი)

გაცემულია შპს „საბაბო სამშენებლო-სარემონტო-კომპანია-სერპანტიანი“-ს,

ს/კ 231 165 529,

(იურიდიული ან ფიზიკური პირის დასახელება / ვინაობა, მონაცემები მის შესახებ)

საფუძველი საპროექტო-ენერგეტიკისა და ზუნებრივი რესურსების სამინისტროს
სსიკ ზუნებრივი რესურსების სააგენტოს უფროსის 2012 წლის 11 0360სი N 13/87 ბრძანება,

ლიცენზიით გათვალისწინებული ტერიტორიის მდებარეობა და ფართობი: თეზაის

მუნიციპალიტეტში, სოფ. ვარდსუანის ტერიტორიაზე, ფლ. თურქოვო

„თურქოვო-1-ის“ მშპ-ს, სრუტის საბაბო,

კ-38-79-ნ ნომენკლატურის ტოპოგრაფიული რუკა (ლიცენზიის განყოფილება ნაწილი);

მიწისა და საფარი მიწაკუთრების უარყოფი - 7,75 კა.

მოსაპოვებელი რესურსის სახეობა და მოცულობა:

„მურღოსხაპი I-ის“ ყველა სრულს ჯამური მოცულობა - 232 500 კუბური მეტრი;

სალიცენზიის პირობები:

ბუნებრივი რესურსების სააგენტოს განმარტებისა და გენერირების რეგულაციის საბინძურის
სსიპ გენერირების რეგულაციის სააგენტოს უფროსის 2012 წლის 11 თვისის №13/87 ბრძანებით

ლიცენზიის მოქმედების ვადა – 5 — წელი: 11.06.2012 — დას 12.06.2017 — მდე

სსიპ „ბუნებრივი რესურსების
სააგენტოს“ უფლებამოსილი
წარმომადგენელი



ბ.ა.

დამკვეთი: სსიპ „ბუნებრივი რესურსების სააგენტო“
დანიშნულებული: შპს „კაბადონი +“
სფს-ს რეგისტრაციის № 34-3212

გავეყენი ლიცენზიის პირობებს და
ვიღებ პასუხისმგებლობას მათ
შესრულებაზე.



(წოდებულება)

საბადონი
შ.პ.ს.
SERPANTINO
+31165529
თბილისი # 09 ბულივარის ქუჩა
საბურთალოს რაიონი # 555500000

Georgia
Ministry of Energy and
Natural Resources of Georgia

LEPL Agency of Natural Resources

Mineral extraction license

N1000612

2012 June 11

License Holder: LTD “Roads Constructing-Rehabilitating Company Serpantini”, ID 231 165 529

Legal basis: N13/87 Order of June 11, 2012 of the Head of LEPL Agency of Natural Resources of the Ministry of Energy and Natural Resources of Georgia

The licensed area: Telavi Municipality, nearby village Vardisubani, sand and gravel quarry of river Turdoskhevi

The license is valid for five years from 11.06.2012 until 12.06.2017