



# Environmental Management Plan

for  
rehabilitation of secondary road

**Nosiri-Gejeti-Nokalakevi**

**km 6+520 - km 11+520**

**Tbilisi, Georgia  
2013**



## PART 1: GENERAL PROJECT AND SITE INFORMATION

INSTITUTIONAL & ADMINISTRATIVE				
Country	Georgia			
Project title	Rehabilitation of secondary road Nosiri-Gejeti-Nokalakevi km 6+520 - km 11+520			
Scope of project and activity	<p>The roadway width ranges between 8.0-9.0 m. Carriageway width is mainly 6.0 m. Width of shoulders ranges between 1.0-1.5 m. Pavement is of asphalt concrete.</p> <p>Actual condition of the existing asphalt concrete pavement at the section PK 0+00-PK7+00 and section PK 22+50-PK 34+00 is satisfactory. Small defects are detected: potholes on carriageway, edges on some sections are broken, insignificant transverse cracks, cross-fall is disturbed.</p> <p>Asphalt concrete pavement at the section PK 7+00-PK 22+50 and section PK 34+00-PK 50+00 is heavily damaged. The following defects are found on the road: significant potholes, which are filled with gravel soil, edges are broken on both sides of the road, frequent cracks, cross-fall is disturbed.</p> <p>Neither deformations nor settlements are detected on the road. Ditches are silted along the total length of project road and cutting of new soil ditches is required. Construction of concrete ditches is required on some sections due to narrow roadway.</p> <p>The existing deteriorated and silted culverts aren't mainly subject to repair and shall be replaced with new culverts.</p> <p>The road lacks signs and guardrails. Junctions and yard entrances, bus stops and shelters shall be repaired.</p>			
Institutional arrangements (Name and contacts)	WB (Project Team Leader) Joseph Melitauri	Project Management Giorgi Tsereteli RDMRDI	Local Counterpart and/or Recipient Senaki Municipality	
Implementation arrangements (Name and contacts)	Safeguard Supervision WB Darejan Kapanadze	Local Counterpart Supervision RRMSD Ltd.	Local Inspectorate Supervision -	Contractor JSC Arqepolisi
SITE DESCRIPTION				
Name of site	Rehabilitation of secondary road Nosiri-Gejeti-Nokalakevi km 6+520 - km 11+520 The project road is located in Samegrelo-Zemo Svaneti region, particularly in Senaki district.			
Describe site location	The secondary road Nosiri-Gejeti-Nokalakevi starts from km 291 of international road Tbilisi-Senaki-Lesellidze and joins the road Senaki-Nokalakevi-Martvili at km 16. The road crosses the villages: Nosiri, Gejeti, Nokalakevi. The project road section km 6+520-km 11+520 is located in the village Gejeti. It starts at km 6+520 and ends km 11+520. Length of rehabilitation is 5 km.		Attachment 1: Consultation meeting minutes Attachment 2: Waste disposal permit Attachment 3: Quarry License	
Who owns the land?	Senaki Municipality			
Description of geographic, physical, biological, geological, hydrographic and socio-economic context	<p><u>Location</u> - The mentioned road is very important for local inhabitants as it links the above-mentioned villages with the international motorway Tbilisi-Senaki-Lesellidze and secondary road Senaki-Nokalakevi-Bandza-Khoni and by means of the roads to various towns and regions of Georgia.</p> <p><u>Air</u> - Air quality in the project area is good due to low traffic levels and the absence of industrial facilities.</p>			



	<p><u>Water and Soil</u> - No pollution is reported.</p> <p><u>Flora</u> - The construction activities will be carried out in the existing alignment and without alteration of the existing elements (straights, curves, widths etc.). Vegetation would only be affected in the sections where side drains are to be rehabilitated or reconstructed. Vegetation is sparse along the road with rare occurrence of bushes and small trees that are not part of riparian forests. No protected species have been observed in the vicinity of the road.</p> <p><u>Fauna</u> – Impacts upon fauna will remain unchanged during construction since works will be confined to the existing road. There are several rivers that are crossed by the road. Works in these sections will be restricted to rehabilitation of bridge abutments, requiring the removal of garbage or other impediments to water flows; resulting in a positive impact on existing fauna.</p> <p><u>Noise</u> - The current noise level is low due to low traffic levels and a lack of industrial facilities. The project will have modest impact on the village population, as construction works will constraint movement only of those people who reside immediately along the road and this impact will be limited to the rehabilitation phase.</p>
Locations and distance for material sourcing, especially aggregates, water, stones?	Inert material will be extracted from the borrow pit located near Senaki district, village Dzveli Senaki in the riverbed of river Tekhura.
<b>LEGISLATION</b>	
Identify national & local legislation & permits that apply to project activity	<p>The project triggers World Bank OP/BP 4.01 - Environmental Assessment and, according to its principles, has been classified as environmental Category B. The present EMP has been prepared to meet requirements of OP/BP 4.01.</p> <p>Georgian legislation does not require any type of environmental review, approval, or permitting for the project. Though according to the national regulatory system,</p> <ul style="list-style-type: none"> <li>(i) works contractor must be licensed,</li> <li>(ii) construction materials must be obtained from licensed providers,</li> <li>(iii) 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,</li> <li>(iv) 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.</li> <li>(v) disposal of the construction waste into a landfill or permanent placement of access inert material generated in the course of earth works in a selected location must be approved by local (municipal) governing bodies in written.</li> </ul>
<b>PUBLIC CONSULTATION</b>	
Identify when / where the public consultation process took place	Environmental Management Framework for the Secondary and Local Roads Project II was disclosed through the RDMRDI web page and a stakeholder consultation meeting was held on 03/02/2012. The present site-specific EMP consultation meeting with local communities was held on 10 August 2012. The minutes of this meeting is uploaded on the department web-site.
<b>INSTITUTIONAL CAPACITY BUILDING</b>	
Will there be any capacity building?	[x] N or [ ] Y



**PART 2: SAFEGUARDS SCREENING AND TRIGGERS**

<b>ENVIRONMENTAL /SOCIAL SCREENING FOR SAFEGUARDS TRIGGERS</b>			
	<b>Activity/Issue</b>	<b>Status</b>	<b>Triggered Actions</b>
Will the site activity include/involve any of the following??	A. Roads rehabilitation	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If “Yes”, see Section <b>A</b> below
	B. New construction of small traffic infrastructure	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If “Yes”, see Section <b>A</b> below
	C. Impacts on surface drainage system	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If “Yes”, see Section <b>B</b> below
	D. Historic building(s) and districts	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If “Yes”, see Section <b>C</b> below
	E. Acquisition of land <sup>1</sup>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If “Yes”, see Section <b>D</b> below
	F. Hazardous or toxic materials <sup>2</sup>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If “Yes”, see Section <b>E</b> below
	G. Impacts on forests and/or protected areas	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If “Yes”, see Section <b>F</b> below
	H. Risk of unexploded ordnance (UXO)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If “Yes”, see Section <b>G</b> below
	I. Traffic and Pedestrian Safety	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If “Yes”, see Section <b>H</b> below



## PART 3: MITIGATION MEASURES

ACTIVITY	PARAMETER	MITIGATION MEASURES CHECKLIST
0. General Conditions	Notification and Worker Safety	<ul style="list-style-type: none"> <li>(a) The local construction and environment inspectorates and communities have been notified of upcoming activities</li> <li>(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)</li> <li>(c) All legally required permits have been acquired for construction and/or rehabilitation</li> <li>(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.</li> <li>(e) Workers' PPE will comply with international good practice (always hardhats, as needed masks and safety glasses, harnesses and safety boots)</li> <li>(f) Appropriate signposting of the sites will inform workers of key rules and regulations to follow.</li> </ul>
A. General Rehabilitation and /or Construction Activities	Air Quality	<ul style="list-style-type: none"> <li>(a) During excavation works dust control measures shall be employed, e.g. by spraying and moistening the ground</li> <li>(b) Demolition debris, excavated soil and aggregates shall be kept in controlled area and sprayed with water mist to reduce debris dust</li> <li>(c) During pneumatic drilling or breaking of pavement and foundations dust shall be suppressed by ongoing water spraying and/or installing dust screen enclosures at site</li> <li>(d) The surrounding environment (side walks, roads) shall be kept free of soil and debris to minimize dust</li> <li>(e) There will be no open burning of construction / waste material at the site</li> <li>(f) All machinery will be well maintained and serviced and there will be no excessive idling of construction vehicles at sites</li> </ul>
	Noise	<ul style="list-style-type: none"> <li>(a) Construction noise will be limited to restricted times agreed to in the permit</li> <li>(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</li> </ul>
	Water Quality	<ul style="list-style-type: none"> <li>(a) The site will establish appropriate erosion and sediment control measures such as e.g. hay bales and / or silt fences to prevent sediment from moving off site and causing excessive turbidity in canalization and nearby streams and rivers</li> </ul>
	Waste management	<ul style="list-style-type: none"> <li>(a) Waste collection and disposal pathways and sites will be identified for all major waste types expected from excavation, demolition and construction activities.</li> <li>(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.</li> <li>(c) Construction waste will be collected and disposed properly into formally agreed upon locations.</li> <li>(d) Whenever feasible Contractor will reuse and recycle appropriate and viable materials (except when containing asbestos)</li> </ul>
B. Impacts on surface drainage system	Water Quality	<ul style="list-style-type: none"> <li>(a) There will be no unregulated extraction of groundwater, nor uncontrolled discharge of process waters, cement slurries, or any other contaminated waters into the ground or adjacent streams or rivers.</li> <li>(b) There will be proper storm water drainage systems installed and care taken not to silt, pollute, block or otherwise negatively impact natural streams, rivers, ponds and lakes by construction activities.</li> <li>(c) There will be procedures for prevention of and response to accidental spills of fuels, lubricants and other toxic or noxious substances.</li> <li>(d) Construction vehicles and machinery will be washed only in designated areas where runoff will not pollute natural surface water bodies.</li> </ul>



ACTIVITY	PARAMETER	MITIGATION MEASURES CHECKLIST
C. Historic building(s)	Cultural Heritage	(a) If construction works take place close to a designated historic structure, or are located in a designated historic district, notification shall be made and approvals/permits be obtained from local authorities and all construction activities planned and carried out in line with local and national legislation. (b) It shall be ensured that provisions are put in place so that artifacts or other possible “chance finds” encountered in excavation or construction are noted and registered, responsible officials contacted, and works activities delayed or modified to account for such finds.
D. Acquisition of land	Land Acquisition Plan/Framework	(c) If expropriation of land was not expected but is required, or if loss of access to income of legal or illegal users of land was not expected but may occur, that the Bank’s Task Team Leader shall be immediately consulted. (d) The approved Land Acquisition Plan/Framework (if required by the project) will be implemented
E. Toxic materials	Asbestos management	(a) If asbestos is located on the project site, it shall be marked clearly as hazardous material (b) When possible the asbestos will be appropriately contained and sealed to minimize exposure (c) The asbestos prior to removal (if removal is necessary) will be treated with a wetting agent to minimize asbestos dust (d) Asbestos will be handled and disposed by skilled & experienced professionals (e) If asbestos material is stored temporarily, the wastes should be securely enclosed inside closed containments and marked appropriately. Security measures will be taken against unauthorized removal from the site. (f) The removed asbestos will not be reused
	Toxic / hazardous waste management	(a) Temporarily storage on site of all hazardous or toxic substances will be in safe containers labeled with details of composition, properties and handling information (b) The containers of hazardous substances shall be placed in an leak-proof container to prevent spillage (c) The wastes shall be transported by specially licensed carriers and disposed in a licensed facility. (d) Paints with toxic ingredients or solvents or lead-based paints will not be used
F. Affected forests, wetlands and/or protected areas	Ecosystem protection	(a) All recognized natural habitats, wetlands and protected areas in the immediate vicinity of the activity will not be damaged or exploited, all staff will be strictly prohibited from hunting, foraging, logging or other damaging activities. (b) A survey and an inventory shall be made of large trees in the vicinity of the construction activity, large trees shall be marked and cordoned off with fencing, their root system protected, and any damage to the trees avoided (c) Adjacent wetlands and streams shall be protected from construction site run-off with appropriate erosion and sediment control feature to include by not limited to hay bales and silt fences (d) There will be no unlicensed borrow pits, quarries or waste dumps in adjacent areas, especially not in protected areas.
G. Risk of unexploded ordnance (UXO)	Hazard to human health and safety	(a) Before start of any excavation works the Contractor will verify that the construction area has been checked and cleared regarding UXO by the appropriate authorities
H Traffic and pedestrian safety	Direct or indirect hazards to public traffic and pedestrians by construction activities	(b) 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 <ul style="list-style-type: none"> <li>▪ Signposting, warning signs, barriers and traffic diversions: site will be clearly visible and the public warned of all potential hazards</li> <li>▪ 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.</li> <li>▪ Adjustment of working hours to local traffic patterns, e.g. avoiding major transport activities during rush hours or times of livestock movement</li> <li>▪ If required, active traffic management by trained and visible staff at the site for safe passage for the public</li> <li>▪ Ensuring safe and continuous access to all adjacent office facilities, shops and residences during construction</li> </ul>



## PART 4: MONITORING PLAN

### Construction Phase

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?)
Supply of construction materials	Purchase of the construction materials from licensed providers	Offices and warehouses of material suppliers, and borrowing sites	Checking documents; Inspection of material quality	In the process of signing the agreements for material provision	Ensure technical quality of construction; Protect human health and environment	Roads Department (RD)
Transportation of construction materials and waste  Movement of construction equipment	Technical condition of construction vehicles and machinery;  Adequacy of the loading trucks for transported types of cargo, and canopy coverage of cargo transported in open trucks;  Movement of construction vehicles and machinery along pre-defined routes.	Routes for transportation of construction materials and construction wastes	Inspection of roads adjacent to the construction site and included in the agreed-upon routes of transportation	Unannounced checks during the working hours	Avoid air and road pollution with dust and solid matter;  Reduce traffic disruption	RD;  Traffic Police
Operation of Construction machinery on site	Proper technical condition of construction machinery: <ul style="list-style-type: none"> <li>• no excessive exhaust,</li> <li>• no fuel leakage,</li> <li>• respect of working hours</li> </ul>	Construction site	Inspection	Within and off working hours	Reduce air and soil pollution caused by equipment operation;  Reduce noise and dust nuisance to local population	RD



<p>Servicing of construction machinery</p>	<p>Washing vehicles and machinery off-site of in the location sufficiently distant from water bodies;</p> <p>Servicing vehicles and machinery with oils and lubricants off-site or in an especially arranged location on-site;</p> <p>technical adequacy of the servicing location:</p> <ul style="list-style-type: none"> <li>• solid, insulating floor or adsorbent layer (sand, gravel, membrane),</li> <li>• containment barriers allowing enough space for holding fuel over the maximum amount expected on the location at a time,</li> <li>• emergency fire-fighting kit,</li> <li>• sedimentation pool at car wash area.</li> </ul>	<p>Construction site and construction base (if applicable)</p>	<p>Inspection</p>	<p>Entire period of machinery operation</p>	<p>Avoid land and water pollution with oil products due to servicing of vehicles and machinery;</p> <p>Be ready for fire emergency action to promptly localize fire source and minimize material damage</p>	<p>RD</p>
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<p>Extraction of inert material</p>	<p>Purchase of inert material from the existing providers if possible;</p> <p>Obtaining license for extraction of material by the Contractor and strict adherence to the terms of such license;</p> <p>Terrace processing of the borrow pits, backfilling of excess material, and harmonization with landscape;</p> <p>River bed gravel extraction away from water flow, arrangement of gravel barriers for isolating extraction area from water flow, prevention of water flow entry by vehicles and machinery;</p> <p>Demarcation of borrow areas with warning signs</p>	<p>Borrow areas</p>	<p>Checking documents</p> <p>Inspection of activities</p>	<p>The period of material extraction</p>	<p>Reduce slope erosion and damage to the ecosystem and landscape;</p> <p>Reduce river bank erosion, water pollution with suspended particles, and impact on the aquatic life;</p> <p>Protection of animals and people from accidents</p>	<p>RD</p> <p>Agency of Natural Resources</p>
<p>Generation of construction waste</p>	<p>Temporary storage of inert and hazardous wastes separately at the designated locations;</p> <p>Timely disposal of waste to the formally designated landfills;</p> <p>Hand-over of hazardous wastes to licensed deactivating and processing companies.</p>	<p>Construction site and base (if applicable);</p> <p>Locations designated for waste disposal</p>	<p>Checking documents;</p> <p>Visual observation</p>	<p>Entire period of construction</p>	<p>Avoid pollution of the environment</p>	<p>RD;</p> <p>Local Municipality</p>



Accumulation of household waste	Provision of waste containers on-site;  Agreement with local municipality for regular out-transporting of waste	Construction site and base (if applicable)	Visual inspection	Entire period of construction	Avoid pollution of soil and water with household waste	RD;  Local Municipality
Generation of liquid waste	Arrangement and operation of toilets compliant with sanitary norms on-site;  Arrangement of drainage system for storm water collection and periodic cleaning of the system from silt;  Arrangement of sedimentation pool for waste water collection on-site	Construction site and base (if applicable)	Visual inspection	Entire period of construction  Increased frequency of inspection in periods of high precipitation	Avoid flooding of construction site and base;  Reduce pollution of surface and ground water	RD
Operation of asphalt-concrete plant	Obtaining permit for impacting environment by Contractor and strict adherence to its terms;  Placement of plant in the location permissive for minimal disturbance of local population;  Arranging sedimentation pool for capturing of liquid discharges from plant	Construction site and base (if applicable)	Checking documents  Inspection	Before establishment of plant and during entire period of its operation	Reduce inconvenience for local population due to plant operation;  Reduce air and surface water pollution from emissions and discharges from plant	RD;  Environment Protection Agency
Safety of labor	- provision of Special Clothes and protective means for the contractors - Consistency with the rules of exploitation of the construction equipment and usage of private safety means	Construction site	Inspection of the activities	the whole construction period	reduce the probability of accidents	RD



## Operation Phase

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?)
Cleaning road surface and shoulders from waste	Trash deposited from moving vehicles timely collected and removed;  Bodies of animals overrun by vehicles timely collected and removed	Carriageway and shoulders of the road section	Inspection	Quarterly	Prevent road littering;  Road safety	Local municipality
Keeping road drainage system operational	Periodic cleaning of drainageditches from silt and trash	Drainage system long the road section	Inspection	Quarterly	Maintaining drainage system capacity for preventing road flooding and water damage	Local municipality
Confinement of accidental spills and clean-up	Timely confinement, deactivation, and removal of liquid or powder spills of cargo in case of road accidents	On the road and its immediate surroundings	Inspection	Upon occurrence of accidents, as required	Prevent pollution of soil and water	Traffic Police;  Local municipality
Disposal of waste from regular road maintenance works	Collection and timely disposal of waste from maintenance works to the designated landfill	On the road and its immediate surroundings	Inspection	Towards completion of scheduled maintenance works	Prevent environment pollution	Local municipality



Attachment 1: Consultation meeting minutes

***Ministry of Regional Development and Infrastructure of Georgia  
Roads Department of Georgia***

**Minutes**  
*of Public Consultation Meeting at Gejeti  
on Environmental Management Plan for Rehabilitation works  
of Nosiri-Gejeti-Nokalakevi Road*

Public consultation on Environmental Management Plan for the Rehabilitation of *Secondary* road Nosiri-Gejeti-Nokalakevi km 6+520 - km 11+520 was held on 10 august 2012 at Gejeti Municipality. The goal of the public discussion was to inform the local communities about the purpose of the upcoming works, their timeline; temporary inconvenience expected from the construction works; and planned measures for mitigating the negative environmental impact.

Local stakeholders had possibility to ask questions and express their opinion during the public discussion, so that their comments could have been considered in the final version of the Environmental Management Plan.

Representatives of the Roads Department of Georgia included Otar Khatiashvili and Luiza Bubashvili

The public meeting was attended by the population of village Gejeti (see attachment).

Mr. Otar Khatiashvili and Luisa Bubashvili informed attendees about the Environmental Management Plan of rehabilitation works under Secondary and Local Roads project.



Mr. Otar Khatiashvili opened the meeting and informed attendees about the roads construction on the territory of municipality, also was discussed the meaning of Secondary and Local Roads rehabilitation project for Georgian economic development.

Mrs. Luisa Bubashvili made a presentation of Environmental Management Plan. She covered the scope of planned works, their possible impact on the natural environment and human health. Also was overviewed mitigation measures proposed to reduce negative environmental impacts of the project in the construction and operation phases.

Guram Vakhtangashvili

Deputy Chairman, Roads Departments of Georgia (signed and sealed)

Staff of the Roads Department of Georgia:

Otar Khatiashvili (signed)

Luiza Bubashvili (signed)



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Attachment 2: Waste disposal permit

  
**საქართველო**  
სამინისტროს მუნიციპალიტეტის  
ტერიტორიული ორგანო სოფელ გეგემში

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№ 164 26 სექტემბერი 2012 წ.


სს "არქეოპოლისი"-ს დირექტორს  
ბატონ დავით გვარამიას

თქვენი 2012 წლის 24 სექტემბრის № 184-2 წერილის პასუხად გაცნობებთ, რომ  
სენაკის მუნიციპალიტეტის ტერიტორიული ორგანოს რწმუნებული სოფელ გეგემში  
თანახმა შიდასახელმწიფოებრივი მნიშვნელობის ნოსირო-გეგეთი-ნოქაძეაქვის ს/გზის  
კმ 6+520 - კმ 11+520 მონაკვეთის სარეაბილიტაციო სამუშაოებზე სამშენებლო  
ნარჩენებისა და ამოღებული გრუნტის ნაყარისთვის გამოიყოს შესაფერისი ადგილი  
სოფელ გეგემში, სააღასანიოს უბანში, მშენებარე გზიდან 620 მეტრში, აკ 22+22-ზე.  
თანდართული სქემის მიხედვით.

პატივისცემით,

:

წმენდის სისტემის გეგემში:  ზ. ბეგალავა







Attachment 3: Quarry License



საქართველო  
ეკონომიკური განვითარების სამინისტრო  
სასარგებლო წიაღისეულის მოპოვების ლიცენზია  
ნომერი 100271

ლიცენზიის უწყებრივ სალიცენზიო რეესტრში გატარების თარიღი

20 08 წლის 14 ნოემბერი

გაცემულია ს.ს. „სახელოვანზე“  
ურთიდული ან ფინიკური პირის დასახელება, ვისზედაც გაიცა ლიცენზია,  
შინაიკეები მის შესახებ.

(ხევისციხისებრიან მხვიარა მდინარის სავადასახაიო  
სარგებლოს შიშობელი მისანი  
იშპ-საქაბანო 11.01.1996წ., პე 56/5-6,  
ს/ნ 239862038)

მ.ს. ტყეების ქონს, ხეების მოპოვების მიზნით  
სადაც ხ-ნში, სოფ. ძეგო სრავის ტერიტორიაზე  
წიაღის უბნის ადგილმდებარეობის ქადაკის, რაიონის, სოფლის დასახელება

და აღასტურებს მისი მფლობელის უფლებას წიაღით სარგებლობაზე,  
ლიცენზიის თანდართულ ტოპოგრაფიულ გეგმაზე დატანილი NN (1-ტბ-1.68პ:  
1,2,3,4 და 1 ; (1-ტბ-1.68პ) 1,2,3,4,5 და 1

წერტილზე გამავალი სამთო/გეოლოგიური მინაკუთენის კონტურის შიგნით,  
ნამოთვლილი წერტილების X,Y,H ზედა და H ქვედა კოორდინატების ცხრილი

წარმოდგენილია ლიცენზიის თანდართულ ტოპოგრაფიულ გეგმაზე.

სამთო/გეოლოგიური მინაკუთენის ფართობი გეგმაზე \_\_\_\_\_

საბო მთელი ოცდაათი წელი ტესტირება \_\_\_\_\_ კვტარი.



სამოს/გეოლოგიური მინაკუთვის მოცულობა \_\_\_\_\_  
 \_\_\_\_\_ კუბური მეტრია.

სამოს/გეოლოგიურ მინაკუთვნი მოქცეული  
 \_\_\_\_\_  
 საბრუნველად, \_\_\_\_\_ სვეტის და სტ.

რთველობა/მოცულობა \_\_\_\_\_ კუბური მეტრია.  
 გადასახსნელი ქვების მოცულობა \_\_\_\_\_ კუბური მეტრია.

გადასხმის კოეფიციენტი \_\_\_\_\_

წილით სარგებლობის ინიციალს *საქართველოს ვახუშტის სახელობის*  
*საქართველოს საბრუნველ სასარგებლო წილის აქტი*

*და ჰორეჯინი ხელოვნური სპონსორების*  
*საქართველოს საბრუნველ სასარგებლო წილის აქტი*

20.08 წლის 31.04 N 05-16/2406 შეთანხმების საფუძველზე  
 დაწესებული მიწის მინაკუთვი საერთო ფართობი 3,36 კ.ა.  
 ლიცენზიით გათვალისწინებული საქმიანობისთვის განსაზღვრული მიწის  
 მინაკუთვი გამოსახულია ლიცენზიაზე დაბრუნდ K-38-61-A-6  
 ნომერქვეშა ტერიტორიაზე ტოპოგრაფიის ჩაწერის  
 შემთხვევაში N 1:20000 და 1:20000 და  
 წარტელებზე გამოვლილი კონტურით და მისი ფართობი შეადგენს 3,36 კ.ა.  
 ლიცენზიით გათვალისწინებული საქმიანობის დაწყების უფლება  
 2008 წლის 10 თებერვალი  
 ლიცენზია მოქმედი სვია წლის განმავლობაში

წილით სარგებლობის საშუალება წარმოებაში

პარტიკულარები არაა

მისაკრებელი წილით სარგებლობისთვის  
*„ჰორეჯინი ხელოვნური სპონსორების მოხაზუბ-  
 ების შესახებ“ საქართველოს კანონის შესაბამისად*

ა) წილით სარგებლობის პარტიკულარები

მინისგული \_\_\_\_\_  
 მქონისგული \_\_\_\_\_  
 შენახულობა *ქვემო, ხეობის ჯამბოჯი მოპოვება - 1000 000 ზ3*

ბ) წარმოებული სასაქონლო პროდუქცია \_\_\_\_\_  
 მინისგული \_\_\_\_\_  
 მქონისგული \_\_\_\_\_  
 შენახულობა \_\_\_\_\_  
*ქვემო ხეობის საქართველოს ეკონომიკური  
 განვითარების მინისტრის 2008 წლის 10  
 თებერვის N 1-1/2500 შეთანხმების საფუძველზე*

საქართველოს ეკონომიკური განვითარების მინისტრის  
 განკარგულებაშია

ს. თორთაძე  
 ეკონომიკური განვითარების მინისტრის მოადგილე