

**ROAD DEPARTMENT OF GEORGIAN MINISTRY OF REGIONAL  
DEVELOPMENT AND INFRASTRUCTURE**



**Environmental and Social Management Plan**

**REHABILITATION OF SECONDARY  
(S-173) Arkhiloskalo-Samtatskaro (Azerbaijan border)  
Road section km 0-km 6 L= 6 km**

**Tbilisi, Georgia**

**2019**

## PART I: GENERAL PROJECT AND SITE INFORMATION

INSTITUTIONAL & ADMINISTRATIVE																																								
Country	Georgia																																							
Project title	Rehabilitation of secondary road S-173, Arkhiloskalo-Samtatskaro (Azerbaijan border), section km 0 - km 6																																							
Scope of project and activity	<p>The asphalt-concrete layer of the proposed road section is damaged. The thickness of the road varies between 5-8 cm. In some sections, previous repair works are observed. In some sections, asphalt/concrete layer is fragmental and traffic flows on gravel layer.</p> <p>Asphalt/concrete pavement of existing road is quite damaged, narrowed and entirely cracked, there are holes, and edges are smashed.</p> <p>Existing road crosses irrigation channel covered by r/c slabs and should be repaired during the rehabilitation works. Irrigation channel has trapezoidal section, covered by pre-cast concrete slabs.</p> <p>There are no traffic signs at the proposed road section. Only one informational traffic sign can be found, which will be replaced during the rehabilitation of the proposed road section.</p> <p>Major part of road locates on shelf, height of its down slope is h=10-15m, respectively, road fencing is necessary.</p> <p>The road section is going through unpopulated territories. There is no need to arrange sidewalks and pedestrian paths.</p> <p>There are 5 junctions on proposed road section for rehabilitation works. The rehabilitation of the pavement and installation of the new metal pipes will be considered.</p> <p>Design Decision Table</p> <table border="1"> <thead> <tr> <th>No.</th> <th>Classification</th> <th>Design Result</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Rehabilitation Length (km)</td> <td>6.006 Km</td> </tr> <tr> <td>2</td> <td>Design Speed (km/hr)</td> <td>40.0 Km/h</td> </tr> <tr> <td>3</td> <td>Carriageway Width (m)</td> <td>6 m</td> </tr> <tr> <td>4</td> <td>Shoulder Width (m)</td> <td>0.5 ~ 1m</td> </tr> <tr> <td>5</td> <td>Cross-section (%)</td> <td>2.5 %</td> </tr> <tr> <td>6</td> <td>Pavement Thickness (cm)</td> <td>Asphalt surface -4 Asphalt base course- 6</td> </tr> <tr> <td>7</td> <td>Culverts (Unit)</td> <td>20 units</td> </tr> <tr> <td>8</td> <td>Bus Stop (Unit)</td> <td>-----</td> </tr> <tr> <td>9</td> <td>Junctions (Unit)</td> <td>5 units</td> </tr> <tr> <td>10</td> <td>Yard Entrance (Unit)</td> <td>-----</td> </tr> <tr> <td>11</td> <td>Construction period (Month)</td> <td>6 months</td> </tr> </tbody> </table>				No.	Classification	Design Result	1	Rehabilitation Length (km)	6.006 Km	2	Design Speed (km/hr)	40.0 Km/h	3	Carriageway Width (m)	6 m	4	Shoulder Width (m)	0.5 ~ 1m	5	Cross-section (%)	2.5 %	6	Pavement Thickness (cm)	Asphalt surface -4 Asphalt base course- 6	7	Culverts (Unit)	20 units	8	Bus Stop (Unit)	-----	9	Junctions (Unit)	5 units	10	Yard Entrance (Unit)	-----	11	Construction period (Month)	6 months
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Supervision arrangements (Name and position)	WB (Project Team Leader) <b>Natalya Stankevich</b>	Project Management <b>Giorgi Tsereteli</b>	Local Counterpart and/or Recipient Dedoplistskaro Municipality																																					
Implementation arrangements (Name and position)	WB Safeguard Supervision <b>Darejan Kapanadze</b> Environment <b>David Jijelava,</b> Social	Local Counterpart Supervision Technical Supervisor LtD “Roads Rehabilitation and Modernization Supervision Direction” Merab Jishiashvili	Local Inspectorate Supervision -	Contractor <b>LtD “Serpantini”</b>																																				

SITE DESCRIPTION																																				
Name of site	S-173, Arkhiloskalo-Samtatskaro (Azerbaijan border), Secondary Road section km 0 - km 6																																			
Describe site location	Rehabilitation road is located on North slope of Gombori mountain, with inclination 450-500. Landscape is rugged, road is crossed by adjacent ravines. Layers, located on frontal surface of adjacent sections of earthwork are clay-loam conglomerate, easily subjected to surface erosion processes, stipulating exhaustion of clay-loam conglomerates.																																			
Who owns the land?	(i) The existing ROW is owned by Dedoplistskaro municipality; (ii) State Forest Fund under the LEPL National Forest Agency of the Ministry of Environment Protection and Agriculture of Georgia (14,030 m2). The territory had been de-listed from the State Forest Fund; (iii) The investment will not conduct any widening or realignment that may cause impact on private lands or assets.																																			
Description of geographic, physical, biological, geological, hydrographic and socio-economic context	<p><b>Location:</b> The project road is located in Kakheti region in Dedoflistskaro Municipality, Georgia. 6km, road connects regions main road through Dedoplistskaro to Azerbaijan borde.</p> <p><b>Air</b> - Air quality in the subproject area is good due to low traffic levels and the absence of industrial facilities.</p> <p><b>Water and Soil</b> - No pollution is reported.</p> <p><b>Flora</b> - On the above-mentioned territory following tree species are registered.</p> <table border="1"> <thead> <tr> <th colspan="2">Species</th> <th rowspan="2">number of trees</th> </tr> <tr> <th>English name</th> <th>Latin</th> </tr> </thead> <tbody> <tr> <td>Hawthorn</td> <td>Crataegus microphylla</td> <td>28</td> </tr> <tr> <td>Acacia</td> <td>Celtis dlabrata</td> <td>14</td> </tr> <tr> <td>Oak</td> <td>Quercus iberica</td> <td>4</td> </tr> <tr> <td>Ash tree</td> <td>Fraxinus excelsior</td> <td>11</td> </tr> <tr> <td>Aspen</td> <td>Populus alba</td> <td>1</td> </tr> <tr> <td>Maple</td> <td>Acer campestre</td> <td>2</td> </tr> <tr> <td>White Mulberry</td> <td>Morus alba</td> <td>8</td> </tr> <tr> <td>Fig</td> <td>Ficus carica</td> <td>13</td> </tr> <tr> <td>Willow</td> <td>Salix magnifica</td> <td>7</td> </tr> <tr> <td>Walnut</td> <td>Juglans regia</td> <td>7</td> </tr> </tbody> </table> <p>These species had been located on the territory managed by the LEPL National Forest Agency of the Ministry of Environment Protection and Agriculture of Georgia. The Red Listed species do not occur.</p> <p><b>Fauna</b> - The road section passes through the degraded territory and accordingly the fauna is not reach. Mostly fauna is presented by the species which does not need any special protecting measures. Due to the small area of the project the impact on the fauna will be minimal.</p> <p><b>Noise</b> - The current noise level is low due to low traffic levels and a lack of industrial facilities.</p> <p>Construction activities will have modest impact on those people who reside in existing villages (immediately along the road) and this impact will be limited to the rehabilitation phase.</p> <p><b>Social</b> - Total number of subproject beneficiaries in a 2km buffer zone of the section is 2 villages with a total of 2017 population. Population density for the project is 336.</p>	Species		number of trees	English name	Latin	Hawthorn	Crataegus microphylla	28	Acacia	Celtis dlabrata	14	Oak	Quercus iberica	4	Ash tree	Fraxinus excelsior	11	Aspen	Populus alba	1	Maple	Acer campestre	2	White Mulberry	Morus alba	8	Fig	Ficus carica	13	Willow	Salix magnifica	7	Walnut	Juglans regia	7
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Locations and distance for material sourcing, especially inert aggregates, water, stones	Contractor may choose to operate quarry located in Lagodekhi Municipality, Village Kabala 100 km away.																																			
LEGISLATION																																				
Identify national & local legislation & permits that apply to project activity	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 ESMP has been prepared to meet requirements of OP/BP 4.01. Georgian legislation does not require any type of environmental review, approval, or permitting for the project. Though according to the national regulatory system,																																			

	<ul style="list-style-type: none"> <li>(i) Contractor company must be licensed,</li> <li>(ii) Construction materials must be obtained from licensed providers,</li> <li>(iii) Once contractor wishes to open quarries, then the contractor must obtain respective license.</li> <li>(iv) If, in time of rehabilitation, contractor wishes to operate own asphalt or concrete (Or both) plants, he should have permission regarding specified limited level of pollutant substances in exhaust.</li> <li>(v) Disposal of the construction waste and excess ground generated in the course of earth works shall be placed in selected locations agreed and approved by local governing bodies in written.</li> <li>(vi) Land plots along the road required for undertaking of planned works were subject to de-listing from the Territory of the State Forest Fund and transfer to the Road Department. The process is Finished.</li> </ul>
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#### GRIEVANCE REDRESS MECHANISM

A grievance redress mechanism will be available to allow an AP appealing any decision on which they disagree; The APs should be informed about the available GRM. This could be achieved through distributing brochures and relevant information provided and announced. Beside this, contact information will be placed on the public visible places – such as information desks in relevant municipalities, billboards, and other. The APs can apply to GRM during project preparation, implementation and operation phases.

After ESMP approval, Georgian versions of document with attachments will be sent to local municipality, which includes contact information and grievance submission form, as well as information about grievance redress mechanism and response timeline.

APs will be fully informed of their rights and of the procedures for addressing complaints whether verbally or in writing during pre-contracting, construction and operation periods. Care will always be taken to prevent grievances rather than going through a redress process

Dedoplistskaro Municipality have assigned a responsible person:

Avtandil Tetrauli T:599965573 [Tetrauliavtandil@gmail.com](mailto:Tetrauliavtandil@gmail.com)

The Contact Person collects and records the grievances in special log.

If the grievance will not be unsolved at the local level, it will be lodged to the RDMRDI. For any information and advice, RD nominated following persons:

Road Department of RDMRDI: 12 Kazbegi str., Tbilisi, Georgia

2. Mariam Begiashvili - Social safeguards Consultant

Mobile Phone 577 74 40 88; 555 400 205; e-mail: [mbegiashvili2@gmail.com](mailto:mbegiashvili2@gmail.com)

3. Maya Vashakidze – Environmental safeguards consultant;

Mobile Phone: 593 32 30 77 e-mail: [maya\\_vashakidze@yahoo.co.uk](mailto:maya_vashakidze@yahoo.co.uk)

Grievance Redress Commission (GRCN) is formed by the order of the Head of RDMRDI as a permanently functional informal structure, engaging personnel of RDMRDI from all departments. This includes top management, Safeguards, Legal Departments, PR department and other relevant departments (depending on specific structure of the IA).

If the RDMRDI decision fails to satisfy the aggrieved APs, they can pursue further action by submitting their case to the appropriate court of law (Rayon Court) without any reprisal.

#### PUBLIC CONSULTATION

Identify when / where the public consultation process shall take place	<p>Environmental Management Framework for the Secondary and Local Roads Project III was disclosed through the RDMRDI web page and a stakeholder consultation meeting was held on 11/04/2014. <a href="http://www.georoad.ge/uploads/files/SLRP_III_ESMF_April%203_WBcomments47.pdf">http://www.georoad.ge/uploads/files/SLRP_III_ESMF_April%203_WBcomments47.pdf</a></p> <p>Present draft ESMP was posted on the RDMRDI website and its printed versions was provided to Dedoplistskaro Municipality. Public consultation on the draft ESMP was held in Arkhiloskalo municipality on July 9,2018. The Minutes of public consultation are attached to this document</p>
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#### ATTACHMENTS

- Attachment 1: Site map;
- Attachment 2: Minutes of public consultation on the draft ESMP;
- Attachment 3: Waste disposal agreement;
- Attachment 4: Borrowing license;
- Attachment 5: Asphalt plant operation agreement

**PART II: SAFEGUARDS SCREENING AND TRIGGERS**

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

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<sup>1</sup> Land acquisition includes displacement of residents, change the way of life, this is concerning with land which was purchased/handed over and impact on persons living and/or unlawfully exist and or/performing business activities (Booths) on the land already purchased.

<sup>2</sup> Hazardous or toxic materials contain, but is not limited to: asbestos, toxic paints, hazardous dissolvent materials, removal of lead containing materials and etc.

## PART III: MITIGATION MEASURES

ACTIVITY	PARAMETER	MITIGATION MEASURES CHECKLIST
0. General Conditions	Notification and Worker Safety	<ul style="list-style-type: none"> <li>• The local construction and environment inspectorates and communities have been notified of upcoming activities</li> <li>• 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>• All legally required permits have been acquired for construction and/or rehabilitation</li> <li>• 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>• Workers' PPE will comply with international good practice (always hardhats, as needed masks and safety glasses, harnesses and safety boots)</li> <li>• 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>• During excavation works dust control measures shall be employed, e.g. by spraying and moistening the ground</li> <li>• Demolition debris, excavated soil and aggregates shall be kept in controlled area and sprayed with water mist to reduce debris dust</li> <li>• 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>• The surrounding environment (sidewalks, roads) shall be kept free of soil and debris to minimize dust</li> <li>• There will be no open burning of construction / waste material at the site</li> <li>• All machinery will fit emission originating regulations, 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>• Construction noise will be limited to restricted times agreed to in the permit</li> <li>• 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	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
	Waste management	<ul style="list-style-type: none"> <li>• Waste collection and disposal pathways and sites will be identified for all major waste types expected from excavation, demolition and construction activities.</li> <li>• 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>• Construction waste will be collected and disposed by licensed company</li> <li>• In order to control waste disposal accuracy and compliance, waste disposal reports shall be done</li> <li>• 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>• 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; contractor should obtain all necessary licenses and permits for water extraction and for further pouring out of used water in state current water system</li> </ul>

		<ul style="list-style-type: none"> <li>• 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>• There will be procedures for prevention of and response to accidental spills of fuels, lubricants and other toxic or noxious substances.</li> <li>• Construction vehicles and machinery will be washed only in designated areas where runoff will not pollute natural surface water bodies.</li> </ul>
C. Historic building (s)	Cultural Heritage	<ul style="list-style-type: none"> <li>○ If construction works takes place to designated historic structures or are located in a designated historic district, notification shall be made and approval/permits be obtained from local authorities and all construction activities planned and carried out in line with local and national regulation</li> <li>• 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 work activities delayed or account for such finds</li> </ul>
D. Acquisition of land	Land Acquisition Plan/Framework	<ul style="list-style-type: none"> <li>• 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, do not enter the site, take works on hold and immediately inform the Employer.</li> <li>• Enter the site / resume works only upon formal notification from the Employer on the completion of compensation to the affected individuals/households.</li> </ul>
E. Toxic materials	Asbestos management	<ul style="list-style-type: none"> <li>• If asbestos is located on the project site, it shall be marked clearly as hazardous material</li> <li>• When possible of asbestos will be appropriately contained and sealed to minimize exposure</li> <li>• Asbestos prior to removal (If necessary) will be treated with a wetting agent to minimize asbestos dust</li> <li>• Asbestos will be handed and disposed by skilled &amp; experienced professionals</li> <li>• If asbestos material is stored temporarily, the waste should be securely enclosed inside closed container and marked appropriately. Security measures will be taken against unauthorized removal from the site.</li> <li>• f) Removal of asbestos will not be reused</li> </ul>
	Toxic / hazardous waste management	<ul style="list-style-type: none"> <li>• Temporarily storage on site of all hazardous or toxic substances will be in safe containers labeled with details of composition, properties and handling information</li> <li>• Containers of hazardous substances shall be placed in a leak-proof container to prevent spillage</li> <li>• Waste shall be transported by specially licensed carriers and disposed in licensed facility</li> <li>• d) Paints with toxic ingredients or solvents or lead-based paints will not be used</li> </ul>
F. Affected forests, wetlands and/or protected areas	Ecosystem protection	<ul style="list-style-type: none"> <li>• Works within the territory of the State Forest Fund are disallowed prior to completion of de-listing and user right transfer to this territory from the National Forest Agency to the RD</li> <li>• Tree cutting must be held down to minimum by adjusting alignment of access roads, using small machinery or manual labor in individual locations, etc.</li> <li>• All trees that have to be extracted must be marked and their removal must be entered into tree-cutting ledger on daily basis</li> </ul>
G. Risk of unexploded ordinance (UXO)	Hazard to human health and safety	<ul style="list-style-type: none"> <li>a) Before to start any excavation activities, Contractor shall verify that the construction area has been checked and cleared regarding UXO by appropriate authorities</li> </ul>
H. Traffic and pedestrian safety	Direct or indirect hazards to public traffic and pedestrians by	<p>In compliance with national regulations, ensure 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"> <li>• Use signposting, warning signs, barriers and traffic diversions so that the work site is clearly visible, and the public warned of all potential</li> </ul>

	construction activities	<p>hazards</p> <ul style="list-style-type: none"> <li>• Apply traffic management system and train staff, especially for site access and near-site heavy traffic; provide safe passages and crossings for pedestrians where construction traffic interferes.</li> <li>• Adjust working hours to local traffic patterns, e.g. avoid major transport activities during rush hours or times of livestock movement</li> <li>• If required, undertake active traffic management by trained and visible staff at the site for safe passage for the public</li> <li>• If school children are in the vicinity, include traffic safety personnel to direct traffic during school hours</li> <li>• Ensure safe and continuous access to all adjacent office facilities, shops and residences during construction</li> </ul>
I. Impacts on land and property use	Limited/lost access to the land	<ul style="list-style-type: none"> <li>• Ensure provision of undisturbed and safe access to homes, lands and other assets of the local population;</li> <li>• Plan road works to maintain undisturbed access to land and assets of the local population by planning and implementing works and activities in coordination with residents and representatives of the local community.</li> </ul>
	Temporary impact on privately-owned assets	<ul style="list-style-type: none"> <li>• Avoid trespassing or incidentally damaging of private property (using small-size machinery or manual labor near walls and fences, stockpiling of construction material and waste away from private property; etc.);</li> <li>• In case of unintended damage to private property, quickly restore it to the original or better status;</li> <li>• In case of expected temporary impact on privately-owned property, inform owners upfront and guarantee restoration, acquire written consent of owners for intervention, and promptly restore the damage to the original or better status;</li> <li>• If an unexpected need for land take emerges in the course of works, do not enter the affected site prior to development and full implementation of the Resettlement Action Plan by RD</li> </ul>
	Loss of income or assets caused by unauthorized intervention, occupation of territory outside of ROW	<ul style="list-style-type: none"> <li>• Avoid unauthorized intervention of territory outside of ROW;</li> <li>• If such impact occurs by negligence of the construction company workers, record the case/claim; assess the loss and negotiate with an affected owner based on the adopted principles and valuation methodology described in the RAP and provide fair cash compensation at the Company's own cost;</li> <li>• Apply GRM procedures if the case is unresolved through negotiation.</li> </ul>
J. Social risk management	Public relationship management	<ul style="list-style-type: none"> <li>• Assign local liaison person within Contractor's team to be in charge of communication with and receiving requests/ complaints from local population</li> <li>• Consult local communities to identify and proactively manage potential conflicts between an external workforce and local people</li> <li>• Raise local community awareness about sexually transmitted disease risks associated with the presence of an external workforce and include local communities in awareness activities.</li> <li>• Inform the population about construction and work schedules, interruption of services, traffic detour routes and provisional bus routes, blasting and demolition, as appropriate.</li> <li>• Limit construction activities at night. When necessary ensure that night work is carefully scheduled and the community is properly informed so they can take necessary measures.</li> <li>• At least five days in advance of any service interruption (including water, electricity, telephone, bus routes), advice community through postings at the work site, at bus stops, and in affected homes/businesses.</li> <li>• Address concerns raised through Grievance Redress Mechanism established by the Employer within the designated timeline within the scope of Contractor's liability</li> <li>• To the extent possible, work camps should not be located in close proximity to local communities</li> <li>• Siting and operation of worker camps should be undertaken in consultation with neighboring communities</li> </ul>

	Labor management	<ul style="list-style-type: none"><li>• The Contractor will recruit unskilled or semi-skilled workers from local communities to the extent possible. Where and when feasible, worker skills training, should be provided to enhance participation of local people.</li><li>• The Contractor will provide adequate lavatory facilities (toilets and washing areas) in the work site with adequate supplies of hot and cold running water, soap, and hand drying devices. A temporary septic tank system should be established for any residential labor camp and without causing pollution of nearby watercourses</li><li>• The Contractor will raise awareness of workers on overall relationship management with local population, establish the code of conduct in line with international practice and strictly enforce them, including the dismissal of workers and financial penalties of adequate scale</li></ul>
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## PART IV: 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)
Works in the forested territory	No physical activity takes place in the territory of the State Forest Fund until de-listing and user right transfer procedures are complete  Movement of construction vehicles and machinery, storage, or other activities do not damage and cause cutting of trees unless tree extraction is required for arranging road surface and shoulders  Trees that must be extracted are labeled prior to removal and each extracted tree is entered into the tree cutting ledger (species and diameter identified)	Work site within forested territory  Construction contractor's office	Checking documents  Visual observation	Prior and in the course of works within the forested territory	Ensure compliance with the national legislation;  Minimize impact on forested area;  Facilitate procedure of hand over of logs generated through tree cutting	RD  LEPL National Forest Agency of the Ministry of Environment Protection and Agriculture
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;	RD

	<ul style="list-style-type: none"> <li>no damage to trees and other vegetation what does not need to be created for the purposes for road construction</li> </ul>				Reduce noise and dust nuisance to local population	
Servicing of construction machinery	<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>	Construction site and construction base (if applicable)	Inspection	Entire period of machinery operation	<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>	RD
Extraction of natural construction material	<p>Purchase of natural construction 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>	Borrow areas	<p>Checking documents</p> <p>Inspection of activities</p>	The period of material extraction	<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>LEPL National Agency of Mines of the Ministry of Economy and Sustainable Development of Georgia</p>
Generation of construction waste	<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</p>	<p>Construction site and base (if applicable);</p> <p>Locations designated for waste disposal</p>	<p>Checking documents;</p> <p>Visual observation</p>	Entire period of construction	Avoid pollution of the environment	<p>RD;</p> <p>Dedoplistkaro Municipality</p>

	and processing companies.					
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;  Dedoplistkaro 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;  LEPL National Environment Agency of the Ministry of Environment Protection and Agriculture
Safety of labor	Provision of standard sanitary conditions at work camp/base, including access to potable water and toilets equipped with septic tanks;  Provision of uniforms and personal protective gear to workers and enforcement of their use;  Consistency with the rules of exploitation of the construction equipment and machinery	Construction site	Inspection of the activities	Entire period of construction	Reduce the probability of accidents	RD
Works near privately-owned land, buildings and other assets	Avoid trespassing or incidentally damaging of private property (using small-size machinery or manual labor near walls and fences, stockpiling of construction material and waste away from private property; etc.);  In case of unintended damage to private property, quickly restore it to the original or better status;  In case of expected temporary impact on privately-	Within the RoW	Permanent monitoring of impacts on the privately-owned land or other assets	Entire period of construction	To avoid any impact on private lands or assets	RD

	<p>owned property, inform owners upfront and guarantee restoration, acquire written consent of owners for intervention, and promptly restore the damage to the original or better status;</p> <p>If an unexpected need for land take emerges in the course of works, do not enter the affected site prior to development and full implementation of the Resettlement Action Plan by RD.</p>					
Community liaison	<p>Community liaison person assigned with clear set of responsibilities;</p> <p>Affected communities informed on the ongoing works, their scope and timing;</p> <p>Affected communities are given timely notice on any interruption in the provision of utility services due to construction;</p> <p>Contact information of Contractor posted in well-observed points along the construction site and work base;</p> <p>Grievance Redress Mechanism is set up, operates, and is supported by relevant record-keeping arrangements.</p>	Contractor's work base	Permanent monitoring and express checks in case of complaints from project-affected communities	Entire period of construction	Minimize nuisance of project-affected communities	RD

## Operation Phase

<b>Activity</b>	<b>What</b> (Is the parameter to be monitored?)	<b>Where</b> (Is the parameter to be monitored?)	<b>How</b> (Is the parameter to be monitored?)	<b>When</b> (Define the frequency / or continuous?)	<b>Why</b> (Is the parameter being monitored?)	<b>Who</b> (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	Dedoplistkaro 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	Dedoplistkaro 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 occurence of accidents, as required	Prevent pollution of soil and water	Traffic Police;  Dedoplistkaro 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 enviornment pollution	Dedoplistkaro Municipality



Attachment 2:

MINUTES

Of public consultation meeting on Environmental and Social Management plan for  
Rehabilitation of Secondary (S-173) Arkhiloskalo-Samtatskaro (Azerbaijan border)

09.07.2018

Arkhiloskalo Municipality

*Chairman of meeting* - Maya Vashakidze, Environmental Safeguards Consultant at the Roads  
Department of Georgia

*Secretary of meeting* – Rusudan Elizbarashvili, Specialist at the Environmental Division of the Roads  
Department of Georgia

*Speakers:* Maya Vashakidze

*Attendees of the Meeting:* See attachment 1

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 expected 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 and Social Management Plan.

Ms. Rusudan Elizbarashvili, Specialist at the Environment Protection Division and Ms. Maya Vashakidze, Environmental Safeguards Consultant were representatives of the Roads Department of Georgia.

Ms. Maya Vashakidze opened the meeting and informed attendees about meaning of Secondary and Local Roads Project for Georgian economic development, also presented the Environmental and Social Management Plan of Rehabilitation works under Secondary and Local Roads Project. She covered the scope of planned works, their possible impact on the natural environment and human health. Also it was overviewed proposed mitigation measures to reduce negative environmental impacts of the project in the construction and operation phases.

№	Questions	Answers
1.	When will the rehabilitation works of the	The rehabilitation works will start as soon as the tender will be announced and the winner

	road start?	will be contracted
2.	Does the noise disturb the local population during the rehabilitation works?	The Roads Department will implement mitigation measures to prevent the noise and vibration disturbance during the rehabilitation works;  In addition, it is required to follow the restrictions of the working activities during the non-working hours. The contractor will work during the daytime (from 07:00 am to 07:00 pm), which will be monitored by the supervisor and the Roads Department.
3.	How the dust problem be reduced during the rehabilitation works?	The company who will be implementing the rehabilitation works will be obliged to water the site to prevent dust prevention
4.	Will the appropriated safety standards fulfilled?	The construction company will be obliged to follow the WB safety standards

Representatives of Roads Department of Georgia:

Maya Vashakidze

(signed)

Rusudan Elizbarashvili

(signed)

ს. მხედომია

მონაწილეთა სია

09.07.2018

№	სახელი და გვარი	საკონტაქტო ინფორმაცია	ხელმოწერა
	ქელა შანიძე	558-23-99-45	
	კოჩა შანიძე	599-46-14-77	
	მაცხაშვი ანანოძე	555-92-98-16	
	სქვანაძე ნოდარ	557-00-30-34	
	დათი ყვარცხაძე	555-24-51-73	
	ხმანდანი სურგულაძე	599 53 61 75	
	ალექსანდრე ქაიანი	555-222-145	

№	სახელი და გვარი	საკონტაქტო ინფორმაცია	ხელმოწერა
	თაბაჩა ხორეჯანიძე	555 208235	თ. ხ.
	ვალიაძე ანაბერიძე	599 855923	ვ. ა.
	ფრიდონ ჯეჯელაძე	599-12-56-57	ფ. ჯ.
	ბერიძე შოთაძე	558-33-98-49	ბ. შ.
	გაბრიელა ნიკიტიძე	593-71-52-74	<del>გ. ნ.</del>
	ჭყელიძე გიორგი	558-56-26-10	გ. ჭ.
	ლეონიდაძე იმედი	558 33-98-36	ლ. ი.

მონაწილეთა სია

კონკლუსიული

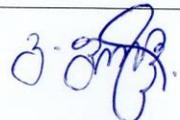
09.07.2018

№	სახელი და გვარი	საკონტაქტო ინფორმაცია	ხელმოწერა
	ქაიო მილიან	599 56 51 37	
	ანტონ გრიგორიან	599 31 93 07	
	ქაიო მახარაძე	555 300 450	
	ნიკოლოზ ხანიშვილი	568 434141	
	მიხეილ ხუციშვილი	598 3311 07	
	გიორგიან ნიკოლოზი	597-92-61-04	გ.ბ.ჯ
	ვანა კეცელიძე	577-38-10-89	3 (3) 

მონაწილეთა სია

ინსტიტუტი

09.07.2018

№	სახელი და გვარი	საკონტაქტო ინფორმაცია	ხელმოწერა
	კიო ფუცყაძე	577-21-63-56	
	ვასილი ჩოყოძე	55151 43 52	
	ეპორა ჭიათურა	599384950	
	თაჩი ჭიათურა	593-92-25-93	
	ბიძგიანი დიმიტრი	595-14-50-41	
	ქოსია ლევანთაძე	599 05 59 60	
	ბიძგიანი ნიკოლა	598-14-36-28	

აიხილოსეა კომ

მონაწილეთა სია

09.07.2018

№	სახელი და გვარი	საკონტაქტო ინფორმაცია	ხელმოწერა
	დავით შიშინაძე	577 537 924	დ. შიშინაძე
	იურიდიკი შიშინაძე	557 -40-45-44	კ. შიშინაძე

Attachment 3: Waste disposal agreement



სიღნაღის მუნიციპალიტეტის მერია

საქართველო, 4200, ქ. სიღნაღი, დ.აღმაშენებლის მ.2

Davit Aghmashenebeli square, Signagi, 4200, Georgia

N 05/1113  
01/03/2019

ტელ: 0355-23-21-63

Tel: 0355-23-21-63

1113-05-2-201903011130



შ.პ.ს. საგზაო სამშენებლო კომპანია „სერპანტინი“-ს  
დირექტორს ბ-ნ. ზურაბ ფეიქრიშვილს

ბატონო ზურაბ,

სიღნაღის მუნიციპალიტეტის მერიაში 2019 წლის 28 თებერვალს შემოსული თქვენი #1745/05 (გას #11/02-3) წერილის, რომელიც შეეხება ხორნაბუჯი-ერისიმედის და გუმბათი-ხირსა-ენამთა-სამთაწყარო-საბათლოს ს/გზების სარეაბილიტაციო სამუშაოებისთვის ნაგავსაყრელის გამოყოფას, პასუხად გაცნობებთ, რომ ნაგავსაყრელის გამოყენების პირობების დაცვით შეგიძლიათ ისარგებლოთ თბილისი-ბაკურციხე-ლაგოდეხის საავტომობილო გზის 130-ე კმ.-ში, გზის მარჯვენა მხარეს არსებული ნაგავსაყრელით.

პატივისცემით,

გიორგი გოგილაშვილი

მუნიციპალიტეტის მერი

სიღნაღის მუნიციპალიტეტის მერია



Attachment 4: Borrowing license

9/16/2016

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საქართველოს გარემოსა და ბუნებრივი რესურსების დაცვის სამინისტრო

საჯარო სამართლის იურიდიული პირი

გარემოს ეროვნული სააგენტო



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ბ რ ძ ა ნ ე ბ ა № 1520/ს

16 / სექტემბერი / 2016 წ.

შპს „საგზაო სამშენებლო-სარემონტო კომპანია ხერკანტინი“-ზე (ს/კ 231165529) სასარგებლო წიაღისეულის მოპოვების ლიცენზიის გაცემის შესახებ

„ლიცენზიებისა და ნებართვების შესახებ“ საქართველოს კანონის მე-5 მუხლის, მე-7 მუხლის პირველი პუნქტის, საქართველოს მთავრობის 2005 წლის 11 აგვისტოს №136 დადგენილებით დამტკიცებული „სასარგებლო წიაღისეულის მოპოვების ლიცენზიის გაცემის წესისა და პირობების შესახებ“ დებულების, „სარგებლობის ლიცენზიის გაცემის მიზნით აუქციონის გამართვის, სარგებლობის ლიცენზიის გაცემის საწყისი ფასის განსაზღვრისა და ანგარიშსწორების წესის შესახებ დებულების დამტკიცების თაობაზე“ საქართველოს ეკონომიკური განვითარების მინისტრის 2008 წლის 4 აპრილის №1-1/480 ბრძანების, 2016 წლის 7 აგვისტოს ჩატარებული ელექტრონული აუქციონის, აუქციონის შედეგად მე-4 ობიექტზე გამარჯვებული გახდა შპს „საგზაო სამშენებლო-სარემონტო კომპანია ხერკანტინი“ (158DQB416), ლიცენზიით გათვალისწინებული მოსაპოვებელი „დედოფლისწყაროს“ კირქვის (საკირე) ჯამური მოცულობა 463 040 ტონა, ლიცენზიის მოქმედების ვადა 15 წელი, ლიცენზიისათვის გადასადილი ფასი 28 820,00 ლარი შედეგებისა და სხვა - გარემოს ეროვნული სააგენტოს მიერ მომზადებული გეოსაინფორმაციო პაკეტის საფუძველზე.

ვ ბ რ ძ ა ნ ე ბ ა :

1. გაცეს შპს „საგზაო სამშენებლო-სარემონტო კომპანია ხერკანტინი“-ზე (ს/კ 231165529) ქ. დედოფლისწყაროს ტერიტორიაზე, „დედოფლისწყაროს“ კირქვის (უბანი ხევსურკა) მოპოვების მიზნით სასარგებლო წიაღისეულის მოპოვების ლიცენზია 15 წლის ვადით შემდეგი პირობების გათვალისწინებით:
  - ა) დაუწესდეს მიწისა და სამთო მინაკუთვნი (ფართობი 1,53 ჰა) დანართით განსაზღვრული X და Y კოორდინატების ფარგლებში;
  - ბ) „დედოფლისწყაროს“ კირქვის (საკირე) ჯამური მოცულობა ლიცენზიის მოქმედების პერიოდში განისაზღვროს 463 040 ტ-ის ოდენობით;
  - გ) სასარგებლო წიაღისეულის მოპოვება განხორციელდეს წინასწარ შედგენილი წიაღისეულის სარგებლობის პროექტის მიხედვით;
- დ) სასარგებლო წიაღისეულის მოპოვებისას დაუშვებელია ზურღვა-აფეთქებითი სამუშაოების ჩატარება;
- ე) ობიექტის დამუშავება მოხდეს ქვეყნის მიწის საერთაშორისო მიწის ნორმებისა და წესების დაცვით;
- ვ) ლიცენზიის მფლობელმა მოქალაქეებს არ შეუწოდოს სალიცენზიო ტერიტორიაზე გადაადგილების უფლება;
- ზ) ლიცენზიის მფლობელი ვალდებულია გასცეს თანხმობა სხვა სახელწიფო ქონების ეროვნული სააგენტო“-ს მიერ სალიცენზიო მიწის საკუთრის განკარგვის შესახებ;
- თ) ლიცენზიის მფლობელმა დაიცვას „ტექნიკური რეგლამენტების“ წიაღისეულის სარგებლობისა და ექსპორტული სალიცენზიო პირობების დაცვის შესახებ ანგარიშების (სამეცნიერო-სარეგულაციო ანგარიში) წესის, წიაღისეულის სარგებლობის

http://10.0.0.2/nom/files/GetFile?file\_id=20883370527861753813&obj\_name=A&OnlySessName=nom\_user\_sess\_&SessValue=T6YRpfBnzB0pHF3Y...

პროექტების, საბადოთა დაბუღავების ტექნოლოგიური ხელშეწყობისა და სასოფლო-სამეურნეო განვითარების გეგმების შედგენის წესისა და სტატისტიკური დაკვირვების ფორმების (№ 1-01, 1-02, 1-03, 1-04) დამტკიცების თაობაზე" საქართველოს მთავრობის 2014 წლის 4 აპრილის № 271 და „კარიერების უსაფრთხოების შესახებ ტექნიკური რეგლამენტის დამტკიცების თაობაზე" საქართველოს მთავრობის 2013 წლის 31 დეკემბრის № 450 დადგენილებებით გათვალისწინებული მოთხოვნები;

ი) ლიცენზიის მფლობელი ვალდებულია სასარგებლო წიაღისეულის მოპოვების დაწყებამდე შეადგინოს წიაღით სარგებლობის საპროექტო დოკუმენტაცია ამ ბრძანების პირველი პუნქტის „თ“ ქვეპუნქტში მოითხოვული ტექნიკური რეგლამენტის მოთხოვნების შესაბამისად;

კ) ლიცენზიის მფლობელმა ყოველწლიურად 1 აპრილიდან 1 მაისამდე ლიცენზიის გამცემ ორგანოსა და საქართველოს გარემოსა და ბუნებრივი რესურსების დაცვის სამინისტროს სასტრუქტურული საქმეებზე დაწესებულმა გარემოსდაცვითი ზედამხედველობის დეპარტამენტში წარადგინოს წერილობითი ანგარიშგება სალიცენზიო პირობების დაცვის შესახებ;

ლ) ლიცენზიის მფლობელი ვალდებულია ამ ბრძანების ჩაბარებიდან ერთი თვის ვადაში ლიცენზიის გამცემ ორგანოში დასამტკიცებლად წარადგინოს სასარგებლო წიაღისეულის ათვისების შესაბამისი გეგმა (ყოველწლიურად ასათვისებელი მოცულობის მითითებით);

მ) ლიცენზიის მფლობელმა შეასრულოს საქართველოს მოქმედი კანონმდებლობით დადგენილი მოთხოვნები, მათ შორის "გარემოს დაცვის შესახებ", "ბუნებრივი რესურსებით სარგებლობისათვის მოსაკრებლების შესახებ" და "წიაღის შესახებ", საქართველოს კანონებით და შესაბამისი კანონქვემდებარე აქტებით დადგენილი სხვა მოთხოვნები, ამასთან, „წიაღის შესახებ" საქართველოს კანონის მე-13 მუხლის პირველი პუნქტის „თ" ქვეპუნქტის შესაბამისად, წიაღით სარგებლობისას იმყოფიო მუცისორული ან ესთეტიკური ფასეულობის ობიექტების აღმოჩენის შემთხვევაში შეაჩეროს სამუშაოები და დაუყოვნებლივ აცნობოს ამის შესახებ შესაბამის სახელმწიფო ორგანოებს;

ნ) ლიცენზიის მფლობელი ვალდებულია დაიცვას ასევე სხვა კარგების ეროვნული საგანძურის გეოლოგიის დეპარტამენტის №ს/ზ-5834/06 17.05.2016წ. სამსახურებრივი მართობით წარმოდგენილი გეოლოგიური მონაცემების მიხედვით დადგენილი პირობები.

2. დაევალოს სააგენტოს ლიცენზირების დეპარტამენტს სალიცენზიო მოქმედების გაცემის უზრუნველყოფა ამ ბრძანების პირველი პუნქტის შესაბამისად.
3. ბრძანება გასაცნობად გადაეცეს დაინტერესებულ პირს.
4. ეს ბრძანება შეიძლება გასაჩივრდეს საქართველოს გარემოსა და ბუნებრივი რესურსების დაცვის სამინისტროში (ქ. თბილისი, გულუას ქ. №6), ამ ბრძანების ძალაში შესვლიდან ერთი თვის ვადაში.

სსიპ - გარემოს ეროვნული სააგენტოს უფროსი



თამარ ბაგრატია



საქართველო

საქართველოს ბარემოსა და ბუნებრივი რესურსების ღაცვის სამინისტრო

საქართველოს იურიდიული პირი  
ბარემოს ეროვნული სააგენტო

სასარგებლო წიაღისეულის მოპოვების ლიცენზია

№ 1003981

201<sup>6</sup> წლის „ 16 “ საქტვეზერი “  
(ლიცენზიის უწყებრივ სალიცენზიო რეესტრში გატარების თარიღი)

გაცემულია შპს „საზგარო სამშენებლო-სარემონტო კომპანია სერკანტინი“-მ,  
ს/კ 231 165 529;  
(იურიდიული ან ფიზიკური პირის დასახელება / ვინაობა, მონაცემები მის შესახებ)

საფუძველი: \_\_\_\_\_

სსიპ ბარემოს ეროვნული სააგენტოს უფროსის 2016 წლის 16 საქტვეზერის №1520/ს  
ბრკანება.

ლიცენზიით გათვალისწინებული ტერიტორიის მდებარეობა და ფართობი: \_\_\_\_\_

ქ. დუღოულსწყაროს ტერიტორიაზე,  
„დუღოულსწყაროს“ კირქვის (უბანი ხემსუქა) საბალო;  
K-38-93-B-a ნომენკლატურის ტოპოგრაფია (ლიცენზიის განუყოფელი ნაწილი);  
მიწისა და სამთო მიწაქუთხვის შარტირები - 1,53 კა.

მოსაპოვებელი რესურსის სახეობა და მოცულობა: \_\_\_\_\_

„ლელოუსწვაროს“ კირქვის (საპირმ) ჯამური მოქონება - 463 040 ტონა;

სალიცენზიო პირობები: \_\_\_\_\_

განსაზღვრულია სსიპ გარემოს ეროვნული სააგენტოს უფროსის 2016 წლის 16  
სექტემბრის №1520/ს ბრძანებით.

ლიცენზიის მოქმედების ვადა – 15 წელი, 16.09.2016 დას 17.09.2031 მდე

სსიპ „გარემოს ეროვნული სააგენტოს“  
უფლებამოსილი წარმომადგენელი

  
(ხელმოწერა)  


გავეცანი ლიცენზიის პირობებს და  
ვიღებ პასუხისმგებლობას მათ  
შესრულებაზე.

  
(ხელმოწერა)  


დამკვეთი: სსიპ გარემოს ეროვნული სააგენტო  
დამამზადებელი: შპს „ქეჩერა“  
სფს-ს რეგისტრაციის № 23-4000



გარეგნულ უსუსუქელებს ნებართვა გაცემულია:  
გაზემოს დაცვისა და ზუნებრივი  
ჩესურსების სამინისტროს მიერ

საქართველოს გარემოს დაცვისა და  
ბუნებრივი რესურსების სამინისტროს  
უსუსუამბისილი წარმომადგენელი  
(გვარს, სახელი, თანამდებობა)

დისენზიებისა და  
ნებართვების საშასხურის  
უფროსი  
ნიკოლოზ ჭახნაყია



დამკვეთი: გაზემოს დაცვისა და ბუნებრივი ჩესურსების სამინისტრო  
დამაშზადებელი: შპს 'დინანები'  
'ს.ფ.ს' ჩეგისტრაციის N2-0360