

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



Environmental Management Plan

**Rehabilitation of Jinvali-Barisakho-Shatili Road Section
(Chinti-Tvalivi) km3- km15**

Tbilisi, Georgia

2015

PART I: GENERAL PROJECT AND SITE INFORMATION

INSTITUTIONAL & ADMINISTRATIVE				
Country	Georgia			
Project title	Rehabilitation of Secondary Jinvali- Barisakho-Shatili Road Section (Chinti-Tvalivi) km3- km15			
Scope of project and activity	<p>At right hand side the project road runs in a cut-in situation of the shale (mainly) rock mountain. The rehabilitated road follows the Jhinvali artificial water reservoir from left hand side.</p> <p>The project road is the only access to the picturesque Khevsureti Region. The Region has large potential for future touristic development because of its' very high mountains that are attracting many internal and foreign tourists.</p> <p>The width of the existing carriageway is 7 meters. The average width of the roadbed varies between 8 and 9 meters.</p> <p>Existing artificial structures, including drainage pipes, will be cleaned, repaired or replaced. One bridge is to be repaired. The road signs and safety fences will be replaced and additional signs will be installed.</p> <p>Junctions and yard entries will be repaired. Existing bus stops, shelters shall be newly arranged.</p>			
Institutional arrangements (Name and contacts)	WB (Project Team Leader) Natalya Stankevich	Project Management Giorgi Tsereteli	Local Counterpart and/or Recipient Dusheti municipality	
Implementation arrangements (Name and contacts)	WB Safeguard Supervision Darejan Kapanadze	Local Counterpart Supervision Technical Supervisor (not selected yet)	Local Inspectorate Supervision -	Contractor (not selected yet)
SITE DESCRIPTION				
Name of site	Rehabilitation of Secondary Jinvali-Barisakho-Shatili Road Section (Chinti-Tvalivi) km3- km15 Dusheti municipality. Kakheti region			
Describe site location	Road section selected for rehabilitation is connecting Pshav-Khevsureti with the rest of Georgia. It is a secondary road with a gravel surface and located in a mountainous terrain. The project road section starts in village Chinti at km 2 and moves through the Tvalivi village and ends exactly at km15 post of the Jhinvali – Barisakho - Shatili road. The road lies along Jinvali reservoir and connects it to the international road Mtskheta-Stepantsminda-Larsi (Georgian military road). Most of the road sections are located in non-settled rural areas.			
Who owns the land?	Dusheti municipality and the State Forest Fund territories (12241 m ² in total) under the National Forest Agency of the Ministry of Environment and Natural Resources Protection (LEPL).			
Description of geographic, physical, biological, geological, hydrographic and socio-economic context	<p>Location: The project road section starts in village Chinti at km 2 and moves through the Tvalivi village and ends exactly at km15 post of the Jhinvali – Barisakho - Shatili road. The road lies along Jinvali reservoir and connects it to the international road Mtskheta-Stepantsminda-Larsi (Georgian military road). Most of the road sections are located in non-settled rural areas.</p> <p>Air - Air quality in the project area is good due to low traffic levels and the absence of industrial facilities.</p> <p>Water and Soil - No pollution is reported.</p> <p>Flora - The construction activities will not foresee drastic alteration of road parameters. In sections, where rehabilitation of ditches or their newly arrangement is needed, minor quantity of bushes and small trees would only be affected, that are not part of riparian forests. Vegetation within the area to be damaged is not thick and no rare species have been observed among them.</p> <p>Fauna - In the above mentioned territory, the following tree-species are under direct impact of the project: salix Caprea – 24 specimens; Carpinus-237 specimens, salix -23 specimens, pyrus - 30 specimens and Quercus-65 specimens. These trees are located on the territory of the State Forest Fund No Red Listed species are present within the project impact area.</p> <p>Noise - The current noise level is low due to low traffic levels and a lack of industrial facilities. 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>Social – rehabilitation road section will pass 5 villages where 119 families in total are settled</p>			
Locations and distance for	Information for material resources nearest from project area			

material sourcing, especially inert aggregates, water, stones	Existing borrow areas /quarries at or near	License No.	Usable Quantity (m3)	Material
	Tvalivi	100210	45600	Sand-Gravel
	Tvalivi	100118	15600	Sand-Gravel
	Tvalivi	00240	60000	Sand-Gravel
	Tvalivi	100170	11400	Sand-Gravel
	Tvalivi	01155	47400	Sand-Gravel
	Tvalivi	00644	222020	Sand-Gravel
	Tvalivi	100209	69000	Sand-Gravel
	Tvalivi	00743	269000	Sand-Gravel
	Ananurii	00266	240000	Sand-Gravel
	Ananuri	00616	130800	Sand-Gravel
	Ananuri	00555	120000	Sand-Gravel
	Ananuri	00699	118500	Sand-Gravel
	Ananuri	00865	45600	Sand-Gravel
	Ananuri	00865	140000	Sand-Gravel
	Ananuri	00848	171900	Sand-Gravel
	Ananuri	00490	150000	Sand-Gravel
	Ananuri	00434	220000	Sand-Gravel
	Ananuri	100205	2925	Limestone
	Ananuri	00065	7000	Limestone
	Ananuri	100379	10000	Limestone
	Ananuri	100222	29000	Limestone
	Ananuri	100387	6500	Limestone
	Ananuri	100205	2925	Limestone
	Tsikhisdziri	100077	600000	Sand-Gravel
	Pavleuri	100033	71400	Sand-Gravel
	Pavleuri	01159	96000	Sand-Gravel
	Pavleuri	01091	200000	Sand-Gravel
	Dgnali	00971	34960	Sand-Gravel
	Dgnali	00825	200000	Sand-Gravel
	Dgnali	00325	130000	Sand-Gravel
	Dgnali	100390	59075	Sand-Gravel
	Dgnali	100600	100000	Sand-Gravel

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 EMP 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,

- (i) Contractor company must be licensed,
- (ii) Construction materials must be obtained from licensed providers,
- (iii) Once contractor wishes to open quarries, then the contractor must obtain respective license.
- (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.
- (v) Disposal of the construction waste and excess ground generated in the course of earth works shall be placed in a selected locations agreed and approved by local governing bodies in

	<p>written.</p> <p>(vi) Land plots along the road required for undertaking of planned works are subject to de-listing from the Territory of the State Forest Fund and transfer to the Road Department. The process is ongoing.</p> <p>(vii) Removal of every specimen of species entered to the Red List of Georgia is subject to formal permission from the Biodiversity Service of the Ministry of Environment and natural Resources of Georgia and in case of permission, shall be compensated at the ratio of 1:10.</p>
PUBLIC CONSULTATION	
Identify when / where the public consultation process shall take place	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. The present site-specific EMP was disclosed through the same media and also delivered in hard copies to the Municipality of Dusheti Consultation meeting with local communities was held and the minutes of this meeting were be attached to this EMP
ATTACHMENTS	
	<p>Attachment 1: Project Location Map</p> <p>Attachment 2: Minutes of public consultation;</p> <p>Attachment 3: Waste disposal agreement (<u>to be provided by contractor</u>);</p> <p>Attachment 4: Borrowing license (<u>as applicable by contractor</u>);</p> <p>Attachment 5: Asphalt plant operation agreement (<u>as applicable</u>);</p> <p>Attachment 6: Other (<u>as applicable</u>)</p>

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?	A. Roads rehabilitation	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If “Yes”, see Section III A
	B. New construction of small traffic infrastructure	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If “Yes”, see Section III A
	C. Impacts on surface drainage system	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If “Yes”, see Section III B
	D. Historic building(s) and districts	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If “Yes”, see Section III C
	E. Acquisition of land ¹	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If “Yes”, see Section III D
	F. Hazardous or toxic materials ²	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If “Yes”, see Section V E
	G. Impacts on forests and/or protected areas	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If “Yes”, see Section III F
	H. Risk of unexploded ordinance (UXO)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If “Yes”, see Section III G
	I. Traffic and Pedestrian Safety	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	“Yes”, see Section III H

¹ 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.

² 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"> 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) During excavation works dust control measures shall be employed, e.g. by spraying and moistening the ground b) Demolition debris, excavated soil and aggregates shall be kept in controlled area and sprayed with water mist to reduce debris dust 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 d) The surrounding environment (sidewalks, roads) shall be kept free of soil and debris to minimize dust e) There will be no open burning of construction / waste material at the site f) All machinery will fit emission originating regulations, well maintained and serviced and there will be no excessive idling of construction vehicles at sites
	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
	Water Quality	<ul style="list-style-type: none"> 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
	Waste management	<ul style="list-style-type: none"> a) Waste collection and disposal pathways and sites will be identified for all major waste types expected from excavation, demolition and construction activities. 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. c) Construction waste will be collected and disposed by licensed company d) In order to control waste disposal accuracy and compliance, waste disposal reports shall be done e) Whenever feasible Contractor will reuse and recycle appropriate and viable materials (except when containing asbestos)
B. Impacts on surface drainage system	Water Quality	<ul style="list-style-type: none"> 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; contractor should obtain all necessary licenses and permits for water extraction and for further pouring out of used water in state current water system 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. c) There will be procedures for prevention of and response to accidental spills of fuels, lubricants and other toxic or noxious substances. d) Construction vehicles and machinery will be washed only in designated areas where runoff will not pollute natural surface water bodies.

C. Historic building (s)	Cultural Heritage	<p>a) If construction works takes place to a 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</p> <p>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</p>
D. Acquisition of land	Land Acquisition Plan/Framework	<p>a) 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.</p> <p>b) The approved Land Acquisition Plan/Framework (if required by the project) will be implemented</p>
E. Toxic materials	Asbestos management	<p>a) If asbestos is located on the project site, it shall be marked clearly as hazardous material</p> <p>b) When possible of asbestos will be appropriately contained and sealed to minimize exposure</p> <p>c) Asbestos prior to removal (If necessary) will be treated with a wetting agent to minimize asbestos dust</p> <p>d) Asbestos will be handed and disposed by skilled & experienced professionals</p> <p>e) 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.</p> <p>f) Removal of asbestos will not be reused</p>
	Toxic / hazardous waste management	<p>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</p> <p>b) Containers of hazardous substances shall be placed in an leak-proof container to prevent spillage</p> <p>c) Waste shall be transported by specially licensed carriers and disposed in licensed facility</p> <p>d) Paints with toxic ingredients or solvents or lead-based paints will not be used</p>
E. Affected forests, wetlands and/or protected areas	Ecosystem protection	<p>a) 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</p> <p>b) Tree cutting must be held down to minimum by adjusting alignment of access roads, using small machinery or manual labor in individual locations, etc.</p> <p>c) All trees that have to be extracted must be marked and their removal must be entered into tree-cutting ledger on daily basis</p>
F. Risk of unexploded ordinance (UXO)	Hazard to human health and safety	<p>a) Before to start any excavation activities, Contractor shall verify that the construction area has been checked and cleared regarding UXO by appropriate authorities</p>
G. 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 • If required, active traffic management by trained staff at the site for safe passage for the public • Ensuring safe and continuous access to all adjacent office facilities, shops and residences during construction

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	<p>No physical activity takes place in the territory of the State Forest Fund until de-listing and user right transfer procedures are complete</p> <p>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</p> <p>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)</p>	<p>Work site within forested territory</p> <p>Construction contractor's office</p>	<p>Checking documents</p> <p>Visual observation</p>	Prior and in the course of works within the forested territory	<p>Ensure compliance with the national legislation;</p> <p>Minimize impact on forested area;</p> <p>Facilitate procedure of hand over of logs generated through tree cutting</p>	RD

<p>Transportation of construction materials and waste</p> <p>Movement of construction equipment</p>	<p>Technical condition of construction vehicles and machinery;</p> <p>Adequacy of the loading trucks for transported types of cargo, and canopy coverage of cargo transported in open trucks;</p> <p>Movement of construction vehicles and machinery along pre-defined routes.</p>	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	<p>Avoid air and road pollution eith dust and solid matter;</p> <p>Reduce traffic disruption</p>	RD; Traffic Police
Operation of Construction machinery on site	<p>Proper technical condition of construction machinery:</p> <ul style="list-style-type: none"> • no excessive exhaust, • no fuel leakage, • respect of working hours • no damage to trees and other vegetation what does not need to be created for the purposes for road construction 	Construction site	Inspection	Within and off working hours	<p>Reduce air and soil pollution caused by equipment operation;</p> <p>Reduce noise and dust nuisance to local population</p>	RD
Contamination of surface water during rehabilitation of the bridge	Suspended solids, organic compounds, lubricants, fuel, solvents, heavy metals, pH value, mineral oils	Rehabilitation of the bridge	Inspection	<p>During rehabilitation works near in the water</p> <p>Unannounced inspections during works near watercourses</p>	Reduce water pollution caused by equipment operation;	RD
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"> • solid, insulating floor or adsorbent layer (sand, gravel, membrane), • containment barriers allowing enough sapce for 	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

	<p>holding fuel over the maximum amount expected on the location at a time,</p> <ul style="list-style-type: none"> • emergency fire-fighting kit, • sedimentation pool at car wash area. 					
Extraction of inert material	<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>	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>National Environment Agency of the Ministry of Environment and Natural Resources Protection</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 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>	Entire period of construction	Avoid pollution of the environment	<p>RD;</p> <p>Dusheti 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; Dusheti 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; National Environment Agency of the Ministry of Environment and Natural Resources Protection
Safety of labor	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	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	Dusheti 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	Dusheti 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; Dusheti 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	Dusheti municipality

Attachment 1: Project Location Map



Attachment 2: Minutes of Public Consultation

Attachment 2: Minutes of Public Consultation Meeting

MINUTES

of public consultation meeting on Environmental Management plan for Secondary Jinvali-Barisakho-Shatili road section (Chinti-Tvalivi) km3- km15

18.02.2016

Dusheti Municipality

Chairman of meeting - Gia Sopadze, Head of Environment Protection Unit, Resettlement and Environment Protection Division

Secretary of meeting - Maya Vashakidze, Environmental Consultant Roads Department of Georgia

Speakers: Gia Sopadze, 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 Management Plan.

Mr. Gia Sopadze, Head of Environment Protection Unit, Resettlement and Environment Protection Division and Ms. Maya Vashakidze, Environmental Consultant were representatives of the Roads Department of Georgia.

Mr. Gia Sopadze and Ms. Maya Vashakidze informed attendees about the Environmental Management Plan of rehabilitation works under Secondary and Local Roads project.

Mr. Gia Sopadze 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.

Ms. Maya Vashakidze 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.

No	Question	Answer
1.	When will the rehabilitation works of the road start?	The tender procedures are about to finish, the approximate time is spring
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 will the waste management implemented?	The contractor should contact Dusheti municipality to receive permission for waste disposal at their land field area. The contractor should also ask allocation of the spoiled soil storage territories.
4.	Will the local population employed during the rehabilitation works?	The local population will be employed during the construction works. Works contractor will be hired on the competitive basis and will have a discretion to recruit work force upon own discretion. The construction Company's contract will envisage the prioritized employment of the locals and supervision Company and local authorities will take care that these conditions are met.

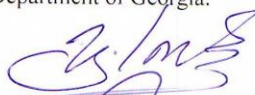
Irakli Litanishvili

Deputy Chairman, Roads Departments of Georgia

 (signed and sealed)

Representatives of Roads Department of Georgia:

Gia Sophadze



(signed)

Maya Vashakidze



(signed)

შიდასახელმწიფოებრივი მნიშვნელობის უინვალი-ბარისახო-შატილის საავტომობილო გზის კმ3 - კმ15
(ჩინთი-თვალღვი) მონაკვეთის საჯარო განხილვა

№	სახელი, გვარი	საკონტაქტო ინფორმაცია (მისამართი, ტელ. ნომერი)	შენიშვნა
1	შენი თარიღაძევილი	ქ. დუშეთი; დავით აღმაშენებლის N36; TEL: 595 22-98-45	
2	ველია სე-სიძევილი	მეტეხოსკახი სათემო 599 160713	
3	შუხი შიღვი შვილი	ბეჭეთი ხოთონი დამ ყინველი ჩახ 14 ნი 24 599-19-20-45	
4	ნაია ჭეხიძევილი	ლაშაბი ხ-ბი სოფ. ახვჯიანის 597 700-350	
5	მანანა ჭეჩხაძევილი	დუშეთი - სოფ. ლავანთხევიანი 599-43-13-56	
6	თინა წივლაძევილი	დავა ფანაძევილი 599 20-60-24	
7	ველია ყველაძევილი	დ. ფანაძევილი 595 60-70-87	

შიდასახელმწიფოებრივი მნიშვნელობის უნიველი-ბარისახო-შატილის საავტომობილო გზის კმ3 - კმ15

(ჩინთი-თვალის) მონაკვეთის საჯარო განხილვა

№	სახელი, გვარი	საკონტაქტო ინფორმაცია (მისამართი, ტელ. ნომერი)	შენიშვნა
8	შერაზ ზურდუგოი	დუშეთის რ-ის ს. ანასხვეთა 595-15-69-17	
9	შუხარ ჩიუყუჩი	დუშეთის მუნიციპალიტეტი სოფ. ჭხარა 595-738-555	
10	სუხარ ბუკუჩიშვილი	დუშეთის მუნიციპალიტეტი კხეპონის ად. კათოლიკე 595 410381	
11	ზვიად ჭინჭაძე	დუშეთის მუნიციპალიტეტი სოფ. ყვინი 593130298	
12	ნიკო ცუცუაძე	დუშეთის მუნიციპალიტეტის კახიანი 79201 ტ. 599-55-65-81	
13	შადა ხაჩიძე	დუშეთის ად. რაჭის ბაზრის მხარის მუშაობის 599 194388	
14	აგნეზი გრიგორიანი	ინგლისური ქუჩის სახსრების 79201 + 1777001 კონსტრუქციის №14 ტ. 595031234	

შიდასახელმწიფოებრივი მნიშვნელობის უნიველი-ბარისახო-შატილის საავტომობილო გზის კმ3 - კმ15
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15.	ანგელაშვილ ვარციხე კობიძე	რეზან, სპიჯიჭიკი რაზ ტ: 599-11-49-37	