ROADS DEPARTMENT OF GEORGIA

MINISTRY OF REGIONAL DEVELOPMENT AND INFRASTRUCTURE

Environmental and Social Impact Management Plan

(ESMP)

Third Secondary and Local Roads Project and Secondary Road Asset Management Project

Sh 83: Chokhatauri – Zomleti

Rehabilitation: km 3.5 – km 13.8

TNM Limited

Georgia

2019

PART I: GENERAL PROJECT AND SITE INFORMATION

INSTITUTIONAL &ADMINISTRATIVE				
Country	Georgia			
Project title	Rehabilitation of Chokhatauri – Zomleti (sh83) road section from km 3.5- km 13.8			
Scope of project and activity	On the basis the results of comprehensive engineering assessment of current condition of the road network, surveying the geometric features, road furniture, culverts, bridges, traffic characteristics, pavement condition etc, the adequacy of this road section for rehabilitation works was determined. This is a gravel road section which shall be upgraded as asphalt pavement under the rehabilitation works. This road section passing through the rolling and hilly terrain. The gravel pavement and drainage system on this section of project road are significantly damaged. Rehabilitation works, therefore, shall be undertaken to improve the existing gravel road. This activity includes complete construction of new asphalt pavement, structure necessary to return an existing roadway, including drainage system, retaining structures, shoulders, road safety measures, delineation system, sings, pavement markings, bus stops etc. to a condition of structural and functional adequacy for safe movement of traffic. General charecteristics of this road section- • Road length 10.3 km • Road Pavement type – Gravel • Average width of the carriageway: 5 m; • Width of the shoulder: 0.5-1.0 m; • Culverts: 20 units • Bridges: 5 Bridges (2 will be rehabilitated 3 repaired). • Number of lanes: 2 lanes / two directions			
Institutional arrangements (Name and contacts)	**WB (Project Team Leader)** Aymen A. Osman Ali	**Project Management** Giorgi Tsereteli	**Local Counterpart and/or Recipient** Chokhatauri Municipality	
Implementation arrangements (Name and contacts)	**WB Safeguard Supervision** Darejan Kapanadze Environment Sophia Georgieva Social	**Local Counterpart Supervision** TNM	**Local Inspectorate Supervision**	**Contractor** (Not Defined)
SITE DESCRIPTION				
Name of site	Chokhatauri – Zomleti (sh83) road section from km 3.5 - km 13.8, Chokhatauri Municipality			
Describe site location	The rehabilitation of the road commences at 3.5 km from the Chokhatauri-Zomleti road in the Village of Shua Ganakhleba. At the commencement point of the road, on the left side there are residential houses, whereas, on the right side of the road, there are only private land parcels and unused state-owned areas. This road is mostly located on hilly terrain, only one kindergarten is located along this road section. This road does not pass along cemeteries nor local administration offices. Embankment failure is observed on several locations. This road passes through Villages of Gogolesubani (858), Shu Ganakhleba (735), Amagleba (598), Sameba (475), Vani (333), and continues through to Sajavakho-Chokhatauri-Ozurgeti-Kobuleti road. The total length of the rehabilitation road is 10.3 km. There is one school and one kindergarten located along this road section.			
Who owns the land?	The existing ROW is owned by Chokhatauri Municipality.			

<table>
<tr><td>Description of geographic, physical, biological, geological, hydrographic and socio-economic context</td><td><u>Location</u>: The project road section starts at km 3.5 in Chokhatauri and ends at km 13.8 at junction with sh02 (km 28.450). This road section passing through the hilly terrain.
<u>Air</u>: Air quality in the project area is good due to low traffic levels and absence of industrial facilities
<u>Water and Soil</u>: No pollution is reported
<u>Flora</u>: Vegetation of the area though the road passes is mainly composed by beech and pine trees. No tangible adverse impact on vegetative cover is expected.
<u>Fauna</u>: Animal species observed in the forests include roe, wild boar, rabbit, wolf, bear, fox and jackal. Impact on fauna is expected to be minimal.
<u>Noise</u>: The current noise level is low due to low intensity of traffic and lack of industrial facilities. Construction activates will have modest impact on those people who reside in existing village along this road and this impact will be limited to the periodic maintenance phase.
<u>Social/ Involuntary Resettlement</u>: No land take is required for undertaking rehabilitation of the road section. Temporary impact on the fences of privately-owned land plots is likely. Affected people will be notified on this expected impact and restoration of fences will be guaranteed. Written consent of the affected private owners, or their representatives will be obtained prior to intervention. Affected fruit-bearing perennials will be cash-compensated. Affected fences will be cash-compensated or promptly restored by Contractor in accordance to the ARAP compensation entitlements.</td></tr>
<tr><td>Locations and distance for material sourcing, especially inert aggregates, water, stones</td><td>Information about material resources near the project road:
<table><tr><td>Description</td><td>Location</td></tr><tr><td>River Quarry</td><td>Chokhatauri Municipality v. Buknari. Riv. Gubazeuli v. Nagomari, r. Supsa</td></tr></table></td></tr>
<tr><td colspan="2">LEGISLATION</td></tr>
<tr><td>Identify national & local legislation &permits that apply to project activity</td><td>SRAMP is implemented in accordance with the World Bank's safeguard policy OP/BP 4.01 - Environmental Assessment. Based on this policy, present subproject is classified as environmental category "B". This Plan for Environmental and Social Impact Management is prepared according to the principles defined by OP/BP 4.01. Under the Georgian legislation, a road rehabilitation project does not require assessment of an environmental impact, approval or issuance of a permit. However, with the national regulation system:
i) Contractor company must be licensed;
ii) Construction materials must be obtained from licensed providers,
iii) If the Contractor wants to open quarry, it is necessary to take the appropriate license;
iv) If the Contractor wants to open its own plant of asphalt or concrete (or both), it is necessary to take an environmental impact permit, which will cover the upper limit of pollution concentration;
v) Construction waste should be placed at the pre-selected site officially agreed by local self-government;
vi) Licensing copies (in case of their existence), asphalt and cement plant permits (if they exist), and permit for the waste disposal area will be attached to this plan.</td></tr>
<tr><td>Grievance Redress Mechanism</td><td>A grievance redress mechanism (GRM) will be available to allow an Affected Person (AP) appealing any decision on which they disagree.
The APs will be informed about the available GRM during public consultations and through distributing of brochures prior to commencement of works. In addition, an announcement with relevant information will be displayed on the information boards in the lobbies of buildings of each and every project-affected municipality. APs will be fully informed of their rights and of the procedures for addressing complaints either verbally or in writing during pre-construction, construction and operation periods. Care will always be taken to prevent grievances rather than going through a redress process.

Grievance Redress Commission (GRC) Contact Person:
Mr. Gogi Bolkvadze, Head of Infrastructure Department in Chokhatauri
Mobile Phone: 577 74 99 22
The Contact Person shall collect and record the grievances in a special log.
If the grievance remains unsolved at the local level, it will be lodged to the RDMRDI. For any information and advice, RD nominated following persons:

1. <u>Mariam Begiashvili</u> - Social Safeguards Consultant</td></tr>
</table>

	Mobile Phone 577 74 40 88; 555 400 205; e-mail: mbegiashvili2@gmail.com 2. **Maya Vashakidze** – Environmental Safeguards Consultant; **Mobile Phone: 593 32 30 77 e-mail: maya_vashakidze@yahoo.co.uk** Roads Department of RDMRDI: 12 Kazbegi str., Tbilisi, Georgia Grievance Redress Commission (GRC) 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	Environmental and Social Management Framework for the Secondary Road Asset Management Project was disclosed through the RDMRDI web page and the stakeholder consultation meeting was held on 14/07/2015. The present Draft ESMP was uploaded on the RDMRDI website and the hard copies provided to Chokhatauri Municipality. Public consultation on the draft ESMP was held in Chokhatauri Municipality. The notification on ESMP Public Disclosure date, time and location was made early enough to ensure high attendance of project stakeholders The minutes of the meeting was attached to the final version of the ESMP. Besides, the draft Abbreviated RAP (ARAP) prepared within the framework of this project provides the details on APs and compensation entitlements for temporarily affected fences and any private assets, including perennials. The draft ARAP was publicly disclosed in Chokhatauri Municipality and uploaded on RDMRDI website. ARAP Public Disclosure meeting was held in Chokhatauri Municipality (if possible on the same date together with ESMP public disclosure). The minutes of the draft ARAP public consultation meeting was attached to the final ARAP.
ATTACHMENTS	
Attachment 1: Project location map; Attachment 2: Minutes of public consultation on the draft ESMP Attachment 3: Waste disposal agreement (to be provided by contractor); Attachment 4: Borrowing license (as applicable, to be provided by contractor); Attachment 5: Asphalt plant operation agreement (as applicable, to be provided by contractor)	

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	[X] Yes [ ] No	If "Yes", see Section A
	2. New construction of small traffic infrastructure	[ ] Yes [X] No	If "Yes", see Section A
	3. Impacts on surface drainage system	[ ] Yes [X] No	If "Yes", see Section B
	4. Historic building(s) and districts	[ ] Yes [X] No	If "Yes", see Section C
	5. Acquisition of land[1]	[ ] Yes [X] No	If "Yes", see Section D
	6. Hazardous or toxic materials[2]	[ ] Yes [X] No	If "Yes", see Section E
	7. Impacts on forests and/or protected areas	[ ] Yes [X] No	If "Yes", see Section F
	8. Risk of unexploded ordinance (UXO)[2]	[ ] Yes [X] No	If "Yes", see Section G
	9. Traffic and Pedestrian Safety	[X] Yes [ ] No	If "Yes", see Section H
	10. Impacts on land property and use	[X] Yes [ ] No	If "Yes", see Section I
	11. Social risk	[X] Yes [ ] No	If "Yes", see Section J

[1] [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	a) Notify local construction and environment inspectorates and communities on the upcoming activities; b) Notify public on the works through appropriate notification in the media and/or at publicly accessible sites (including the site of the works); c) Obtain all legal permits for road construction works; d) Provide personnel with workers' personal safety equipment in compliance with international standards (should always wear helmets, masks and safety sunglasses, protective shoes); e) Post relevant warning and reminding signs with information on environmental, health and safety code of conduct in the visible locations of the work site; f) Post contact information around work site in the locations visible to local communities enabling project-affected people to raise questions and voice grievances.
A. General Rehabilitation and /or Construction Activities	Air Quality	a) Apply precautionary measures to avoid excessive dust emission during earth works and materials loading-unloading (e.g., restriction material dropping from a big height during loading-unloading); b) Keep demolition debris, excavated soil and aggregates in controlled area and sprayed with water mist to reduce debris dust; c) During pneumatic drilling or breaking of pavement and foundations, suppress dust by ongoing water spraying and/or installing dust screen enclosures at site; d) Keep free the surrounding environment (sidewalks, roads) free of soil and debris to minimize dust; e) Disallow open burning of construction/waste material at the site; f) Keep machinery in compliance with the regulations of the emission origin, proper technical repairs should be ensured, and the pitch shall be free from unnecessary construction machinery.
	Noise	a) Limit construction noise to daytime; b) Apply additional noise management arrangements in the vicinity of schools and hospitals; c) During operations, keep engine covers of generators, air compressors and other powered mechanical equipment closed, and place equipment as far away from residential areas as possible
	Water Quality	a) 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 nearby streams and rivers.

ACTIVITY	PARAMETER	MITIGATION MEASURES CHECKLIST
	Waste management	a) Pre-identify and obtain formal permissions/agreement on the waste collection and disposal pathways and sites for all major waste types expected from excavation, demolition and construction activities; b) Separate mineral garbage / wastes remaining for construction and dismantling from general, organic, liquid and chemical waste and to be sorted in containers; c) Dispose all types of waste strictly according the existing formal agreements and exclusively to the designated locations; d) Reuse and recycle non-toxic wastes to the extent possible.
B. Impacts on surface drainage system	Water Quality	a) Do not undertake uncontrolled extraction of groundwater, nor uncontrolled discharge of wastewater, cement slurry, or other polluted waters into surface water bodies or natural environment in general; obtain necessary licenses and permits for water extraction and regulated discharge prior to commencement of activity; b) Install and operate proper storm water drainage systems; ensure that they do not fill up with silt, do not pollute, block or otherwise negatively impact natural streams, rivers, ponds and lakes; c) Introduce and follow procedures for prevention of and response to accidental spills of fuels, lubricants and other toxic or noxious substances; d) Wash construction vehicles and machinery only in designated areas where runoff will not pollute natural surface water bodies.
C. Historic building(s)	Cultural Heritage	a) In case the construction is carried out near historical buildings or in the historical area, the notification and acceptance / consent from local government organs shall be taken. All types of construction work should be planned and implemented in accordance with local and national legislation. b) In case of land excavation or findings of ancient times or other possible archaeological items, it is necessary to record and register the facts of responsible official agencies and to suspend or reverse the works by taking into consideration circumstances.
D. Acquisition of land	Land Acquisition Plan/Framework	a) If land take is required for undertaking works in a given site, do not enter this site until receipt of a formal notice from the Employer on the completion of resettlement and payment of compensations. Works are authorized after approval of the resettlement completion report by the Employer and the World Bank; b) In case of public complaints on incomplete or improper resettlement/compensation, take all activity on hold, enter complaints into log book and immediately inform the Employer. Do not resume works until formal notice from the Employer.
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 of asbestos will be appropriately contained and sealed to minimize exposure

ACTIVITY	PARAMETER	MITIGATION MEASURES CHECKLIST
		c) Asbestos prior to removal (If necessary) will be treated with a wetting agent to minimize asbestos dust d) Asbestos will be handed and disposed by skilled & experienced professionals 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. f) Removal of 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) Containers of hazardous substances shall be placed in a leak-proof container to prevent spillage c) Waste shall be transported by specially licensed carriers and disposed in 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) (A) It is inadmissible to carry out works on the territories belonging to the State Forest Fund until the completion of the removal procedure b) Cutting of trees should be minimized, through the regulation of access roads, as well as by using of small capacity equipment and manual works. c) All trees that have to be extracted must be marked and their removal must be entered into tree-cutting ledger on daily basis
G. Risk of unexploded ordinance (UXO)	Hazard to human health and safety	a) Before to start any excavation activities, Contractor shall verify that the construction area has been checked and cleared regarding UXO by appropriate authorities
H. Traffic and pedestrian safety	Direct or indirect hazards to public traffic and pedestrians by construction activities	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: a) Use signposting, warning signs, barriers and traffic diversions so that the work site is clearly visible, and the public warned of all potential hazards; b) 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; c) Adjust working hours to local traffic patterns, avoid major transport activities during rush hours or times of livestock movement; d) If required, undertake active traffic management by trained and visible staff at the site for safe passage for the public; e) If school children are in the vicinity, include traffic safety personnel to direct traffic during school hours; f) Ensure safe and continuous access to all adjacent office facilities, shops and residences during construction.

ACTIVITY	PARAMETER	MITIGATION MEASURES CHECKLIST
I. Impacts on land property and use	Limited/lost access to the land	a) Ensure provision of undisturbed and safe access to homes, lands and other assets of the local population; b) 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.
	Temporary impact on privately-owned assets	a) 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.); b) In case of unintended damage to private property, quickly restore it to the original or better status; c) 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; d) If an unexpected need for land take emerges in the couse of works, do not enter the affected site prior to development and full implementation of the Resettlemet Action Plan by RD
	Loss of income or assets caused by unauthorized intervention, occupation of territory outside of ROW	a) Avoid unauthorized intervention of territory outside of ROW; b) 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; c) Apply GRM procedures if the case is unresolved through negotiation.
J. Social Impact	Public relationship management	a) Assign local liaison person who is in charge of communication with and receiving requests/ complaints from local population; b) Consulted local communities to identify and pro-proactively manage potential conflicts between an external workforce and local people; c) Raise local community awareness about sexually disease risks associated with the presence of an external workforce and include local communities in awareness activities; d) Inform population about construction and work schedules, interruption of the services, traffic detour routes and provisional bus routes, blasting and demolition, as appropriate; e) Limit construction activities at night. When necessary, carefully schedule night-time works and inform affected community so they can take necessary measures; f) At least five days in advance of any service interruption (including water, electricity, telephone, bus routes), advice affected community through postings at the project site, at bus stops, and in affected homes/businesses.

ACTIVITY	PARAMETER	MITIGATION MEASURES CHECKLIST
	Labor management	a) To the extent possible, locate work camps away from local communities; b) Undertake sitting and operation of worker camps in consultation with neighboring communities; c) Recruit unskilled or semi-skilled workers from local communities to the extent possible. Where and when feasible, provide worker skills training to enhance participation of local people; d) 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. Provide separate WC facilities where male and female workers are employed. Establish temporary septic tanks for any residential labor camp and without causing pollution of nearby watercourses; e) Raise awareness of workers on overall relationship management with local population. Establish the code of conduct in line with international practice, ensure that all workers are aware of it, have read and signed off the code of conduct, and strictly enforce it, including the dismissal of workers and financial penalties of adequate scale; f) Ensure availability of grievance mechanism for workers on labor-related issues.

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 with construction materials	Purchase of construction materials from the officially registered suppliers	In the supplier's office or warehouse	Verification of documents and quality	During conclusion of the supply contracts	Ensure technical reliability and safety of infrastructure	RD
Transportation of consrtruction materials and waste Movement of construction machinery	Technical condition of vehicles and machinery; Confinement and protection of truck loads with lining; Respect of the established hours and routes of transportation	Construction materials and construction waste transportation routes	Inspection of nearby sites roads with directions of movement routes	Unannounced inspections during work hours and beyond	Limit pollution of soil and air from emissions; Limit nuisance to local communities from noise and vibration; Minimize traffic disruption.	RD Traffic Police
Operation of construction machinery on site	Proper condition of Construction equipment: - surplus emissions - Fuel-lubricant - Working hours security - Damage of Tree plant if it is not considered for the road construction	Construction Sites	Inspection of the works	In and after working hours	Reduce the air and soil contamination during equipment operation; Limit the disturbance of the population with noise and vibration	RD

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?)
Servicing of construction machinery	Washing vehicles and machinery off-site of in the location sufficiently distant from water bodies; Servicing vehicles and machinery with oils and lubricants off-site or in an especially arranged location on-site; Technical adequacy of the servicing location: • solid, insulating floor or adsorbent layer (sand, gravel, membrane), • containment barriers allowing enough sapce for holding fuel over the maximum amount expected on the location at a time, • emergency fire-fighting kit, sedimentation pool at car wash area.	Construction site and construction base (if applicable)	Inspection	Entire period of machinery operation	Avoid land and water pollution with oil products due to servicing of vehicles and machinery; Be ready for fire emergency action to promptly localize fire source and minimize material damage	RD
Surface water pollution during bridge repair works	Sediment, organic mixtures, lubricants, fuel, solvents, pH of heavy metals, oils	Bridge repair works	Inspection	During repair works. During the bridge repair works;	Reduction of water pollution caused by construction equipment	RD

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?)
				Unannounced inspections during work hours and beyond		
Purchasing of natural construction materials	Purchase of material from the existing suppliers if feasible; Obtaining of extraction license by the works contract and strict compliance with the license conditions; Terracing of the borrow area, backfilling to the exploited areas of the borrow site, and landscape harmonization; Excavation of river gravel and sand from outside of the water stream, arrangement of protective barriers of gravel between excavation area and the water stream, and no entry of machinery into the water stream. Marking of the Quarries with warning signs	Quarries	Checking of documents Inspection	During extraction of materials	Limiting erosion of slopes and degradation of ecosystems and landscapes; Limiting erosion of river banks, water pollution with suspended particles and disruption of aquatic life; Protection of cattle and population from damage.	RD LEPL National Agency of Mines of the Ministry of Economy and Sustainable Development of Georgia
Generation of construction waste	Temporary storage of construction waste in especially allocated areas; Timely disposal of waste to the formally designated locations	Construction site; Waste disposal site;	Visual Inspection and inspection of Documentation	During whole construction period	Prevent pollution of the construction site and nearby area with solid waste	RD

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?)
	Delivery of hazardous wastes for companies with disabilities and disposal licenses	Proper territories assigned for the waste disposal.				
Accumulation of household waste	Placement of containers to collect household waste on construction site (if exist); Agreement with local municipalities regarding the regular disposal of household waste	construction site (if exist);	Visual Inspection	During whole construction period	To avoid pollution of soil and water with domestic waste.	RD
Generation of liquid waste	Arrangement of a toilets matching the sanitary norms on the construction site (if exist); Arrangement and periodic cleaning of the drainage system for the collection and flow of rain water from the construction site; Construction of Sedimentation Basin for water used for household and equipment	construction site (if exist);	Visual Inspection	During whole construction period Frequently In case of strong sedimentation	Prevent the flooding of the construction site and to hinder the activity; Minimize surface and groundwater contamination	RD
Operation of asphalt-concrete plant	Obtaining of environmental conclusion and adherence to its conditions; Selection of such a place to install the plant that ensures minimal	Plant Territory	Visual Inspection and inspection of Documentation	During installation and operation period of the plant.	Minimize disturbance of the local population near the construction site;	RD LEPL National Environment Agency of the Ministry of Environment

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?)
	disturbance of the population by noise, dust and emissions; Arrangement of several sedimentation basins for the water outflowing from the factory.				Minimize air, surface and ground water contamination	Protection and Agriculture
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; Presence and use of viable GRM for construction contractor's personnel; Maintenance of adequate sanitary conditions at work bases/sites, including provision of separate WCs if both men and women are employed.	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.);	Works near privately-owned land, buildings and other assets	Monitoring and inspection	Entire period of construction	Reduce the probability of damages on private property; Exclude temporary or permanent violation of ownership and/or user rights on the private property	RD

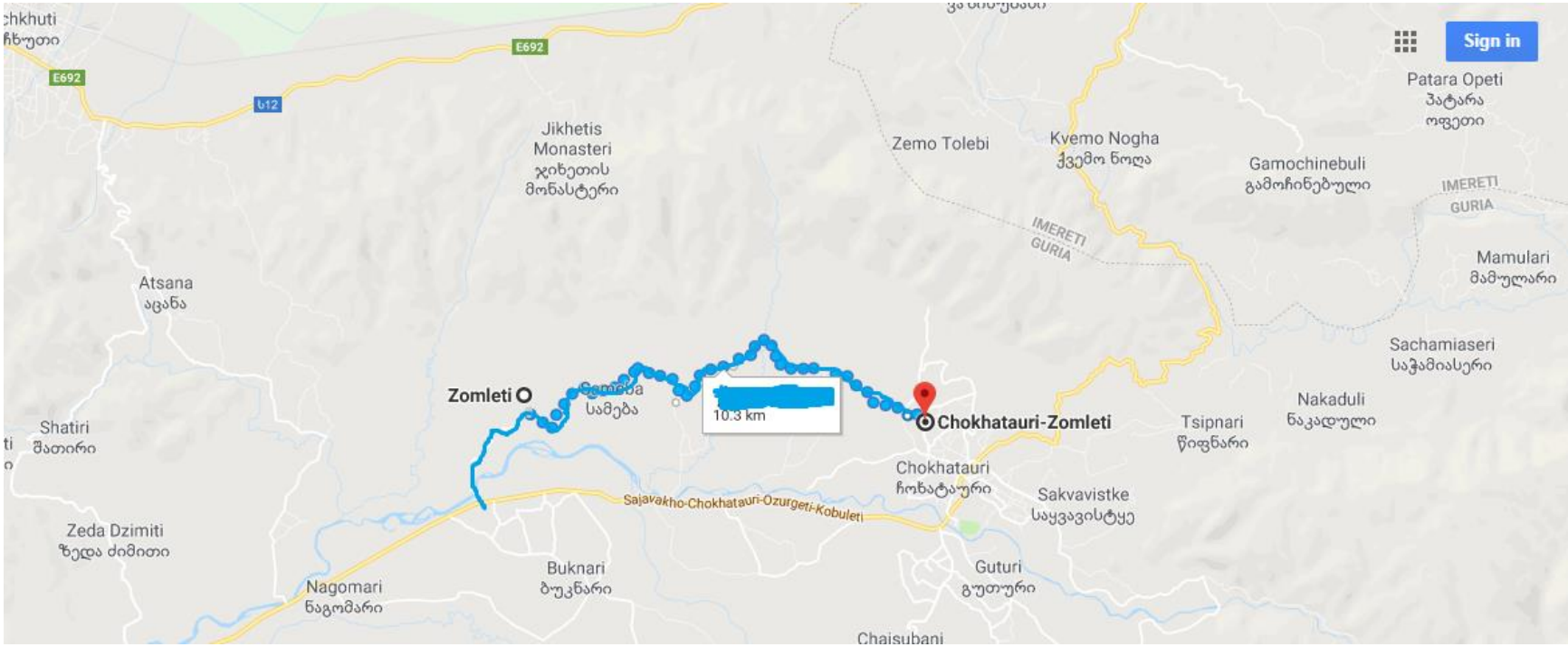
Activity	What (Is the parameter to be monitored?)	Where (Is the parameter to be monitored?)	How (Is the parameter to be monitored?)	When (Define the frequency / or continuous?)	Why (Is the parameter being monitored?)	Who (Is responsible for monitoring?)
	In case of unintended damage to private property, quickly restore it to the original or better status; In case of expected temporary impact on privately-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; If an unexpected need for land take emerges in the couse of works, do not enter the affected site prior to development and full implementation of the Resettlemet Action Plan by RD					

OPRATION 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?)
Maintenance of the road carriageway and shoulders	Regular collection and disposal of domestic waste left by passengers and driver; The timely removal of animal	Adjacent territories of the road and side ditches	Inspection	Quarterly	For the protection of the nature. In order to ensure safe movement of the traffic	RD
Maintenance of drainage ditches	Regular cleaning of culverts from sewage and household waste	Side ditches along the roads	Visual Observation	Quarterly	To maintain drainage system To prevent flooding of the road and avoid water damage	RD
Addressing accidental spillage on the road	Timely localization, collection, decontamination and disposal of waste or emitted liquid or loose cargo waste during a road accident	On the road and on the adjacent territories	Checking	During the road accidents, according to the necessity	To prevent the contamination of the nature	RD Patrol Police

ATTACHMENT 1: PROJECT LOCATION MAP

Rehab Road Section: Sh-83 KM 3.5 to KM 13.8



Attachment 2:

MINUTES

Of public consultation meeting on Environmental and Social Management plan (ESMP) and Abbreviated Resettlement Action Plan (ARAP) for Rehabilitation and Periodic Maintenance of Secondary of Road Sections; Sh–02 Sajavakho-Chokhatauri-Ozurgeti-Kobuleti Sh-81 Chokhauati-Bakhmaro Sh-83 Chokhauati-Zomleti

31 May 2019 **Chokhatauri Municipality**

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

Secretary of meeting – Luka Keshelava, representative of Local Supervisor, TNM

Speakers: Maya Vashakidze - Environmental Safeguards Consultant at the Roads Department of Georgia

Mariam Begiashvili – Social Safeguards Consultant at the Roads Department of Georgia

Lela Shatirishvili – Representative of the Local Supervisor, TNM

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 inconveniences expected from the construction works, and planned measures for mitigating the expected negative environmental and social impacts. 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 Plans (ESMPs) and the Abbreviated Resettlement Action Plan (ARAP).

Ms. Mariam Begiashvili opened the meeting and raised pertinent issues relating to the benefits of the project, including economic benefits, increased safety for road users and local population, reduced delivery time to markets, and increased potential for job opportunities. Special focus was made on job opportunities for local females to be engaged in periodic maintenance and handle the work load that does not consider heavy physical workload. She highlighted successful examples of similar project initiated in Kakheti road project. Ms. Begiashvili also stated that civil works contract signed between the RDMRD and Contractor will contain the requirements that contractor ensures engagement of local people, with special attention to females, during construction, monitoring and operation phases. The RDMRD and Construction Supervision Company will monitor that Construction Company follows the restrictions imposed by the Labor Code of Georgia, ESMPs and international standards on any form of trafficking and child labor.

This notification was taken with interest of female and male attendees.

The opening speech was followed by presentation from Ms. Maya Vashakidze. She informed attendees about the meaning of Secondary Road Asset Management Project (SRAMP) for Georgia's economic development and presented the ESMPs prepared for rehabilitation and maintenance of the selected secondary roads in Guria region. She covered the scope of planned works, their possible impact on the

natural environment and human health. She introduced the proposed mitigation measures to reduce negative environmental impacts of the project in the construction and operation phases.

Then the floor was given to Mrs. Lela Shatirishvili, Social Safeguards and Resettlement Consultant, who was in charge of conducting all social studies and developing ARAP in compliance with the active legislation of Georgia, the Resettlement Policy Framework of SRAMP, and WB OP 4.12. Describing the activities undertaken during ARAP preparation, she discussed types of temporary impact to fences attached to the land parcels located along the road sections subject to rehabilitation. She explained the method used by the independent licensed valuator during determination or replacement value at current market cost of construction materials without deduction of depreciation and cost for salvaged materials. She confirmed that according to the types of potentially affected fence six different unit rates (GEL/linear meter) have been determined and the information was provided in the Public Information Booklet (PIB).

Ms. Shatirishvili mentioned that all project-affected persons will be given a choice to receive compensation and restore affected fences by the completion of construction work or agree to the construction company to restore the fence by the completion of civil works at the spot. The attendees were informed that during construction works, the Construction Company will provide relevant protection barriers to prevent intruders entering the land parcels that have temporarily affected fences, as it is important to prevent cattle from entering agricultural land parcels, and also to ensure human safety of households in the cases where the affected fences are attached to residential dwellings.

Ms. Shatirishvili also described the method and compensation unit rates for fruit bearing perennials that may be affected during road rehabilitation works and confirmed the suggested unit rates provided in the Annex 2 of the PIB.

Special attention was given to the Grievance Redress Mechanism and steps required to apply to Grievance Redress Committee during the entire cycle of the project.

In conclusion of the consultation meeting, the floor was opened to the question-answer session. The table A below describes the results of Question-Answer Session.

Table A. Questions raised by the APs and the answers provided by the Public Meeting organizers

#	Name of AP	Question raised	Answer provided by the Consultant
1	Mr. Mamuka Dolidze	As the Mayor's Representative in Municipality Amaghleba I was asked to deliver to your attention their choice and instead of any cash compensation they prefer not to receive any cash but prefer the Construction Company to restore project affected fences it its own cost.	Thank you for the delivering this message. In addition, prior to commencement of road works the Construction Company will coordinate with the Mayor's Office and most likely you would be kindly requested to assist construction company in the process of obtainment relevant written consents from the local residents.
2	This question was asked by many APs	When is expected the commencement of Construction activities?	Civil works and construction activities will start after the Construction Contractor is selected through International tender and the relevant contract is awarded. Most likely it will take at least another six

			months.
3	Mr. Ilia Sharashidze	Is Chokhatauri-Bakhmaro road section fully included or some sections are excluded from the pending project?	This is road Sh-83; The beginning of road from km 0+000 to km 3.5 is already under periodic maintenance. This pending project will cover rehabilitation of gravel road starting at km 3+500 to km 13+800.
4	Ms. Rusudan Kirkitadze	Drainage pipes are in poor condition causing flood risks for Street 9th of April residents in the center Chokhatauri.	Although all damaged culverts and drainage pipes will be replaced by new ones along the selected road sections, this specific address in not the part of the project discussed today. This issue should be addressed by the local Municipality. However, we as the representatives of Roads Department will take the note to our management for the further follow up.
5	This question was raised by female attendees	We have not yet heard of such possibility yet. Is that possible to get employed on road works?	This is relatively new initiative of the RD following the WB suggestion. However, RD has already gained some success in Kakheti region, where several dozen women were hired on salary paid job to support routine maintenance of local roads. We believe that similar job opportunity will be of interest to local females as this is not related to work with heavy equipment and does not require long working hours, still leaving time to women to take care of their family and children.

List of Participants of the consultation meeting on Environmental and Social Management plan (ESMP)

ადგილმდებარეობა/Location: ჩოხატაური

თარიღი/Date: 31/05/2019

ბუნებრივი და სოციალური გარემოს მართვის გეგმის საჯარო განხილვის დამსწრე პირთა სია

№	სახელი, გვარი	საკონტაქტო ინფორმაცია (მობილური, სოფელი და მისამართი	ხელმოწერა	შენ
1.	[illegible]	577 957996. დაბა ჩოხატაური [illegible]	[illegible]	
2	[illegible]	595 15 16 76. ჩოხატაური სოფ. [illegible]	[illegible]	
3.	[illegible]	555 347902 ჩოხატაური სოფ. [illegible]	[illegible]	
4.	[illegible]	577 95.79.29 ჩოხატაური სოფ. [illegible]	[illegible]	
5.	[illegible]	551-96-18-80 სოფ. [illegible]	[illegible]	
6.	[illegible]	557-98-65-72 ჩოხატაური სოფ. [illegible]	[illegible]	
7.	[illegible]	577-22-69-71 ჩოხატაური სოფ. [illegible]	[illegible]	
8	[illegible]	577 07.95.21 სოფ. [illegible]	[illegible]	
9	[illegible]	სოფ. [illegible] 599 92 38 51	[illegible]	

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ადგილმდებარეობა/Location: ჩოხატაური

თარიღი/Date: 31/05/2019

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№	სახელი, გვარი	საკონტაქტო ინფორმაცია (მობილური, სოფელი და მისამართი	ხელმოწერა	შენიშ
10	[illegible]	სოფ. [illegible] 597625256	[illegible]	
11	[illegible]	სოფ. [illegible] 599129455	[illegible]	
12	[illegible]	სოფ. [illegible] 577954379	[illegible]	
13	[illegible]	[illegible]: 599 54 25 15 სოფ. [illegible]	[illegible]	
14	[illegible]	558.11 03 71 [illegible]	[illegible]	
15	[illegible]	595 219141 [illegible]	[illegible]	
16	[illegible]	598 18 44 78	[illegible]	

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