

# City Telavi (Kakheti Region) Sewage Collector rehabilitation Sub-Project

# **Environmental and Social Screening and Environmental Management Plan**

WORLD BANK FINANCED
SECOND REGIONAL AND MUNICIPAL INFRASTRUCTURE DEVELOPMENT PROJECT

## **Environmental Screening**

Sub-Project (SP) envisages rehabilitation of the existing central sewerage collectors in Telavi city. The SP site is located in Telavi, main city and administrative center of Kakheti Region, Georgia's eastern province. Its population approximately consists of 21,800 inhabitants. The city is located on foothills of Tsiv-Gombori Mountain Range at 500–800 meters above the sea level.

Telavi sewer system was built mainly of d=200 mm pipes and represents a gravity network. The collectors of d=300 mm pipes, cross the main channel of the irrigation system flowing north, join beside of the Telavi-Kvareli highway adjacent to the airport, proceed along the right side of the highway, cross agricultural lands and deliver sewage to a biological treatment plant located on bank of Alazani river, on the upper slope of floodplain. Purified water discharge pipe flows into the river Alazani.

Telavi sewerage system (*main collectors*) is virtually in ruins and needs to be totally rehabilitated. Since decades the sewer system does not include any waste water treatment and even proper sewage drainage is no longer given. Currently Telavi fecal sewage network is in a satisfactory condition but on the upper (right) side of the main channel of Alazani Irrigation Scheme, the collectors are broken at 3 locations and sewage discharges into irrigation canal. As the channel dries at a certain time of the year, the sewage flowing into the channel causes significant aggravation of sanitary conditions. When the channel is operational, the contaminated water used for irrigation flows down to the villages and agricultural lands. The outlet sewage collector and wastewater treatment plant are deteriorated and in a bad conditions as well. One of the main objectives of SP is to collect and transmit wastewater from Telavi town for treatment at the existing WWTP site. MDF has planned the rehabilitation and reconstruction of old damaged WWTP which will be implemented by under Sustainable Wastewater Management Project (SWMP) supported by WB and granted by SIDA. Implementation of SP is scheduled in 2015 – 2017.

The SP envisages rehabilitation of sewage collectors The total length of the collectors to be rehabilitated is 16,240 m. the rehabilitation works include installation of new sewage collectors and arrangement of 31 units of D=1.5 m and 312 units of D=1 m reinforced concrete sewerage wells on the collectors. No replacement of old sewage pipes is planned, they will stay on their old position and new pipes will be installed in parallel of existing collectors. Design parameters for the collectors are based on feasibility study of Telavi WWTP prepared by consulting firm "ILF". Number of population served by the collectors by 2040 will be: Telavi – 23,461 persons, v. Kurdghelauri – 5,183 persons, v. Vardisubani - 3,326 persons, v. Shalauri - 2,952 persons, Total – 34,922 persons. For hydraulic calculations of the collectors has been used specific water consumption - 225 l/person/day; Institutions - 10%. Peak load factor is 3. The design envisages using of a high-density polyethylene (HDPE) corrugated pipes (standard EN 13476-1) with different diameters for the arrangement of the collectors.

The SP envisages rehabilitation of the following sections of sewage collectors:

- 1) Collector "A" the starting point from the well (D = 1.0 m. H = 2.0 m) located at the end of the Caucasus street; this is the main pipeline, from which the sewerage flows to treatment plant. Collector diameter varies between  $D_n = 300-700$  mm.
- 2) Collector "B" (Dn = 300 mm) starts from the well (D=1,0m; h=1,5m;) located above the channel on the Alazani Avenue and joins the collector "A" in the well # 48.
- 3) Collector "C" (Dn = 300 mm) begins from the well (D=1.0m. H=1,0m.), located near the brigade at Sulkhanishvili street an irrigation channel crossing point, in the village Kurdgelauri and joins to the collector "A" in well # 65.
- 4) Active collector "D", which starts at Meskhishvili street, south of the city, collects fifth part of the city's sewage network and through d=400 mm pipe flows along Telavi-Kvareli highway to the south of the airport and there connects to the well. Due to the pipe has small diameter and is damaged it cannot be used in the future.

The diameters and lengths of the collectors to be installed are given in the table below:

N	Sewage collector pipe diameter, mm	Length, m
1	315	4,550
2	400	5,488
3	600	3,497
4	700	2,705
	Total	16,240

The expected duration of the SP is 12 months.

At several locations, piping will cross the networks of different communication systems, including fiber-optic cables owned by "Delta Com" Ltd, Rustavi-Telavi-Zhinvali d = 200 mm the gas transmission main pipeline and local natural gas supply pipelines, located in the SP corridor. To avoid damaging of the above-mentioned networks during construction works, the operator organizations have been informed in advance regarding the planned activities and design was agreed with them (the relevant letters are attached to the document).

#### (A) IMPACT IDENTIFICATION

Has sub-project a tangible impact on the environment?

The subproject (SP) is expected to have a modest short-term negative environmental impact while its long-term impact is expected to be positive.

The impact during construction phase will be related to the rehabilitation works, which includes installation of new wastewater collectors and arrangement of reinforced concrete sewerage wells. The SP will improve sanitary conditions of city Telavi and its adjacent territories were sewage flows through the old no damaged wastewater collectors, and sewage noncentralized spills in the natural environment.

What are the significant beneficial and adverse environmental effects of sub-project?

The SP is expected to have positive long-term environmental and social impacts through improving technical conditions of the sewage system of city Telavi that will beneficially effect on the sanitation of the town and environment in the proximity of the sewerage system.

The expected negative environmental impacts related to the construction activities will be likely to be short term and typical for medium scale construction works in modified landscape: noise, dust, vibration, and emissions from the operation of construction machinery; generation of construction waste.

No removal of old sewage pipes is planned, they will stay on their old position and new pipes will be installed in parallel of old collectors. So no impacts related to the generation of waste like old damaged and contaminated sewage pipes are expected.

The SP site is located in the environment modified trough anthropogenic impacts. Therefore the impact is transitory and insignificant (noise, emissions, construction waste, temporary disturbance of traffic and access, etc.). proper management of generated solid waste should be ensured to reduce impact on the environment

The impacts during operation of the sewage system will be related to the activities described above, because of maintenance works, and to the generation and discharge of increased amount of wastewater in the natural environment, river Alazani.

May the sub-project have any significant impact on the local communities and other affected people?

No land or other types of resettlement are expected.

The long-term social impact will be beneficial, as local community will be provided with renovated sewerage system. SP will improve sanitation in Telavi and surrounding territories were sewage non-centralized spills in the natural environment, and risk of spreading infectious diseases will be reduced.

Limited and temporary positive impact related to Job opportunities for construction workers during construction and limited during operation is expected.

Negative impact is short term and limited to the construction site. They are related to the possible disturbance described above.

The territory where SP site is located is not under private ownership. United Water Supply company of Georgia who is responsible to manage the water supply and sewage systems in Telavi is carrying out registration procedures and information will be provided later.

#### **(B) MITIGATION MEASURES**

Were there any alternatives to the sub-project design considered?

As the SP envisages rehabilitation of existing sewage main collectors the following alternatives have been considered:

- Digging out and removal of the existing damaged pipes and installation of new pipes in the same position; and
- installation of new pipes in parallel position of the existing collectors without digging out of damaged pipes.

To reduce environmental risks and impacts alternatives 2, installation of new pipes without digging out of existing collectors has been decided.

What types of mitigation measures are proposed?

The expected negative impacts of the construction phase can be easily mitigated. The contractor will be responsible:

- For the waste disposal at the permitted location;
- Use the quarry materials from the licensed quarries only or obtain materials only from licensed providers, prevent water and soil from pollution (fuel spills due to equipment failure, concrete spills etc.);
- Avoid disturbance of population (noise, dust, emissions) through proper work/supplies scheduling, good maintenance of the construction machinery, etc.

• Proper topsoil management. It will be stripped, stored appropriately and used for reinstatement and landscaping.

To avoid negative impacts related to the generation of waste like old unusable sewage collectors, it was decided to leave them in their old location; and install new pipes in parallel of existing position. It is also important to avoid impacts that may be associated with the interruption of sewage collectors operation.

The negative impacts, during operation of system, will be related to the increased amount of sewage, which discharges without treatment in the natural environment, river Alazani.

The design and other required documents of wastewater treatment plant to be constructed in Telavi are under preparation and will be financed as a part of Sustainable Wastewater Management Project (SWMP) supported by WB and granted by SIDA. This will avoid or mitigate at minimum level the sewage related impact.

Within the next five years (2015-2020) it is envisaged to rehabilitate the sewer network of Telavi and its surrounding villages. The rehabilitation programme includes the construction of a new waste water treatment plant on the site of the old WWTP site. Additionally approximately 6.3 km long transport pipelines connecting the sewer network with the WWTP and a 1.65 km effluent pipeline from the WWTP to Alazani river have to be implemented.

The WWTP construction project will contribute removal/reduction of pollutants from the Alazani River. On the bases of the ILF consultant report (Telavi WWTP Feasibility Study *Final Draft, March 2015; A Joint Venture of ILF Beratende Ingenieure ZT GmbH, Saunders Group Ltd. and p2mberlin GmbH – with ILF as Lead*) the intended removal amounts of the pollutants for first phase will be 495.4 tones of BOD and 680.7 tones of TSS for per year and for 2040 will reach to 1814.1 tones of BOD and 1759.7 tones of TSS.

To avoid damaging of the above-mentioned networks during construction works, the operator organizations have been informed in advance regarding the planned activities and design was agreed with them (the relevant letters are attached to the document).

What lessons from the previous similar projects have been incorporated into the sub-project design?

MDF has wide experience of implementation of medium and large-scale water and waste-water subprojects financed by various donor organizations. Based on lessons learned from previous projects, the design envisages not only installation of new sewage manholes but also their hydro-insulation to avoid

	wastewater leakage and groundwater contamination. This measures will prevent infiltration of groundwater into the manholes as well.
Have concerned communities been involved and have their interests and knowledge been adequately taken into consideration in sub-project	The SP has been developed by UWSC in close coordination with Telavi City Hall and Sakrebulo.  SP-specific EMP has been available for the Town Telavi
preparation?	population and discussed prior to the commencement of works, at the consultation meeting held on July 8, 2015 in town Telavi.

# (C) RANKING

The SP has been classified as environmental Category B according to the World Bank safeguards (OP 4.01) and requires completion of the Environmental Management Checklist for Small Construction and Rehabilitation Activities.

# **Social Screening**

	Social safeguards screening information	Yes	No
1	Is the information related to the affiliation, ownership and land use status of the sub-project site available and verifiable? (The screening cannot be completed until this is available)	<b>✓</b>	
2	Will the sub-project reduce people's access to their economic resources, such as land, pasture, water, public services, sites of common public use or other resources that they depend on?		<b>√</b>
3	Will the sub-project result in resettlement of individuals or families or require the acquisition of land (public or private, temporarily or permanently) for its development?		<b>~</b>
4	Will the sub-project result in the temporary or permanent loss of crops, fruit trees and Household infra-structure (such as ancillary facilities, fence, canal, granaries, outside toilets and kitchens, etc.)?		<b>✓</b>

If answer to any above question (except question 1) is "Yes", then OP/BP 4.12 Involuntary Resettlement is applicable and mitigation measures should follow this OP/BP 4.12 and the **Resettlement Policy Framework** 

# **Environmental Management Plan**

## PART A: GENERAL PROJECT AND SITE INFORMATION

INSTITUTIONAL & ADMINISTE	RATIVE
Country	Georgia
Project title	Regional and Municipal Infrastructure Development Project II
Sub-Project title	City Telavi (Kakheti Region) Sewage Collector rehabilitation
Scope of site-specific activity	Sub-Project (SP) envisages rehabilitation of existing central sewerage collectors in Telavi city. The SP site is located in Telavi, main city and administrative center of Kakheti Region, Georgia's eastern province. Its population approximately consists of 21,800 inhabitants. The city is located on foothills of Tsiv-Gombori Mountain Range at 500–800 meters above the sea level.
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	irrigation channel crossing point, in the village Kurdgelauri and joins to the collector "A" in well # 65.  4) Active collector "D", which starts at Meskhishvili street, south of the city, collects fifth part of the city's sewage network and through d=400 mm pipe flows along Telavi-Kvareli highway to the south of the airport and there connects to the well. Due to the pipe has small diameter and is damaged it cannot be used in the future.  The expected duration of the SP is 12 months.				
Institutional arrangements (WB)	Task Team Leade Xiaolan Wang	r:	Dai N	eguards Specialist: rejan Kapanadze Nino Metreveli lichelle Rebosio	
Implementation arrangements (Borrower)	Implementing entity:	Works supervisor: Consulting company Eptisa Servicios de Ingenieria S.L. Spain		Works contractor: (LTD "Constructing Company Mamisoni")	
SITE DESCRIPTION					
Name of institution whose premises are to be rehabilitated  Address and site location of institution whose premises are to be rehabilitated	Vaja Pshavela ave. 76b, Tbilisi, Georgia (central office)				
	SP site is located in to Tbilisi is 110 km.	wn Tela	vi, Kakheti	Region. Distance from	
Who owns the land? Who uses the land (formal/informal)?	government. UWSCG has all responsibilities for management and				
Description of physical and natural environment around the site	General Physical-Geographic Conditions In terms of administrative arrangement, the project site is located in Kakheti Region, Telavi Municipality area.				
	Telavi Municipality shares a border with Akhmeta Municipality to the north and west, with Dagestan Republic – to the northeast, with Kvareli – to the east, with Gurjaai – to the southeast, with Sagarejo Municipality - to the south-west; total area of Telavi Municipality is 1095 km². Agricultural lands				

occupy 33156 ha of this area. Major part of municipal lands are taken by broad-leaved forests.

In terms of orography, the survey area is divided in two zones: southern slope of Caucasus, in particular – Gombori Range and Alazani Valley.

Gombori Range is a large young anticline developed on the substrate of Pliocene Molassa deposits. These deposits are situated in unconformity on the Cretaceous and Paleogene complex-folded flysch deposits. In the crest part of Tsiv-Gombori ridge and upper step of its northern slope, there are fragments of plain-wavy watersheds and denudation surfaces are surviving. They are dissected with gorges characterized with strong mudflow activity.

<u>Climate</u>. According to Georgia's climatic zoning, the area belongs to IIb sub-region of II climatic region. The average temperature in January and July is from -5C to -2C, and +21C to +25C respectively. Annual quantity of precipitation is 700-800 mm.

**Hydrology.** River network of the region is presented by right tributaries of Alazani (Turdo, Vardisubniskhevi, Matsantsara, Telavis Rikhe, Khrukiaskhevi, Svianaantmkhevi, Salmianiskhevi, Kisiskhevi).

<u>Geotectonic zoning.</u> The area belongs to Jinvali-Gombori subzone, the east zone of the folded system of the south slope of the Greater Caucasus.

<u>Engineering geological zoning.</u> The area is located in Neogene marine and continental semi-crystalline and plastic sediments of the eastern immersion zone of the Georgian Block.

<u>collector route.</u> Telavi central sewerage collector with total length of 16230 meters located between km 0 and km 16+230 pickets within the survey area, is entirely arranged in old quaternary alluvial-prolluvial deposits.

<u>Seismicity.</u> The territory of Georgia, as constituent part of seismoactive region of Caucasus, belongs to the meditteranian seismic belt and is located in the moderate seismic activity zone. Pursuant to the law on approval of "Aseismic construction" norms and regulations of the Ministry of Economy and Sustainable Development of Georgia of October 7, 2009, (01.01.09), in terms of general seismic zoning scheme, the survey area falls within the highest risk zone of 9 grade intensity, with 0,28 seismicity coefficient.

<u>Population and Economy:</u> According to the year 2012 data, total number of Telavi Municipality population is 71 200, out of it number of urban population is 19 400, number of rural - 51 800. There are 23 settlements in the Municipality, 22 of them are villages. Population density is 36 man/km², which is far less than the mean density index for the country (67man/km²).

Main livelihood for the population is commerce, agriculture and service industries. The municipal budget, including local revenues and equalizing transfer amounts to GEL 15 387 300.

Locations and distance for material sourcing, especially aggregates, water, stones?

Water will be available at the construction site from the municipal water supply system.

Distance to the nearest licensed borrow pit is approximately 5 km.

#### **LEGISLATION**

National & local legislation & permits that apply to project activity

The SP has been classified as low risk Category B according to the WB policies and the ESMF.

The SP proposal has been officially presented to the MDF by local municipality for financing and represents the need and priority of the Municipal Government according to common demands.

Georgian legislation does not require any type of environmental review, approval, or permitting for the SP. Though according to the national regulatory system:

- (i) construction materials must be obtained from licensed providers,
- (ii) if contractor wishes to open quarries or extract material (rather than purchasing these materials from other providers), then the contractor must obtain licenses for extraction,
- if contractor wishes to operate own concrete plant (rather than purchasing these materials from other providers),

then the	contractor m	nust prepare	technical	report on
inventory	y of atmosphe	ric air polluti	ion stationa	ry source
and agre	ee with Minis	try of Enviro	onment an	d Natural
Resource	es Protection (N	ИоENRP);		

- (iv) Permanent placement of the inert material (cut ground and sedimentary soil) generated in the course of earth works in a selected location must be approved by local (Telavi municipal) governing bodies in written;
- (v) Construction waste must be disposed on the nearest municipal landfill in accordance with written mutual agreement with operating company.

GOST and SNIP norms must be adhered.

#### **PUBLIC CONSULTATION**

When / where the public consultation process will take /took place

EMP prepared for the SP was discussed with the beneficiary community prior to the commencement of works at the meeting held in Music school of town Telavi, on July 8, 2015.

#### **ATTACHMENTS**

Attachment 1: Site location, photos and a sketch of the new building.

Attachment 2: Agreements

Attachment 3: Documents on the public consultation

Attachment 4: Agreements/Permits/Licenses (to be provided)

ENVIRONMENTAL /SOCIAL SCREENING					
	Activity/Issue	Status	Triggered Actions		
	A. Building rehabilitation	Yes [] No	See Section <b>A</b> below		
	B. New construction	[] Yes No	See Section <b>A</b> below		
Will the site	C. Individual wastewater treatment system	Yes [] No	See Section <b>B</b> below		
activity	D. Historic building(s) and districts	[] Yes No	See Section <b>C</b> below		
include/involve any of the	E. Acquisition of land <sup>1</sup>	[] Yes No	See Section <b>D</b> below		
following?	F. Hazardous or toxic materials <sup>2</sup>	[] Yes No	See Section <b>E</b> below		
	G. Impacts on forests and/or protected areas	[] Yes No	See Section <b>F</b> below		
	H. Handling / management of medical waste	[] Yes No	See Section <b>G</b> below		
	I. Traffic and Pedestrian Safety	Yes [] No	See Section <b>H</b> below		

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

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

#### PART C: MITIGATION MEASURES

ACTIVITY	PARAMETER	MITIGATION MEASURES CHECKLIST
<b>0</b> . General Conditions	Notification and Worker Safety	<ul> <li>(a) The local construction and environment inspectorates and communities have been notified of upcoming activities</li> <li>(b) The public has been notified of the works through appropriate notification in the media and/or at publicly accessible sites (including the site of the works)</li> <li>(c) All legally required permits have been acquired for construction and/or rehabilitation</li> <li>(d) The Contractor formally agrees that all work will be carried out in a safe and disciplined manner designed to minimize impacts on neighboring residents and environment.</li> <li>(e) Workers' PPE will comply with international good practice (always hardhats, as needed masks and safety glasses, harnesses and safety boots)</li> <li>(f) Appropriate signposting of the sites will inform workers of key rules and regulations to follow.</li> </ul>
A. General Rehabilitation and /or Construction Activities	Air Quality	<ul> <li>(a) Demolition debris shall be kept in controlled area and sprayed with water mist to reduce debris dust;</li> <li>(b) During pneumatic drilling/wall destruction dust shall be suppressed by ongoing water spraying and/or installing dust screen enclosures at site</li> <li>(c) The surrounding environment (sidewalks, roads) shall be kept free of debris to minimize dust</li> <li>(d) There will be no open burning of construction / waste material at the site</li> <li>(e) There will be no excessive idling of construction vehicles at sites</li> <li>(f) Truck loads should be confinement and protected with lining.</li> </ul>
	Noise	<ul> <li>(a) Limit activities to daylight working hours;</li> <li>(b) During operations the engine covers of generators, air compressors and other powered mechanical equipment shall be closed, and equipment placed as far away from residential areas as possible</li> <li>(c) The machinery should move only along the preliminarily agreed route;</li> <li>(d) The maximum allowed speed should be restricted;</li> <li>(e) Proper technical control and maintenance practices of the machinery should be applied;</li> <li>(f) No-load operations of the vehicles and heavy machinery is not allowed. Proper mufflers will be used on machinery.</li> </ul>
	Water Quality	<ul> <li>(a) Contractor will be required to organize and cover material storage areas and to isolate wash down areas from watercourses by selecting areas that are not free draining into any watercourse. The material storage sites should be protected from washing out during heavy rain falls and flooding through covering by impermeable materials.</li> <li>(b) Contractor will plan all excavations, topsoil and subsoil storage so as to reduce to a minimum any runoff.</li> <li>(c) 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 nearby streams and rivers.</li> <li>(d) Revision of vehicles will be required to ensure that there is no leakage of fuel and lubricating materials. All machinery will be maintained and operated such that all leaks and spills of materials will be minimised. Daily plant checks (Vehicle Maintenance Procedure) will be undertaken to ensure no leaks or other problems are apparent. Vehicle maintenance, cleaning, degreasing etc. will be undertaken in designated areas, of hard-standing, not over made ground. Maintenance points will not be located within 50m of any watercourse.</li> <li>(e) Lubricants, fuel and solvents should be stored and used for servicing machinery exclusively in the designated sites, with adequate lining of the ground and confinement of possible operation and emergency spills. Spill containment materials (sorbents, sand, sawing, chips etc.) should be available on construction site.</li> </ul>

T		
	Wet cement and/or concrete will not be allowed to enter any watercourse, pond or ditch.	
	Upon completion of washing and disinfection of water reservoir and water pipe the disinfection solution will be	
	neutralized by the contractor prior to release to the environment – to avoid damage to terrestrial or aquatic org	anisms.
	In the case of disinfection via chlorination this is achieved by application of a reducing agent, such as s	odium
	bisulfate to achieve de-chlorination. The reducing agent, in turn, must be applied by the contractor at	the
	precise dosage to neutralize the disinfectant – but no more, since reducing agent residuals are also	
		be
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Waste management		olition
Tracte management	and construction activities.	
		wastes
Material supply		
,		
		if
		s, etc. t
	prove that all materials are obtained from licensed providers.	
	Haul materials in of peak traffic hours;	
	Place speed regulating, diverting, and warning signs for traffic as appropriate.	
Earthworks		
	•	of the
	Stored topsoil should be used for reinstatement and landscaping.	
	Topsoil from the sites, which will not be reinstated to the initial conditions will be distributed carefully on the	
	surrounding area.	
	Topsoil will be reinstated separately from subsoil, with care taken to avoid mixing of the materials. The topsoil	
	reinstatement will be sufficient to restore the fertile depth to the initial conditions as judged by the topsoil strip	during
	visual observation and comparison of the reinstated site and adjacent land. When replacing the topsoil Contract	or will
	program the works such that the areas furthest away from the stockpiles are reinstated first with reinstatement	getting
	progressively closer to the stockpiles, thus reducing the number of vehicle movements over the reinstated topso	il. The
	reinstated topsoil will then be harrowed, where practical, to protect the stability and promote vegetative growth	١.
	In case chance find is encountered in the course of earth works, the contractor must immediately stop any physi	cal
	activity on site and informs the MDF. The MDF promptly notifies the Ministry of Culture and Monument Protect	ion,
	which takes over responsibility for the following course of action. Works may resume only upon receipt of writte	n
	permission from the Ministry of Culture and Monument Protection.	
	Waste management (a) (b) (c) (d) (e) (f) Material supply a) b) c) d) e)  Farthworks a) b) c) d)	(g) Upon completion of washing and disinfection of water reservoir and water pipe the disinfection solution will be neutralized by the contractor prior to release to the environment – to avoid damage to terrestrial or aquatic org In the case of disinfection via chlorination this is achieved by application of a reducing agent, such as s bisulfate to achieve de-chlorination. The reducing agent, in turn, must be applied by the contractor at precise dosage to neutralize the disinfectant – but no more, since reducing agent residuals are also detrimental to aquatic ecosystems. Releasing of neutralized water to the environment by the contractor will agreed with the local municipality.  (a) Waste collection and disposal pathways and sites will be identified for all major waste types expected from dem and construction activities.  (b) Mineral construction and bemolition wastes will be separated from general refuse, organic, liquid and chemical on-site sorting and stored in appropriate containers.  (c) Construction waste will be collected and disposed properly on the agreed location.  (d) The records of waste disposal will be maintained as proof for proper management as designed.  (g) Whenever feasible the contractor will reuse and recycle appropriate and viable materials (except asbestos)  Material supply  (g) Whenever feasible the contractor will reuse and recycle appropriate official approval or valid operating license.  (g) Obtain licenses for any new quarries and/or borrowing areas as extraction orporation is required;  (g) Obtain wood materials only from licensed suppliers.  (g) Obtain wood materials only from licensed suppliers.  (g) Obtain wood materials only from licensed suppliers.  (g) Place speed regulating, diverting, and warning signs for traffic as appropriate.  Topsoil should be stripped before starting of earthworks;  (g) Place speed regulating, diverting, and warning signs for traffic as appropriate.  Topsoil should be supplied to the ensured to maintain physico-chemical and biological activity soil; Te

B. Individual wastewater treatment system	Water Quality	<ul> <li>(a) The approach to handling sanitary wastes and wastewater from building sites (installation or reconstruction) must be approved by the local authorities</li> <li>(b) Before being discharged into receiving waters, effluents from individual wastewater systems must be treated in order to meet the minimal quality criteria set out by national guidelines on effluent quality and wastewater treatment</li> <li>(c) Monitoring of new wastewater systems (before/after) will be carried out</li> <li>(d) Construction vehicles and machinery will be washed only in designated areas where runoff will not pollute natural surface water bodies.</li> </ul>
<b>H.</b> Traffic and Pedestrian Safety	Direct or indirect hazards to public traffic and pedestrians by construction activities	<ul> <li>(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:</li> <li>Signposting, warning signs, barriers and traffic diversions: site will be clearly visible and the public warned of all potential hazards</li> <li>Construction site should be fenced and properly secured to prevent unauthorized access (especially of children);</li> <li>Appropriate lighting and well defined safety signs should be provided;</li> <li>Adjustment of working hours to local traffic patterns, e.g. avoiding major transport activities during rush hours or times of livestock movement</li> </ul>

#### PART D: MONITORING PLAN

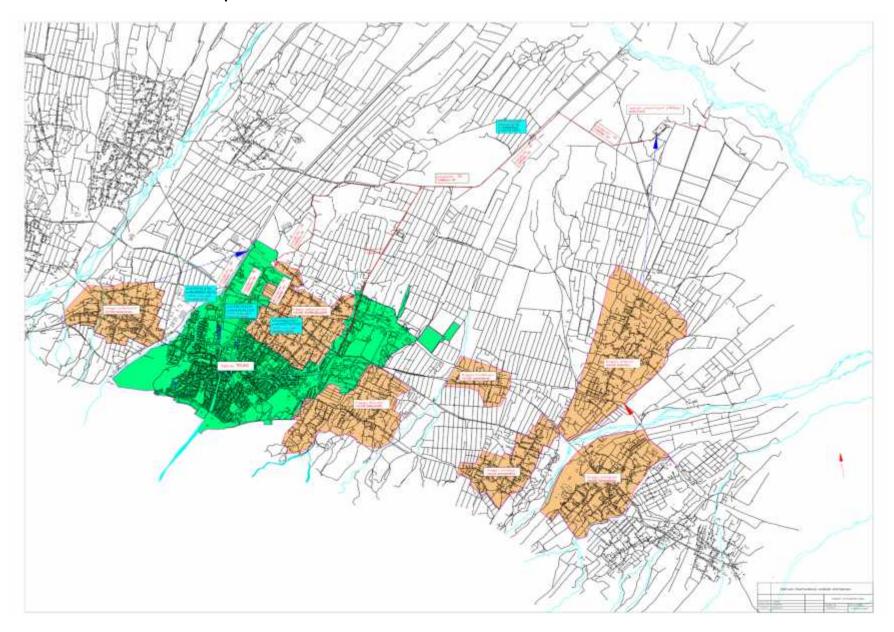
Activity	What	Where	How	When	Why	Who
	(Is the parameter to be monitored?)	(Is the parameter to be monitored?)	(Is the parameter to be monitored?)	(Define the frequency / or continuous?)	(Is the parameter being monitored?)	(Is responsible for monitoring?)
		CONSTRUCT	TION PHASE			
Supply with construction materials	Purchase of construction materials from the officially registered suppliers	In the supplier's office or warehouse	Verification of documents	During conclusion of the supply contracts	To ensure technical reliability and safety of infrastructure	MDF, Construction supervisor
Transportation of construction materials and waste;  Movement of construction machinery	Technical condition of vehicles and machinery; Confinement and protection of truck loads with lining; Respect of the established hours and routes of transportation	Construction site	Inspection	Unannounced inspections during work hours and beyond	Limit pollution of soil and air from emissions; Limit nuisance to local communities from noise and vibration; Minimize traffic disruption.	MDF, Construction supervisor, Traffic Police
Earthworks	Temporary storage of excavated material in the predefined and agreed upon locations;  Backfilling of the excavated material and/or its disposal to the formally designated locations;  In case of chance finds	Construction site	Inspection	In the course of earth works	Prevent pollution of the construction site and its surroundings with construction waste;  Prevent damage and loss of physical cultural resources;  Prevent topsoil losses.	MDF, Construction supervisor
	immediate suspension of works, notification of the				Transcar topoon losses.	

Activity	What	Where	How	When	Why	Who
	(Is the parameter to be monitored?)	(Is the parameter to be	(Is the parameter to	(Define the frequency / or	(Is the parameter being monitored?)	(Is responsible for monitoring?)
		monitored?)	be monitored?)	continuous?)		
	Ministry of Culture and Monument Protection, and resumption of works exclusively upon formal consent of the Ministry.  Topsoil is striped before			Construction		
	starting of the earthworks;  Proper topsoil storage practice			period: starting from topsoil		
	is applied; Temporary protective silt fencing is erected;			stripping and ending with reinstatement		
	Striped topsoil is used for reinstatement and landscaping.					
Sourcing of inert material	Purchase of material from the existing suppliers if feasible;	Borrowing areas	Inspection of documents Inspection of	In the course of material extraction	Limiting erosion of slopes and degradation of ecosystems and	MDF, Construction supervisor
	Obtaining of extraction license by the works contract and strict compliance with the license conditions;		works		landscapes; Limiting erosion of riverbanks, water pollution with suspended particles	
	Terracing of the borrow area, backfilling to the exploited areas of the borrow site, and landscape harmonization;				and disruption of aquatic life.	
	Excavation of river gravel and sand from outside of the water					

Activity	What	Where	How	When	Why	Who
	(Is the parameter to be monitored?)	(Is the parameter to be monitored?)	(Is the parameter to be monitored?)	(Define the frequency / or continuous?)	(Is the parameter being monitored?)	(Is responsible for monitoring?)
	stream, arrangement of protective barriers of gravel between excavation area and the water stream, and no entry of machinery into the water stream.					
	Construction vehicles and machinery are washed only in designated areas where runoff will not pollute natural surface water bodies.					
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	Inspection	Periodically during construction and upon complaints	Prevent pollution of the construction site and nearby area with solid waste	MDF, Construction supervisor
Workers' health and safety	Provision of uniforms and safety gear to workers;  Informing of workers and personnel on the personal safety rules and instructions for operating machinery/equipment, and strict compliance with these rules/instructions	Construction site	Inspection	Unannounced inspections in the course of work	Limit occurrence of on- the-job accidents and emergencies	MDF, Construction supervisor

Activity	What	Where	How	When	Why	Who
	(Is the parameter to be monitored?)	(Is the parameter to be monitored?)	(Is the parameter to be monitored?)	(Define the frequency / or continuous?)	(Is the parameter being monitored?)	(Is responsible for monitoring?)
		OPERATIO	ON PHASE			
Maintenance of rehabilitated sewage collectors	Scheduling of maintenance works in at less busy hours and proper signage of maintenance area.	Rehabilitated collectors	Inspection	During operation of sewage system	Minimize nuisance to local residents Prevent pollution with solid waste	Telavi City Hall; United water supply company of Georgia

Attachment 1: Site location and pictures



# Overflow into Irrigation channel at Kurdgelanzi Street and possible measurement shaft





End of main trunk leading to Irrigation Channel (Akhmeta to Dedoplistkaro) at Alazani Boulevard (the sewer ends after further 50m in a flooded pit hole)



End of the old sewer trunk to Telavi WWTP beside the state road to Alazani Bridge



Telavi main sewer draining to irrigation channel

Attachment 2: Communication with entities owning/operating linear infrastructure in the subproject area crossed or potentially affected by upcoming works on sewage collectors





No.52/02-15 13.02.2015

> საქართველოს გაერთიანებული წვილმიმატაბას კომპანიის დირექტორის მოაცვილეს ტექნიკურ და თაბურიტების საკოთხებში ბიტონ ლევინ ვაშიკიძეს

#### Sugarfay geografic

თქვენი მიშლინარე Vzeoli 08 იანერის N87/1 Vერილის პასუსად გაცნობესთ, რომ თქვენი კომპანიის მიურ ქალაქ თვლაქმი. კანალიზალის გამყვას კოლექტორის მოწყობისათვის განსახორცლელებული სამუშათების Vარმოებას აუცალებელია ესVრებოლეს შას კოვლტა კომმა"-ს თანამშრიასული.

ამასითან, შას "დეგლეა კომსა"-ს საკულრებაში არსებულ ოპეიკურ-ბოქკოვან კაბულოან საშუშალები უნდა განხორციელდებ ჩვენი წარჩიისადგენლის მკიდრი ზუგამხედუელიბის ქვემ შემდუკი (აუმიკური პირობების გათვალისწინებით:

- კელი უნდა განხორციელდეს კომენიკაციის ქვემოდან ან ზემოდან არინაკლებ 0.3 მეტრისი გარსიცაც ფოლადის ან პოლაციის მილში.
- სამშენებლო სამუშალების წარმლებისის მცქანი სმებისა და ტექნიკური სამუალებების გამოვენება დასამვებია მპს დელტა კომში-ს საკუთრებაში არჩებული კომუნიკაციიდან არასაკული 3 მეტრის დამორებით.
- ხოლო, კომენიკალიდან 3 მეტრზე ნაკლების მანძალის შემთხვეცაში სამუშაოები უნდა შებრულდეს ხელით, ჩვენი წარმომალებლების აუცილებელი თანდაჩებებით.
- თუ. თქვნთ კომენთკიდია პარალელურად მაუცება ნეცნას, მაშინ განათუალიწინებელია ის, რომ დამორება მათ შორის ან იეოს 15 ჩზე ნაკლება გონოვი, მიწის სამუშაოების დაწეების გონო გედენობოთ წინახწან და არისაკლებ ნაში დღით ადრე დაუკავებირდეთ ნეებს თანამშინიმელს მემდუ, საკონტაქტთ ნომრებზე

ეანო ფიბუტი: 577 58 55 16

032 234 34 68.

პატიციხვემით დირექტორი



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No. 1/06 - 1/28 - 01/4 - 28 - 01 - 2015 6

შპს "საქართველოს გაერთიანებული წყალშომარაგების კომპანიის" ლირექტორის მოადგილეს ტექნიკურ და ოპერირების საკითხებში ბატონ ლევან ვაშაკიძეს

ასლი: საქართველოს ნავთობისა და გაზის კორპორაციის დირექტორს ტექნიკურ საკითხებში ბატონ ზაქარია ავალიანს

#### ბატონო ლევან,

თქვენი მიმდინარე წლის 8 იანერის Ni-87/1 წერილის პასუბად გაცნობები, რომ თქვენს მიერ წარმოდვენილი ქთელავის კანალოზაციის გამვეანი კოლექტორის პროექტით, რუსთავი-თელავი-ყანვალის დ 200 80 მაგისტრალური გაზხადენი იკევთება 1 ადგილზე, გაზხადენის 133 კმ-ზე.

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საქართველოს გაზის ტრანსპორტირების კომპანია წინააღმდეგი არ იქნება შპს "საქართველოს გაერთიანებულმა წვალმომარაგების კომპანიამ" განახორციელოს აღნიშნელი სამუშაოები სპეციალური ტექნიკური პირობების გათვალისწინებით;

 სამუშიოების წარმოებისას უპირობოდ უნდა იყოს დაცული საქართველოს მიავრობის 2013 წლის 24 ღეკემბრის № 365 დადგენილების მოთხოვნები.

- სამშენებლო სამუშაოების ღაწეებანდე მშენებარე ორგანიზაციამ საგურამოს სახაზო-საექსპლოატაციო ფილიალში უნდა მიილის დაწესებული ფორმის წერილობითი ნებართვა (მისამართი: სოც.საგურამო, დირექტორი იური ბურდული, საკონტაქტო ტელეფონი 577 37-17-17, 599 51-81-05).
- წერილობითი ნებარაივის მილების შემდეგ საექსახლეატაციო ფილიალის წარმომადგენელთან ერთად ადგილზე დაზუსტდეს მაგისტრალური გიზსადენების ადგილმდებარეობა და სიღრმე, განლაგება, მიმართულება და სხვა.
- მშენებლობის პროცებში აუცილებელია საექსპლოატაციო ორგანიზაციის იმ წინაღაღებების გითვილისწინება, რომელიც უზრუნეელყოფს სამუშაოთა უსაფრთხოდ წარმოებას და გაზსაღენების დაცვას დაზიანებისაგან.
- 5. ბრძანებით უნდა დაინიშნოს სამუშაოთა წარმოებაზე პასუხისმგებელი პირი.
- 6. გაზსლენის ლაცვის ზონაში მიწის სამუშაოების მექანიზმებით შესრულებისას მექანიზმის ობერატორზე (მემანენაზე) გაცემულ უნდა იქნეს განწეს-დაშვება წერილობითი ფორმით, სადაც განსაზღერული იქნება სამუშაოთა უსაფრთხოდ შებრულების პარობები.

- მაგინტრალურ გაზსალუნზე მძიმე ტექნიკით გადახელა უნდა მოხლეს წინასწარ მოწყობილ სპეციალურ გადასახულელებზე, მოქწყოს მიწყყრილები 0.50 სიმალების და ზეციდან დალაგლეს 20 სმ სისტის რკინა-ბეტონის ფილები.
- ერალიზიციის კოლექტორით მფისტრალური გაზსადენის გიდაკეეთის შემთხვევაში გაზსადენიდან ორივე მზარეს 2 (ორი) შეტრის მანძალზე მიწის სამუშაოები უნდა შებრულდეს მზოლოდ ზელით (საექსპლოატაცით ფილიალის წარმომადგენლის მეთვალერეთბის ქვეშ).
- లాం ప్రస్తున్నాయి ప్రాల్పానిస్తారం గంట్లున్న ప్రాక్ పింట్లున్నాయి.
   లాంకిగాగ్స్ ప్రాక్టాలు బ్లోక్స్ ప్రాక్ ప్రాక ప్రాక్ ప్రాక ప్రాక్ ప్రాక ప్రాక్ ప్రాక
- გაზსაფენი უნდა გადააკვეთოს მილის ძირიდან არანაკლებ 0.350 სილრმეზე (ლოთონის გარემის მილშა).
- შესაბლებულია ზევილან გადაკევთიც, თუ დაცული იქნება ნორმით გათვალისწინებული ჩაღრმადებები.
- 12. გაზსადენის გადაკული უნდა პოზდეს არანაკლები  $60^{\circ}$ -იანი გულზით.
- 13. გაზსალენების გადაკეეთის აღგილებში, ეველგან დაიდგას გამაფრთბილებელი ნიშნები, რომელიც მთეთითებს კანალიზაციის კოლექტორის აღგილმდებარებას.
- საკანალიზაციო კოლექტორის საპროექტი და სამწენებლო სამუშაოების ჩატარება უნდა შეთანბსეს მიწის მულიბელიან

golośwa: gagogganak lejyla - 1 grzegoga

პატივიზცემით

ზვიად როსტომაშვილი

გენერალური დირექტორის პირეელი მოაღგილე 9 - 6

# ᲡᲐᲥᲐᲠᲗᲕᲔᲚᲝᲡ ᲜᲐᲕᲗᲝᲒᲘᲡᲐ ᲓᲐ ᲒᲐᲖᲘᲡ ᲙᲝᲠᲞᲝᲠᲐᲪᲘᲐ GEORGIAN OIL AND GAS CORPORATION



hajahagggun sebezaha, 0190 gabguni ahabaggneso 21 Soc; (+995 32) 224 40 40 griffer (+995 32) 224 40 41

21 Kalcheti Highway, Tbillisi 0190, Georgia Tel: (+995 32) 224 40 40. Fax: (+995 32) 224 40 41

N. 2001-7-15-02/5

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შპს "საქართველოს გაზის ტრანსპორტირების კომპანიის" გენერალურ დირექტორს ბატონ მამუკა კობახიძეს

ასლი: შპს "საქართველოს გაერთიანებული წყალმომარაგების კომპანიას"

ბატონო მამუკა,

რეაგირეზისათვის გიგზავნით bb "საქართველოს ნავთობისა და გაზის კორპორაციაში" შემოსული შმს "საქართველოს გაერთიანებული წყილმომარაგების კომპანიის" 2015 წლის 8 იანვრის №87/1(83ენი №01-1301-1) წერილის ასლს.

გთხოვთ, განიხილოთ აღნიშნელი წერილი და პასუხი აცნობოთ შპს "საქართველოს გაერთიანებული წყალმომარაგემის კომჰანიას".

დანირთი: I ფურცელი და I CD,

პატივისცემით,

დირექტორი ტექნიკურ საკითხებში



# Ს/Ს ᲕᲘᲡᲝᲚ ᲞᲔᲢᲠᲝᲚᲘᲣᲛ ᲯᲝᲠᲯᲘᲐ J.S.C. WISSOL PETROLEUM GEORGIA

26 იანვარი, 2015 წ. #01/97

> საქართველოს გაერთიანებული წყალმომარაგების კომპანიას

თქვენი წერილის (N·87/1/08.01.2015) პასუხად გაცნობებთ, რომ თქვენს მიყრ მოწედილი კანალიზაციის ტრასახა და ჩვენს კომუნიკაციებს შორის, რამოდენიმე აღგილზე ხდება გადაკვეთა, სადაც აუცილებელ პირობად უნდა ჩაიდოს, ამ აღგილების ხელით დამუშაეება.

მთულ რიგ მონაკვეთზე იკვეთება ჩვენს კომუნიკაციასთან პარალელურად მიწის სამუშაოების ჩატარების საჭიროება. ამ მონაკვეთებზე გზის ორივე მხარეს მღებარე აბონენტებს მიეწოდებათ ასევე მიწისქვეშა გაზსადენებით ბუნებრივი აირი. (განივად). თითოეულ ასეთ მონაკვეთზე საჭიროა ასევე სიმუშაო გათხრა შესრულდეს ხელით.

გაზსადენის დაზიანების შემთხვევაში, ვიტოვებთ უფლებას მოვითხოვოთ მოვენებული ზარალის ანაზღაურება.

სამუშაოების დაწყების დღიდან ჩვენი წარმომადგენელი გაგიწევთ კონსულტაციებს, რომლის საკონტაქტო ტელეფონია 5 77 21 22 73 ბატონი გია მუმლაური.

გენერალური დირექტერი

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საქართველოს გაერთიანებული წყალმომარაგების კომპანიის დირექტორის მოადგილეს ტექნიკურ და ოპერირების საკითხებში ბ-ნ ლევან ვაშაკიძეს

ბატინი ლევან.

შემოსული წერილის N87/1 პასუბად გაცნობებთ, რომ პროექტით აღნიშნულ ტერიტორიაზე გადის ს.ს. "სილქნეტის" კომუნიკაციები, რომლის გადაკვეთის წერტილები აღნიშნულია CD-დისკზე.
სამუშაოების დაწყების წინ აუცილებელია გამომახებულ იქნას ს.ს. "სილქნეტის" წარმომადგენელი.

ოპერატიული მართვის გაწყოცილება: 2950029; 2932740

დანართი: 1. CD დისკი (2 ცალი) 2. შეთანხმების დანართი #4

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სააბონენტო ქსელის განვითარებისა და ექსპლოატაციის მიმართულების დირექტორი 43 4 5

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ას კალექტით გათქალისწინებული სამუშაიები: აროექტით გათქალისწინებული სამუშაიები:

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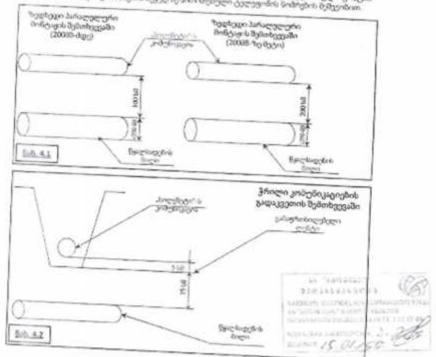
  განამცებირე ნეზართვის გაცემით, ნეზართვის მიშღები ადახტურებს თაცის ვალდებულებას უზრუნვლურა სა
  მათერ ქათებს ანალოვიური შეზართვის გაცემა რი მიურ წინამდებარე შეზართვაში მითითებულ (ან მია
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  მარება მიურ მატებალ ტეზიტარისიზე ბიტანაქვება ანტა მიტანატის სატარიტის შეზახევებში.

  ამ შეზარევებში, თუ სა მოლექეტირა მაურ გაომოდებული სატარების შეზახევებში.

  ამ შეზარევებში, თუ სა მოლექეტირა მაურ გაომოდებული კარებატისიტებული საზოებნი წიგებაბის
  მეზახევებში.

  ამ დატარებული გამხეაფიციება მიტარების გამმცხადებული ვალდებულია.

  მა აღმიშნელი ფაქტი შეატარისის სახუმაშიები.
  მა აღმიშნელი ფაქტი შეატარისის მამ ზალემეტირა წარმომადებელს ულებტრომული ფორტის.
  (info Center இამსოძ com) და შეთამშტაბის ბემეფიზის.



#### Attachment 3: Documents on the public consultation

July 8, 2015 Town Telavi, Georgia

#### Minutes

#### of Public Consultation Meeting

#### of Environmental Management Plan for the Sewage Collector rehabilitation SP in town Telavi

On July 8, 2015 in the Niko Sulkhanishvili Music School building, located in town Telavi, Public Consultations were held on Social and Environmental Management Plan for the SP of Sewage Main Rehabilitation in town Telavi. The meeting aimed at keeping local population abreast of sub-project related planned activities, the expected negative impact on the natural and social environment and the ways and means of preventing them.

Those present at the meeting:

Representatives of the Town Telavi Administration: Giorgi Enukidze, Beka Ebatashvili,

Zurab Abuashvili – "Telavi is my Town"

Tamar Lazariashvili – Chairman of "Telavi is my Town"

Jumber Sakhenishvili - "Public Chamber"

Zurab Gelashvili - "Public Chamber"

Davit Tsikaridze - Executive Unit "Old Telavi"

Giorgi Kurashvili - Executive Unit "West Telavi"

Lasha Gigauri - Executive Unit "Central Telavi"

Local residents: Sveta Ninikelashvili, Tamar Chavelashvili, Besik Gigauri, Ioseb Papunashvili, Vazha Kajrishvili, Zurab Tavberidze, Zurab Lomidze, Giorgi Mchedlishvili,

Representatives of mass media:

Meri Zaalishvili – Journalist

Zurab Arsenishvili – Journalist

Davit Ghonghadze - Radio "Hereti", blogger

#### Representatives of the Municipal Development Fund of Georgia:

Nino Patarashvili - Environmental Safety Specialsit,

Nona Chichinadze – Social and Gender Specialist

Davit Bakhsoliani – Resettlement Specialist

Irakli Japaridze – Environmental Protection and Resettlement Unit, probationer

During the meeting, Nino Patarashvili briefly informed the audience of the SP aims and about construction works to be implementated under the SP.

Nino Patarashvili presented to the audience the draft Environmental Management Plan prepared for the SP. She explained to the public social and environmental screening procedures applied for the WB funded SPs and environmental and social requirements of the presented SP. She discussed works planned under the Sub-project; social and environmental impacts expected as a result the SP activities and measures for mitigation or prevention of anticipated adverse impacts of the SP. She briefly touched on the wastewater treatment plant construction project to be implemented in Telavi under the sustainable wastewater management project, which is being implemented by the MDF and is backed by the World Bank and SIDA grant. N. Patarashvili noted that these two projects will be carried out concurrently, independently of one another, in order to minimize the expected adverse impact related to effluent discharge into the river Alazani.

Nino Patarashvili also noted that EMP forms integral part of the contract made with the civil works contractor and that the contractor is responsible for performance of mitigation measures envisaged under the EMP and protection of social and natural environment. She informed the participants of the contact persons to be communicated by the population in case of existence of any complaints concerning environmental or social issues.

N. Chichinadze discussed social and gender related project impacts, she focused on the benefits to be derived by the population as a result of project implementation, which mainly implies generation of temporary and permanent job opportunities; as well as health and safety issues, women employment, significance of the project in terms of business and tourism development, community involvement and perspectives of improvement of accountability of the local governments, and importance of transparency and information awareness during project implementation.

After the presentation, the audience was given a possibility to express their opinions and/or participate in Q&A session concerning presented issues, they posed the following questions:

Questions and remarks	Answers and comments
When will the wastewater treatment plant construction commence?	The design and such other requisite documentation is prepared, we cannot set any precise deadlines so far, though preparatory works are ongoing in order to obtain the required permits, prepare bidding documentation and select the contractor company in the shortest possible term.
Where will the new wastewater treatment plant be constructed?	Construction of the biological wastewater treatment plant is envisaged in place of the old WWTP. Under the project, the old plant will get dismantled and a new, current technology biological treatment plant will be constructed.
Is it possible to rehabilitate under the project sewage pipeline sections and sewage manholes located in the yards?	As we have already mentioned, the present project envisages rehabilitation of the Telavi sewage main and associated sewage manholes and no other works are eligible for funding under this sub-project.
Specify, who is capable of providing assistance.	For addressing the existing problem, you may apply to the Telavi City Hall and United Water Supply Company of Georgia, which is responsible for faultless operation of the city water supply and sewerage systems.

At the end of the meeting the audience expressed their positive attitude towards the project and their wish for the sewerage collector rehabilitation works and WWTP construction works to be concurrently completed, in order to prevent wastewater runoff into the river Alazani and its pollution.

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

Minutes prepared by Nino Patarashvili, MDF Environmental Safety Specialist.

# Photos



რეგიონული და მუნიციპალური ინფრასტრუქტურის განვითარების მეორე პროექტი თელავის საკანალიზაციო მთავარი მაგისტრალის რეაბილიტაცია ქვე-პროექტის გარემოს დაცვის მართვის გეგმის საჯარო განხილვა

## 8 ივლისი 2015 წელი

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## Agreement on Excessive ground disposal



#### ხელშეკრულეგა N-1

ქ თელავი

07.01.2017

ერთის მხრიც ფიზიკური კირი ლეცან ნინიშვილი 3/6 (10020000594 წოდებული წემდგომში დამკვეთად და მეორცს მზრიც შას სამშენებლო კომპანია "მამისთხი" წარმოდეგნილი მასი გენერალური დირექტორის, ავთანდილ ჩალაძის სახით წოდებული შემდგომში "შემსრულებლად" ვდებთ წინამდებარე ხელშეკრულებას შემდგგზე:

#### I ხელშეკრულების საგანი

 "დამკვეთი" უფლებას ამლეეს მპს სამმენებლო კომპანია "მამისონს", ქ.თელავში კერმო საკუთრებაში არსებულ არისასოფლო სამეურნეო მიწაზე, საკკოდა 53.08.37.027, ილია ჭავჭავამის ქ. N226-ში განათავსოს აამმენებლო ნარჩენები და თელავის საკანალიზაციო კოლექტორების, ტოახმეების გათხრის მედეგად ამოღებული ზედმეტი გრუნტი.

მხარეთა ყველება პოვალეობები

 "დამკვეთი" დროცბით სარგემლობაში გადასცემს "შემარულებელს" ხელმეკრულებით გათვალისწინებულ ბიჟის ნაკვეთს

 სამშენებლო ნარჩენების და ზედმეტი გრენტის ყოველ პარტიას, თან უნდა აბლდეს სასაქონლო ზედნადები, რომელიც იგზავნება ელექტორინულად.

#### III. toggetheregook gaga

 ხელშეკრულება ბალაში შედის მხარეების მიერ მისი ხელმოწერის დღიდან და მიქმედება 2017 წლის 25 დეკყმბრამდე.

IV. დარეთა რეკეიზიტები

..დამკევთი" ფ.პ. ლევან წინომვილი პ/5 014020000594 ილია ჭავქავაძის N-236 "შემარელებელი" მპჩ სკ "მამისონი" ს/კ 205204250 ვ.ფმაველას გამზ 71 N-1 ქათბილისი გენ. დითექტორი



#### Agreemtn on gravel purchase

#### ნახციდობის ხელშეკრულება

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#### I. bage Талбундердой Корабо

 სელშეკრელების საგანს წარმოადგენს "სიწოდებლის" მიერ "მემსციდეგლისათუის" ქაიშის მიწოდება, რაოდენოშით თვეში 800 კუბ.0, სატრანსპორტო საშუალებებზე დატეირთეის ჩათვლით.

1.2. ხელშეკრულების საგნის პიწოლებას "შემხვილელი" განასირციელებს საკუთარი სატრანსპორეთ საშუილებით

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#### III. kggg შეკრულების სიენის მიწოდების ვადები

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- 4.1. მიჩწოლებელთან ანგარიშსწორება სიოსკოვლები დარებში.
- 4.2. მომსახურების ანაზღაურება ხიება ავანსი მოფითნი მოცელობის 50%, ხოლო დანარენი 50% საბწყობშო თვის დამთავრებიდას, არა უგვიანეს კოველი მომდეგნო იყვის 18(ათი) კალენდარული დღისა.

#### V. Bhartigma უფლება-მოვალეობანი

- 5.1 "hillinggager" pegraphagens
- 5.1.1. აერობის "მიმწოდებელს" უგულა გარემოების შესაბებ ბელშეკრულებით გათვალისწინებული მოწოდების შებრულებისას.
- 5.1.2 ბელმგერელებით გითეალისწირებული პირიპებით, აუნიზლიურის "მიშწოლებელს" გაწუული მამსიბურების სრული ლირებულები.
- 5.2. "hjëlejograpayle" prograde adale.
- 5.2.1. განახორეთელის კონტროლი და ზედამხევლელიბა "მამწოლებლის" მიერ ჩედზეკრულების პირიებების დაცვიზე.
- 5.8. "hill/mggbggg" gaggggbggeni
- გარეტის სელშეკრულებით გათვალისწინებული ყველა პირობა.
- 5.3.2. Bud regerle "Hallbyogggggels" bud fragger Bookinghole Balls Asilishog.
- 5.3.3. SewCennels "Spillspagggggd" harbolchaules Salasges.

#### VII. bage and propagate in the party of the

- 8.1. იმ ხელ შეკრულების მოქმედების ვიდი გინისიზლერები 05.01.2017წ-ლინ 31.010.2017 წ. ჩათელით.
- სელშეკრულების მიქმედების გადა დისრულებულის ათელება მხირეთა შირის ნაკისრი ცალობულებების სრულიდ მესრულებისის.

#### υδηδηθού υποδηδόσου ΧΙ

- 9.1. წარამცებირე ჩელ"მეკრულებაში დიმიტებების და ცელილებების შეტანა შესახლებულია მხოლოდ მხარეთა შეთაჩხმებით ამანთან, ცელილებ ან დამიტება შესრულებული უნდა იყონ წერილობით და სათანათო ჩელმოწერილი მხარეთა მიერ.
- 9.2. ბელმეკრელება შეგუკრილია ქართულ ენაზე თანაბარი იურილული ძალის მქონე 2 (იირი) ეგზემმდარად და მხარეებს შესანიბილ გადავცემათ თითა ეგზემმდარი.