Semi-annual Environmental Monitoring Report

Project Number: 42414-043 Reporting period: July-December 2018

GEORGIA: SUSTAINABLE URBAN TRANSPORT INVESTMENT PROGRAM, Tranche 3

(Financed by the Asian Development Bank)

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Abbreviations

ADB	Asian Development Bank
EA	Executing Agency
EARF	Environmental Assessment and Review Framework
EIA	Environmental Impact Assessment
EIP	Environmental Impact Permit
ЕМР	Environmental Management Plan
EPSM	Engineering Procurement and Construction Management
GoG	Government of Georgia
SUTIP	Georgian Sustainable Urban Transport Investment Program
IA	Implementing Agency
IEE	Initial Environmental Examination
MDF	Municipal Development Fund of Georgia
MFF	Multi-tranche Financing Facility
MoEA	Ministry of Environmental Protection and Agriculture
MoRDI	Ministry of Regional Development & Infrastructure
SSEMP	Site-Specific Environmental Management Plan

1 INTRODUCTION

1.1 Preamble

- This report represents the Semi Annual Environmental Monitoring Review (SAEMR) for Modernization of Tbilisi-Rustavi Section of the Tbilisi-Red Bridge (Azerbaijani Border) Road (Section 2) project.
- 2. This report is the 4th EMR for the project.

1.2 Headline Information

3. Upgrading and improvement of local transport and transport-related infrastructure plays a significant role in the development of Georgia's urban infrastructure. To this effect, a number of important activities have been implemented and financed from the budget of Georgia and from other sources. Recently several significant programs, financed through state budget, loans and grants, have been implemented with this regard. The program will provide efficient, reliable and affordable urban transport infrastructure and services, thereby increasing economic growth potential and competitiveness of urban communities, improving livelihoods of over 1.5 million people (approx. 35% of Georgian population). SUTIP, T3 includes (a) Construction of an approximately 6.8 kilometers 4lane urban road link between the cities of Rustavi and Tbilisi, including a 2 kilometers urban boulevard and recreational areas; In April 2016 MDF's Supervisory Board decided to cancel construction works for the proposed underwater breakwaters from the Contract through contract modification. The project will also: (I) improve urban, environment and communities' access to economic opportunities and to public and social services; (II) promote efficient and sustainable urban transportation; and (III) generate income and employment opportunities. The environment classification for Tranche 3 is Environmental Category B, as the impacts under subprojects SUTIP T3 are site specific and can be addressed through mitigation measures. For environmental category B, Initial Environmental Examination (IEE) was required. The environmental categorization of sub-projects was conducted by using ADB's Safeguard Policy Statement.

2 PROJECT DESCRIPTION AND CURRENT ACTIVITIES

2.1 Project Description

4. The project envisages Modernization of section 2 of Tbilisi-Rustavi portion of the Tbilisi-Red Bridge (Azerbaijani border) automobile road. The design road links the capital of Georgia with the major industrial and administrative center Rustavi and the district center Gardabani. Designing and constructing of other portions of the road will enable the citizens to travel and commodities to be trafficked on comfortable and modern highway to the capital of Azerbaijan, Baku. It also will make more accessible Tbilisi and the Black sea ports of Georgia for population of Azerbaijan. Apart from the abovementioned, the population of Rustavi and Gardabani are the priority road customers. The mentioned portion of the design road is over-trafficked, the AADT being about 15,100 vehicles per day, when the road capacity is just 7,000. The latter determined priority of modernization of the Tbilisi-Rustavi road to the level of I category road with 4 traffic lanes and design speed 120 km/h (Decision had been made later to construct on Phase 2 urban road with reduced design speed down to 80 km/h). Total length of the urban link is 6.755km.

		Main road	6.755km		
Road length	31,36km	Ramps	5.54km		
	01,001	Local Roads	1.14km		
Excavation	Excavation		820482.80m ³		
Emban	Embankment		969610.0m ³		
Concrete		84916.81m ³			
Sub-Base and Base material for the Road pavement		147248m ³			
Asphalt		79350Ton			

Table 1. Road characteristics

	Number	20
Culverts	Total length	1373.27LM
	33m	2bridges,14+12beams
Bridges and Overpasses	27m	3bridges,4+4+4beams
	19m	3bridges,4+4+4beams
	Number	2
Tunnels	Total length	80+10LM
	Change	PK4+610andPK4+640
	Total length	2505
Retaining walls	Volume of concrete	40679.6m ³

2.2 Project Contracts and Management

5. The Lender of the Project is ADB, PIU - Municipal Development Fund of Georgia; EPCM consultant - JV "Dohwa Engineering Itd" (Korea). The contract for Tbilisi-Rustavi urban link (Section 2) Construction Works was signed with Seza Insaat San. Ve Tic. Ltd. STI (Turkey) on December 12, 2016. The main institutions involved in IEEs/EMPs/SSEMPs implementation and monitoring, are the executing agency (EA) - MDF, the Supervision Consultant (SC), the Construction Contractor and to a lesser extent the Ministry of Environmental Protection and Agriculture and Municipal Authorities. EA (MDF) and SC are responsible for ensuring monitoring of the project implementation at the construction stage. Ministry of Environmental Protection and Agriculture has the authority for periodic audits but should not be considered as a party responsible for general implementation of all safeguards tasks. EA (MDF) and SC (DOHWA) are responsible for ensuring monitoring of the project instruction stage, while Tbilisi City Hall

and Road Department of the Ministry of Infrastructure and Regional Development at the road operation stage.

- 6. MDF ensures availability of all environmental information and facilitates environmental supervision of the project. The MDF's local environmental specialist's responsibilities in respect of implementation of the IEE/SSEMP, are to: ensure that all relevant IEE/SSEMP requirements (including environmental designs and mitigation measures) are incorporated into the project bidding documents; Assist Contractors to obtain necessary permits and/or clearance, as required, from any relevant government agencies; Ensure that all necessary regulatory clearances are obtained before commencing any civil work on the project; Ensure, that contractors have access to the EMP and IEE report and understand their responsibilities to mitigate environmental problems associated with their construction activities and facilitate training of their staff in implementation of the EMP; Approve the Site-Specific Environmental Management Plan (SEMP) prepared by the Contractor's implementation of the SEMP in accordance with the environmental monitoring plan by conducting site monitoring visits.
- 7. The MDF through its Environmental Specialist Ketevan Papashvili, reports to the ADB in every 6 months on the status of environmental compliance of construction works by preparing semi-annual Environmental Monitoring Reports. In case unpredicted environmental impacts occur during the project implementation, prepares and implement as necessary an environmental emergency program in consultation with relevant government agencies and ADB.
- 8. The supervisor company (SC) of works commissioned by MDF is responsible to establish strong field presence in the Project area and keep a close eye on the course of works. Construction Supervision Company is responsible for supervision of all environmental issues during project implementation. Along with ensuring consistency with the design and ensuring quality of works, the supervisor is mandated to track implementation of EMP/SSEMP by the Construction Contractor and reveal any deviations from the prescribed actions.

- **9.** Environmental issues at Supervision Company DOHWA are managed by national environmental specialist Paata Chankotadze, who is responsible for:
- Reviewing and approval of environmental documentation, submitted by contractor;
- Preparing quarterly progress reports;
- Monitoring of construction activities, issuing NCRs;
- Relationship with contractor and employer;
- Support of contractor in obtaining of environmental permits and licenses;
- Correspondence with Employer, contractor and local authorities.
- 10. Environmental specialist of technical supervisor should assess how accurate is the factual information provided in the contractor's reports, fill any gaps identified in them, and evaluate adequacy of mitigation measures applied by contractor. Technical supervisor must highlight any cases of non-compliance with EMP/SSEMPs, inform on any acute issues brought up by contractor or revealed by supervisor himself, and propose corrective actions.
- 11. During implementation of construction activities Engineer's environmental specialist time to time conducts environmental meetings and site inspections. In case of observation of significant non- compliances Engineer fills non-conformity report forms and sends them officially to Contractor. Most important issues, which cannot be managed by HSE department, are subject of review during weekly meetings. In case of emergency, contractor officially asks support of Employer, in the range of its competence, refers to relevant ministries and local authorities.
- 12. Thus, non-compliance notice has to be issued to the contractor if the SC requires action to be taken. The contractor is required to prepare a corrective action plan which needs to be implemented by a date agreed with the SC. Non-compliance should be ranked according to the established criteria.
- 13. SC company prepares quarterly progress reports, which cover the implementation of the SSEMP, discrepancies from the SSEMP and list all HSE relevant incidents and accidents that occur during the implementation; Submits periodic reports based on the monitoring data and laboratory analysis.

- 14. CC is obliged to follow EMP/SSEMP good construction practice during construction activities. In order to meet this obligation, Contractor has established environmental management team and procedures. The Contractor has contracted environmental consultancy company "GAMMA Consulting", responsible for environmental monitoring of construction activities and development of thematic reports required under EIA, IEE and ADB guidelines and Georgian legislation. 'GAMMA Consulting' will monitor construction activities during whole period of project implementation.
- 15. Construction Contractor (SEZA) has also appointed a full time Health, Safety and Environmental Manager (HS&EM) – Vladimer Melia, which is a senior member of the construction management team based on site, for the duration of the contract. The construction contractor's Environmental team responsible for implementation of EMP/SSEMP by daily environmental monitoring and reporting.
- 16. Key responsibilities of the environmental team of the CC are preparation of the Site-Specific Environmental Management Plan (SEMP) for approval by the Employer (EA), prior to the Contractors taking possession of the construction site; Ensure that the SSEMP is implemented effectively throughout the construction period; Carry out the monitoring and mitigation measures set forth in the IEE/EMP/SSEMP; Establish an operational system for managing environmental impacts; Allocate the budget required to ensure that such measures are carried out. Construction contractor is responsible to prepare monthly progress reports on SSEMP implementation, which should contain information on the main types of activities carried out during the reporting period, status of any clearances/permits/licenses which are required for carrying out such activities, mitigation measures applied, and any environmental issues that have emerged in relations with suppliers, local authorities, affected communities, etc.
- 17. The CC submits reports of the carrying out of such measures to the employer on a monthly basis; Coordinating community relations issues through acting as the Contractor's community relations focal point Vladimer Melia (proactive community consultation, complaints investigation and grievance resolution), establishing and maintaining site records of:
- Weekly site inspections using check-lists based on SEMP;

- Environmental accidents/incidents including resolution activities;
- Environmental monitoring data;
- Non-compliance notifications issued by the SC;
- Corrective action plans issued to the SC in response to non-compliance notices;
- Community relations activities including maintaining complaints register/complaints logbook;
- Monitoring reports;
- Routine reporting of SEMP compliance and community liaison activities;
- Ad hoc reporting to the Employer's Engineer of environmental incidents/spillages including actions taken to resolve issues.
- 18. Information on environmental issues, arising from the construction activities should be immediately brought to the attention of MDF's national environmental Consultant and safeguards team by the environmental specialists of construction and Supervision Companies', in order to coordinate efforts and ensure immediate mitigation of impacts, protect the environment and safeguard the health and welfare of the local communities. List of environmental staff of organizations is provided in the table 2 below.

Organization	Name	Position	Phone	E-mail
Lender - ADB	Keti	ADB RETA	995577232937	ketdgeb@yahoo.com
	Dgebuadze	Regional		
		Consultant		
Borrower -	Ketevan	Environmental	995599149 696	kpapashvili@mdf.org.ge
MDF	Papashvili	specialist		
Supervision	Paata	HSE specialist	995599181753	paatachank@yahoo.com
Consultant -	Chankotadze			
Dohwa				
Construction	Vladimer	HSE Manager	995574060001	lado.melia@yahoo.com
Contractor -	Melia			
Seza				

 Table 2.
 List of environmental staff of organizations

2.3 Project Activities During Current Reporting Period

- 19. After switching of the traffic at left side of the constructed section of the road from km 4 to km 4+62 the Contractor resumed trimming of slope in soft and rocky soils. Fully completed excavation of rocky soil at km 4+000 to 4+500 at the riverbank side for the tunnel upper approach road. At this stage, the Contractor is not able fully complete excavation for the upper section of the U-type section of the tunnel due to existing traffic over the remaining excavation area.
- 20. Continued earthworks at Km 6+800 cut area around 40% of the works done. At PK 4+293 and 4+060 of the Main Road the Contractor continued excavation of rocky soil for construction of 2 box culverts. Continued earthworks at PK 40+00 to 45+00 cut and fill area, but since no filling area is available. The Contractor is transporting cut material at temporary storage area (PK 69+00 to 74+00). Completed construction of 50% of box culvert at PK 8+395, the left half of culvert will be constructed after switching of traffic on the right side of the road. Backfilling of constructed section of box culvert fully completed.
 - 21. The Contractor substantially completed installation of drain collecting system instead of construction of box culverts at road section from PK 8+400 to 9+800 right section. Installation of 28 pre casted manholes and associated drainage corrugated pipes completed for left section of the Main Road as well, works are ongoing. Completed construction of concrete structures for drain water collection at the lower section of the tunnel. Excavation for drain collector continued for the upper section of the system in front of Marabda restaurant.
- 22. Completed construction and backfilling of 1.5x2.0m box culverts (L1=46.0m) located on PK 7+140, but construction of another box culvert at PK 7+200 is suspended due to existing high voltage line inlets and outlets are completed, steel assembling and installation of formwork for the intermediate section is suspended due to safety reasons. The Contractor will resume construction of the mentioned culvert after relocation of the overhead electrical line. In the same time, relocation of electrical line directly linked to rerouting of the Main Road axis at GMT plant. The Contractor substantially completed installation of drain collecting system instead of construction of box culverts at road section from 8+400 to 9+800 right section. Installation of 28 pre casted manholes and associated drainage corrugated pipes completed for left section of the Main Road as well, works are ongoing. Completed assembling of steel reinforcement and concrete

works for the bridge at PK 9+824 deck slab. Application of bituminous hydro insulation is commenced for the left section of the Bridge. Completed installation of small handrails for the bridges, but installation of the high handrails is completed for the left section only. Completed installation of expansion joints for the both sections of the Bridge.

- 23. Completed arrangement of 10 cm thick binder courses from PK 9+840 till the end of the Project. Completed steel reinforcement assembling for the last section of box-type tunnel km 4+600, concreting of box-type section of the Tunnel completed as well. Completed construction of embankment fill for Ramp B of Underpass 4+600, (Marabda area). After completion of embankment fill, the Contractor completed arrangement of subbase and base layers for the above-mentioned area.
- 24. From the same PK 8+395 the Contractor commenced placement of subbase layer for the Main Road. Completed casting of bridge deck slab and asphalt pavement for the bridge 9+824 carriageway. Right section of the Bridge opened for the permanent traffic. Completed painting of bridge concrete barrier and steel handrails for the bridge 9+824 left section. Application of asphalt layer on the bridge carriageway is remaining. Right section of the Bridge opened for the Bridge opened for the permanent traffic. Temporary road marking is applied. Right section of the Bridge at PK 9+824 opened for the temporary traffic. The Contractor implemented application of bitumen emulsion on carriageway and installation of drain funnels.
- 25. From PK 4+000 to 4+850 the Contractor completed excavation of rocky soil for the upper section of the U-type section of the tunnel. Now the contractor resumed construction activities for remaining part of U-type section of tunnel assembling of steel cages and installation of forms is ongoing. Fully completed placement of wearing coarse for Bridge at PK 9+824, binder coarse is completely paved at the entire Interchange 2-2 (PK 98+24) adjacent roads, ramps and circles, installation of steel guard rails is completed as well.
- 26. Completed arrangement of binder coarse for left side of the Main Road from PK 8+700 to 9+810 and from PK 9+840 till the end of the project (10+755). At PK 4+293 and 4+060 of the Main Road the Contractor completed construction of right sides of the box culverts bodies.

27. From PK 8+300 (over the constructed section of box culvert at PK 8+395) the Contractor continued placement of sub base and base layers for the Main Road. But from PK 8+400 to 9+840 – placement of asphalt binder coarse is completed. Construction of the retaining wall is still suspended at the section from PK 5+840 to PK 6+440. The Contractor arranged a temporary cofferdam to shift Mtkvari River aside from the construction area on approximately 30 m. For 3 Sections of retaining wall lean concrete was already placed and started assembling of steel reinforcement, but due to complain of local habitants all works are stopped and the Contractor left jobsite (The Engineer's letter to the Employer #DOHWA-RRMSD-II-M-177-18). Continued construction of "Ney Jersey" barrier from PK 8+798 to 9+810 – left section of the Main Road. The relocation of the existing internet cable at PK 8+395 is ongoing. Completed placement of concrete for "Ney Jersey" barrier construction from PK 8+400 to 9+810 – left section of the Main Road. The relocation of the Contractor continued installation of the concrete curb stones at PK 80+00.



 Table 3.
 Photographs of construction activities









Map 1. Work site areas for period July-December 2018



 Table 4.
 Chart of worker numbers in the reporting period

Month	No of employs

July	151
August	146
September	153
October	150
November	131
December	154

28. There were not any new activities commenced during the current reporting period.

2.4 Description of Any Changes to Project Design

- **29.** Due to the complaint of Marabda restaurant (PK46.00) owner, design of access road to the restaurant has been changed. There were not any changes to the project design from that which was assessed in the Impact Assessment phase of the project and is set out in the Initial Environmental Examination / Environmental Impact Assessment during reporting period.
- **30.** There were not any significant changes in the design, according which the Employer/Contractor had update the EIA/IEE and/or Environmental Management Plans during the reporting period.

2.5 Description of Any Changes to Agreed Construction methods

31. There were not any changes of construction methods during reporting period.

3. Environmental Safeguard activities

3.1. General Description of Environmental Safeguard Activities

32. Site supervision and inspections, as well as monitoring of compliance of construction activities are important aspects to ensure the proper implementation of EMP/SSEMP requirements. Environmental management team of Construction and Supervisor Companies carry out permanent supervision activities and monitoring of the project performance on regular basis.

a. Site Audits

33. The schedule of conducted audits and monitoring during the reporting period is given in the Table 5 below.

	Organization	Comments		
Site	Supervision Company	Construction	Construction Company	
visits	(DOHWA), P.	Company	(SEZA HS&E Manager),	
	Chankotadze	(Environmen	Vladimer Melia	
		tal		
		Consultant		
		GAMMA		
		Consulting)		
Site	July	July 20	July	MDF's representative- project
audit	2-6, 9-13, 16-20, 23-27,		2-6, 9-13, 16-20, 23-27, 30	monitoring specialist is
	30			permanently on site. Weekly
Site	August	August 7	August	meetings also are conducted
audit	1-3, 6-10, 13-17		1-3, 6-10, 13-17, 20-24, 31	in a regular base every
Site	September	September	September	Tuesday. MDF's Local
audit	3-7, 10-14, 17-21, 24-28	12	3-7, 10-14, 17-21, 24-28	environmental Consultant
				attends weekly meetings and
Site	October	October 16	October	conducts site-monitoring
audit	1-5, 8-12, 15-19, 22-26, 29-		1-5, 8-12, 15-19, 22-26, 29-31	visits at least quarterly, and/or
	31			any time, in case of necessity,
Site	November	November 13	November	SEZA environmental
audit	1-2, 5-9, 12-16, 19-23, 26-		1-2, 5-9, 12-16, 19-23, 26-30	Consultant Company
	30			(GAMMA Consulting) and
				OH&E Manager are attending
Site	December	December 11	December	weekly meetings and
audit	3-7, 10-14, 17-21, 24-28		3-7, 10-14, 17-21, 24-28, 31	discussing pending
				environmental issues,
				reporting issues and etc)
				together with DOHWA and
				MDF's Managers,

Table 5: The schedule of conducted audits and monitoring during the reporting period

		environmental	consultant
		and Engineers.	

b. Issues Tracking (Based on Non-Conformance Notices)

34. Non-compliances related to HS issues, pollution prevention, top soil protection and damage of access roads have been recorded during reporting period. Any significant violations of HSE procedures have not been recorded during reporting period. All NCR's have been closed before completion of reporting period.

 Table 6. Summary of Issues Tracking Activity for Current Period

Total Number of Issues for Project	26
Number of Open Issues	0
Number of Closed Issues	26
Percentage Closed	100%
Issues Opened This Reporting	
Period	10
Issues Closed This Reporting	
Period	10

Table 7. List of NCRs for current period

N of NCR	Date of submission	Description of Non- Compliance	Area	Corrective action required	Performance Date of Corrective actions
1/44	09.08.18	Slopes of the embankment were covered by top soil layer. The Contractor has covered top soil by gravel.	PK4.500	Protect top soil from mixture with sub soil and gravel according EIA requirements	15.08.18
2/45	04.09.18	Oil was leaking from heavy equipment	PK6.300	Bring all equipment, working on site in condition, considered by LSEMP requirements	10.09.18

3/46	04.09.18	Local people were disturbed by dust, generating during transportation of spoil, excavated from the RoW	PK6.300	Spray water on access road during transportation of spoil	10.09.18
4/47	05.09.18	Access road to PK6.3 was damaged during movement of heavy trucks; underground water pipe was damaged and water was washing soil under asphalt layer and leaking in to the underground workshop pit;	PK6.300	Immediately repair damaged water pipe and bring access road to preconstruction condition	10.09.18
5/48	04.09.18	Not one of workers and foremen was not wearing helmets on site	PK4.500	Provide relevant PPE for all workers	10.09.18
6/49	05.09.18	Lubricants and polluted tools were disposed directly on ground	PK4.500	Dispose all polluted tools and hazardous materials in drip trays	10.09.18
7/51	18.09.18	All diesel generators were disposed directly on ground, without drip trays	PK6.300	Dispose all diesel generators in drip trays	24.09.18
8/52	24.09.18	Leaking diesel generator was disposed directly on ground, without drip trays, in the vicinity of riv. Mtkvari	PK6.300	Dispose all diesel generators in drip trays	28.09.18
9/53	24.09.18	Containers with hazardous materials and polluted tools were disposed on ground, without drip trays, in the vicinity of riv. Mtkvari	PK6.300	Dispose all polluted tools and hazardous materials in drip trays	28.09.18
10/57	31.10.18	No one from workers and visitors did not equipped with relevant PPE on site	PK4.500	Provide relevant PPE for all workers and visitors	12.11.18

c. Trends

35. Most of NCR's, filled by the Engineer are related to the violation of pollution prevention and HS procedures. That issues were subject of discussions on weekly and monthly meetings with the Contractor and the Engineer. The Engineer has requested the Contractor to conduct additional trainings for all workers and foremen, especially to the management team, supervising construction activities. Copy of all NCN's for all major Non-Conformances is provided in annex 2.

d. Unanticipated Environmental Impacts or Risks

36. There were not identified any unanticipated environmental impacts and risks in the current period, which were not identified in the Environmental Impact Assessment report.

33. results of environmental monitoring

a. Overview of Monitoring Conducted during Current Period

37. The Contractor's environmental team was daily measuring dust concentration in ambient air, noise level and vibration level on partial NTP (PK5.840-6.640) during implementation of construction activities at that section (from 01.09.2018 to 16.10.2018). Also the Contractor's environmental sub-contractor, Gamma Ltd was measuring noise level and dust concentration on construction sites each month.

During preconstruction survey, conducted by the consulting company "Ecotech Ltd" in August 2013, the background noise was measured along the design road in close vicinity with the apartment buildings (Site1 - km5+300, Site 2 - km5+800; and Site 3 - km6+600) – and at the Site 4 km 8+200 near the existing road – (3m). The average noise level amounted to:

Site 1 - 62 dB Site 2 - 60dB Site 3 - 63dB Site 4 - 65dB.

As, it can be concluded, according to baseline data, the average noise level was higher in comparison with national and IFC/WB (which are similar for residential areas) standards. So, noise measured during the reporting period at receptor locations was below baseline levels as well as with national and IFC/WB standards.

Water quality in river Mtkvari was checked once during reporting period, in October (See Annex 4). Results of all measurements were not exceed permissible levels and

concentrations (except concentration of TSS in the water channel near construction camp). Measurement of water quality in the channel was required by the Engineer due to the fact of soil pollution in the near vicinity of the channel. The Contractor has measured concentration of TSS and TPH upstream and downstream of the spillage. The results of measurement show, that water quality upstream and downstream of pollution point is similar, but exceeds permissible concentrations. Due to the fact, that concentration of pollutants in the channel exceeds permissible levels upstream of soil pollution point, water quality does not depend on the Contractor's activities and no additional mitigation measures are required. Detailed monitoring results, provided by Seza's environmental team on partial NTP (PK5.840-6.640) during implementation of construction activities at that section (from 01.09.2018 to 16.10.2018) are presented in annex 1.

Location	Sample point	Dust			Date
on map					
1	X=0493479;	0.12mg/m ³	Permissible	IFC	12.07.2018
	Y=4608514		concentration-	Guideline	
2	X=0490375;	0.10mg,m ³	0.5 mg/m ³	Value (Limit	12.07.2018
	Y=4612166			(mg/m3))	
3	X=0493820	0.12mg/m ³		PM10 –	02.08.2018
	Y=4607973			0,02/1 Year	
4	X=0491953	<0.05mg/m ³		0,05/24	29.08.2018
	Y=4611510			Hour	
5	X=0491947	0.1mg/m ³		PM2,5-	12.09.2018
	Y=4611523			0,01/1 Year	
6	X=0490682	0.15mg/m ³		0,025/24	18.10.2018
	Y=4612062			Hour	
7	X=0493296	0.13mg/m ³			22.11.2018
	y=4608931				
	Sample point	Noise		I	Date
1	X=0493479	53dBA	Permissible leve	l- 55dBA	10.07.2018
	Y=4608514				

Table 8. Detailed monitoring results, provided by Gamma Ltd

8	X=0491052	51dBA				10.07.2018
	Y=4612009					
9	X=0491953	49dBA		-		29.08.2018
	Y=4611510					
10	X=0491947	50dBA		-		12.09.2018
	Y=4611523					
11	X=0493461	51dBA				28.09.2018
	Y=4608488					
12	X=0491056	52dBA		-		17.10.2018
	y=4612009					
	Sample point	Water s	amples			Date
		ТРН		TSS, mg/l		05.10.2018
		mg/l			1	
13	№1 riv.	<0.04	Permissible	20.4	Permissible	05.10.2018
	Mtkvari : At		concentration-		concentration-	
	the		0.3mg/l		50 mg/l (IFC	
	construction				guideline)	
	square PK					
	6+200					
14	№ 2 riv.	<0.04		24.8		05.10.2018
	Mtkvari after					
	the					
	construction					
	square					
	PK6+300					
15	№3 Channel	0.13		64.0	-	05.10.2018
	50m upstreem					
	the lubricants					
	warehouse at					
	the camp site					
16	Nº4 Channel	0.07		58.0		05.10.2018
	after the					
	lubricants					
	laonounto					

warehouse at			
the campsite			



Map 2. Noise, dust and water quality sampling locations

Due to the construction activities were conducting in industrial and urban areas during reporting period, impacts on flora and fauna were not significant. Trees, felled from the construction corridor were passed to the local municipality. Reinstatement management plan will be prepared by the Contractor immediately after receiving of planting locations from Tbilisi and Gardabani City Halls.

b. Trends

38. In the result of implementation of relevant mitigation measures, in contradiction to the previous reporting period, results of all measurements including dust, noise and water were not exceed GEO and IFC permissible levels and concentrations.

c. Summary of Monitoring Outcomes

 The Contractor should continue environmental monitoring of construction activities to ensure proper implementation of mitigation measures, considered by SEMP, IEE and EIA reports.

d. Material Resources Utilization

i. Current Period

Table 9. Utilization of electricity, water and gas for the reporting period

Month	electricity, Kw/h	water, m ³	gas, m ³
July	17100,98462	967,1746318	1045,341615
August	13240,8	803,1439735	955,9006211
September	9960,615385	894,1599038	1103,73913
October	9740,553846	737,1325518	2800
November	11320,67692	653,1169222	7037,006211
December	16460,98462	733,1319507	8575,006211
Total	77824,61538	4787,859934	21516,99379

ii. Cumulative Resource Utilization

Table 10. Utilization of power, water and gas for whole project life

Year	Month	Electricity, Kw/h	Water, m ³	gas, m ³
	Мау	0	330,2043883	1201,863354
	June	6869,415385	348,1965735	736,9565217
	July	11181,53846	462,4977457	780,7453416
2017	August	13994,09231	430,748422	728,5714286
2017	September	12523,38462	524,9413886	1601,552795
	October	9612,307692	516,4743012	4419,875776
	November	10517,16923	806,4592726	6206,832298
	December	13051,50769	320,2945597	8050,621118

	January	13200,8	548,097385	8534,161491
	February	12760,73846	611,1091073	6965,217391
2018	March	13340,92308	958,1725278	6469,565217
2018	April	9620,430769	1708,307785	4068,63354
	Мау	11101,53846	895,1608055	1804,658385
	June	13199,93846	726,1316501	1104,968944
Total	Total	150973,7846	9186,795912	52674,2236

e. Waste Management

40. During implementation of construction activities, the Contractor was daily collecting hazardous waste, generated on construction sites and disposed it on camp site. Household waste was removing from camp site twice per week by the sub-contractor, Kenari Ltd. Used oil mainly was used for lubricating of timbering, remaining part is stored on camp site and will be transferred to Sanitari Ltd. Material, excavated from the Construction corridor cannot be considered as waste, because it will be used for construction of embankment on phase 2 and 3. Currently excavated material is stored within the RoW at PK 7.

i. Current Period

Table 11. Waste streams during current reporting period.

Month	Location	Quantity of Waste (m ³)		Comment/reference
		Household	hazardous	-
July	Camp area	15	0.1	Household waste was passed to the Kenari
August	Camp area	14	0.1	Ltd, 0.6 m ³ of hazardous waste (used oil)
September	Camp area	14	0.1	was used for lubricating of timbering,
October	Camp area	14	0.1	remaining 0.3 m^3 of used oil and 0.1 m^3 of
November	Camp area	13	0.1	polluted rags and used oil filters are stored
December	Camp area	13	0.1	on camp site at hazardous waste storage
				area. During next reporting period
				hazardous waste, stored on camp site will
				be delivered to Sanitari Ltd

ii. Cumulative Waste Generation

41. Mostly waste is producing in result of maintenance of construction equipment, functioning of camp and excavation of construction corridor. Nonhazardous waste is transferring to the sub-contractor, Kenari Ltd, for disposal of hazardous waste the Contractor has signed agreement with Sanitari Ltd. Were possible the Contractor use excavated material for filling of embankment and used oil- for lubricating of timbering.

f. Health and Safety

i. Community Health and Safety

42. No major incidents have been revealed during the reporting period.

ii. Worker Safety and Health

- 43. In spite of the fact, that sometimes the Contractor's personnel violate HS procedures, there were not any HS incidents on construction sites during reporting period. The Contractor has log book for registering of incidents/accidents and near misses and sends incident reports to the SC.
- 44. The Engineer's environmental specialist has recorded 2 violations of HS procedures on sites during reporting period and filled relevant NCRS. In particular, SC's environmental specialist has recorded workers and visitors on site without relevant PPE during site inspections. According internal procedures, the Contractor's HSE manager sent written warnings to the employees, worked without PPE and has conducted additional HSE trainings.

g. Training

45. 1 HSE training has been conducted to the new employs by the Contractor's HSE staff during reporting period. Relevant training records are prepared and kept at the camp site (See Fig.1).

Figure 1. Training report

gezajnşaat	Construction of The Tbilisi-Red Bridge	e Modernization of Tbilisi-Rustavi section of the (Azerbaijani Border) Road
TRAINING REPO Crew (323,7990): 9.5.6. 2.5.7 m. Location (seps accileged segmed s): PK - 8+720	RT FORM	Date: (acological) 27:10.2018 Time: 10:55 gm Name: (acological acological) Ciorg; Sumbadze Position: (acological acological) HCSF-officer Signature: (hyperder Egres) 244
ATTENDEES (@ამს["რჟები): NAME		NAME POSITION REPAIRING
Norm Agendo & belegeo 1 Indexed gram Jackson 2 Indexed gram Jackson 3 Innexed gram Jackson 4 Innexed gram Jackson 5 Innexed gram Jackson 6 Innexed gram Jackson 7 Innexed gram Jackson 8 Innexed gram Jackson 9 Innexed gram Jackson 10 Innexed gram Jackson 11 Jackson Jackson 12 Jackson Jackson 13 Jackson Jackson 14 Jackson Jackson 15 Innexed gram Jackson 16 Innexed gram Jackson 17 Jackson Jackson 18	All and a second	N Appendix & IssAppen Andrews Andrew Andrews

46. HSE training, relating special actions and mitigation measures, required for proper implementation of phase 2 and 3 should be conducted for the Contractor's foremen and workers before commencement of construction activities on abovementioned sites.

h. Grievance Redress Mechanism (GRM)

- 47. In order to provide a direct channel to the affected persons for approaching project authorities and have their grievance recorded and redressed in an appropriate time frame, Grievance Redress Mechanism was established with efforts of MDF.
- 48. Complaints' registration journal is created and available at construction site. The copy of journal with mobile numbers of relevant persons Mr. Vladimer Melia, (Site HS&E Manager of Construction Company), to be addressed is placed at local Municipality as well. Complaints' from the local people, regarding the environmental safeguard issues in case of their disturbance and inconvenience, because of improper or inadequate implementation of EMP/SSEMP, can be accepted in both places. Complaints' would be registered in database system, assigning compliant number with date of receipt. Complaints' would be investigated and complainant would be informed about time frame in which the corrective action will be undertaken, in case if the raised problem is realistic. Thus every complaint would be indicated in Complaints Logbook, and problems would be solved in accordance of rules and regulations under the control of the supervising site manager and DOHWA's local Environmental Specialist (Paata Chankotadze), and if necessary with involvement of MDF side as well.
- 49. Grievances to be handled at the level of CC or SC include:
 - Social concerns related to contractor activity;
 - Environmental management;
 - Community safety.
- 50. The issues listed below should not be included if the GRM for CC or SC and should be directed to MDF's safeguard Unit:
 - land acquisition,
 - valuation,
 - compensation,
 - entitlements,
 - public consultations and meetings or delivery of information (e.g. results of environmental monitoring).

- 51. CC should maintain a grievance logbook at all sites and register queries / complaints / concerns (both written and verbal). A copy of logbook, together with status update on pending grievances, should be submitted, through SC, to MDF's SU on a bi-monthly basis. A summary report on grievances reported and closed by CC should be submitted to MDF and ADB as part of semi-annual EMR.
- 52. There were no grievances logged during the reporting period.

34. Functioning of the SEMP

a. SEMP Review

- 53. The Contractor considers SEMP requirements during implementation of construction activities and provide adequate monitoring and mitigation measures on all construction sites. Sometimes due to staff turnover, minor HSE violations happened on construction sites, which are improving by the Contractor immediately after the Engineer's instruction.
- 54. In general, SEMP is effective, and mitigation measures are set out and do not need changing. Statuses of preparation of Environmental Management Plans are given in Annex 3.
- 55. Currently alternative mitigation measures are not necessary for successful implementation of the Project.
- 56. There are not any mitigation measures, which could be reduced or removed as the specific risk identified in the IEE/EIA and/or SEMP has not materialized.

35. Good practice and opportunity for improvement

a. Good Practice

57. No examples of good practice could be presented during reporting period. All performance was implemented within planned activities.

b. Opportunities for Improvement

58. Local road, located along constructing highway near construction camp is used by drivers to drive around traffic jam on the main road from 08.30AM to 10.00AM. The Contractor uses same road for transportation of construction materials and did not paved asphalt on it to prevent it's damage by heavy trucks. In the result of heavy traffic on local road during dry weather conditions, dust from the unpaved road can disturb local people. It is recommended to spray water on the local road each morning, or pave asphalt on it as soon as possible.

36. summary and recommendations

a. Summary

59. Implementation of environmental safeguards during reporting period in general were implemented in accordance with SEMP, IEE and EIA requirements. In case of minor non compliances the Contactor was improving them immediately after the Engineer's verbal instruction. Significant violations of HSE procedures were subject of filling of nonconformity reports by the Engineer. All of NCRs have been closed during reporting period.

b. Recommendations

60. In summary, the following actions are recommended for the next reporting period:

- Prepare and approve final version of reinstatement management plan –January 2018;
- Transfer hazardous waste, stored on camp site to licensed sub-contractor-2nd quarter of 2018;

ANNEXES:

Annex 1. Monitoring results, provided by Seza's environmental team on partial NTP (PK5.840-6.640) during implementation of construction activities at that section (from 01.09.2018 to 16.10.2018

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1	01.09.2018	10:00 mm	PM 22/23	PK-6+300	0,020	0,50	massahal
2	01.09.2018	10:03 am	NOISEdB	PK-6+300	49	55	mazzahada
3	01-09-2018	10:07 am	Vibration 22/58		0,00	0,44	63960
1	01.09.2018	16:04 pm		PK-6+300	0,02.2	0,50	acegothala acegothala
2	01-09-2018	16:10pm	Noise dB	PK-6+300	48	55	COS A
3	01.09.2018	16:12 pm	vibration225		0,0	0.74	magga head
12	02.09.2018	08:10 am	PM 22/23	PK-6+100	0.021	010	a. Sumber d ze
	02-09-2018	08:15 am	Noise de	PK-6+100	30	'55	G. Smbace
3	02.09.2018	08:30 am	Vibration22	PK-6+100	0.00	0,74	C. Smbadze
1	02.09.0018	14:25 pm	PM 23/21	PK-6+100	0.22	0,00	man hope
2	02.09-2018	14:27 pm	NoisedB	PK-6+100	0,22	55	a eschol
3	02.09.2018	14:32 pr	vibration2252	PK-6+100	0.00	0,74	E. Sumbabee
1	03.09.2018	9:00 am	PM 23/23	PK-6+300	0,23	0,50	C. Sumbadze
2	03.09.2018	9:16 am	Noise of	PK-6+200	51	55	a Support 20
3	03.09.2018	9:25 MM	Vibration 200	PK-6+350	0.01	0 14	C. Sumbal 20
1	03.09.2018	17:05 pm	PM 22/23	PK-6+300	5-2	0,00	G. Sumbadze
2	03.09.2018	17:08 pm	Noise dB	PK-6+100	0,47	55	minego the la
3	03.09.2018	17:13 PM	Vibration275		0,00	0, 74	En al tophone
4	04.09.2018	08:05 ar	PM 23/23	PK-6+300	0,30	0,0	C. Sombeda
23	04.09.2018	08:11 ar	Noise db	PK-6+000	51	55	G. Sumbadze
2	04.09.2018	08:20 am	Vibration225		0,00	0,74	G. Sumbadee
\$	04.09.2018	16:35 pr	PM 21/2"	PK - 5+900	0,32	0,0	a. Sumbadze
2	04.09.2018	16:40 pm	Noise dB	PK-5+900		55	Sugaport A
3	04.09.2018	16:55 pm	vibration	PK-6+300	0,00	0,74	magratha De
2	05 09 2018	09:25 am	PM 23/23	PK-6+100	0,27	0,50	238238 An 160
3	05.09.2018	09:40 am	NoisedB	PK-6+200	52	53	L. Sunhacze
1	05.09.2018	09:50 ar	vibrat;0028		0,00	0,79	G. Sumprodee
6	05.09.2018	17:20 pm		PK-57900	0,32	0,50	G. Smons C=
2	05.09.2018	17:32 pm	Noise de	PK-6+300	49	. 55	no anthrow
3	05.09.2018	17:49 pm	Vibrontion 25"	PK-6+300	0,00	0, F4	G. Sumbacker

Construction of The Modernization of Tbilisi-Rustavi section of the Tbilisi-Red Bridge (Azerbaijani Border) Road
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L	06.09.2018	10:00 mm	PM 22/23	PK-6+200	0.023	0,50	maggalo
2	06.09.2018	10:03an	Noise do	PK-6+600	52	55	a nicht le
	06.09.2018	10:10 mm			0.00	0,24	C. Sambare
2	06.09.2018	17:05pm	PM 21/23	PK-6+300	0,033	0.00	a. Smoodge
	06.09.2018	17:05pm	NoisedB	PK-6+300	46	55	ansing Stan 58
3	06.09.2018	17:08pm	Vibration2252	PK-6+250	0,00	0. 24	E capelhal
	07.09.2018	09:10 an	PM 22/23	PK-6+250	0 31	0.00	6 636
	07.09.2018	109:12am	Noise dB	PK-6+300	49	55	C. C
3	07.09.2018	09:15am	Vibration25?	PK-6+300	0,00	0,24	a. Sumbaceze
2	07.09.2018	16:45 pm	PM 22/23	PK-6+200	0.033	0,50	a. Embed 20
4	07.09.2018	16:50 PM	Noise dB	PK-6+200	48	55	C. Simberd ZE
3	07.09.2018	17:00 pm	Vibration2252	PK-6+200	0,00	0,74	Chi Suggad 23
	08.09.2018	9:00 am	PM 22/23	PK-6+300	0.15	0,50	C Bagah Er
	08-09-2018	9:04 am	Noise dB	PK-6+300	46	55	
-	08-09-2018	9:10 am	Vibrontion22/6	PK-6+300	0,00	0.74	C. Sintodee
2	08-09-2018		PM 21/23	PK-6+300	0,26	0,50	G. Smbordze
2	08-09-2018		Noise db	PK-6+300	0,54		C. Sompadee
3	08.09.2018		Vibration2262	PK-6+300	0,20	0,24	G. Samber 4.20
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23	09-09-2018		NOISE dB		/		- maphy
>	09.09.2018		Vibratin22/62				2. Simbulie
,	09.09.2018		PM 22/23			-	a. Sumbacee
	09-09-2018		Noise de				G. Sunface
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1	10.09.20/8	9:00 um	PM 2123	PK-6+300	0,27	0,50	mannaha Ga
23	10.09-2018	9:15 cm	Noiseda	PK-6+300	520	55	manalab
7	10.09.2018	9:18 gm	Vibratia 25	PK-6+300	0,01	0,74	G. Simberze
2	10.09.2018	12:05 pm	PM 2003	PK-6+300	0,022	0,50	G.Smbadze
2	10.09.2018	17:08 pm	Noise de	PK-6+300	45	-55	G. Syntard El
3	10-09-2018	17:20 Pm	Vibrationapt	PK-64300	0,00	0,74	Csimbala

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1	11.09.2018	9:30 mm	PM	DK-6+300	0.24	0.50	G. Sumbacte
12	11.03.2018	9:33am	Noise	PK-6-300	51	55	G. Sombadze
3	11.09.2018	9:400m	Vibbortion	PK-6+300	0.0	0,84	C. Sumbadze
1	11.09.2018	14:50 pm	pm	PK-6+300	0,14	0,50	a. Sumbadze
9.	11.09.2018	15:00 pm	Noise	PK-6+300	5-2	55	G. Suppedie
3	11.09.2018	15:35 Pm	Vibration	PK-6+300	0.01	O.EU	2.20
123	12.09-2018	8:15 av	PM	PK-6+200	0'71	0.50	G. Sombodce
2	12.09.2018	8: 18 am	Noise	PK-6+200	42	55	G. Sumbod 20
1	12.09.2018	8:32 01-	Vibration	PK-6+250	0,0	O, FY	G. Sumberdze
2	12.09.2018	15:40pm	PM	PK-6+300	0'25	0,50	G. Sombodee
2	12.09-2018	15:50 pm	Noise	PK-67-300	48	55	a. Sumperte
3	12.09.2018	16:00 Pm	Vibrantian	PK-6+300	0,0	0,74	2.20
5	13.09 2018	9:10 G.M.	PM	PK-6+300	0,15	0,50	G. Smbacke
3	13.09-2018	9:15 am	Noise	PK-6+300	'53	55	G. Smbadze
7	13:09 :018	9:30 am	Vibration	PK-6+200	0,0	0, 24	G. Suppodeo
5	13.09.2018	16:10 mm	pm	PK -6+700	0,18	0,50	2. 2
3	13.09.2018	16:00 pm	Noise	PK-6+150	52	155	G. Sumbadge
2	14.09.2018	16:25 pm	Vibration	PK - 6+200	0,01	0, 14	C. Sunha de
2	14.09.2018	9:00 mm 9:14 gm		PK-6+300	0,20	0,50	a. Sumbela
3	14.09.618	9:18 am	_ Noice	$p_{K} - 6 + lop$ $p_{K} - 6 + lop$	26	074	G. Sumbache
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2	14.09-2018	17:25pm	Naise	YK-6+300	53	0,00	a. Sumberce
3	14.09.618	12:40 mm	Vibration	PK-6+300	00	0.24	G. Sumbedee
1		8:15 cm	PM	PK-6-300	0:29		2. 0
2	15.09.2018	8:10 am	Naiso	PK-6+300	47	0,50	G. Sonda Ca
3	15.09.2018	9:00 Gm	Vibration	PK-6+300	0.0	0.24	a Suntades
1	15.09.2018	17.02 PM	PM	PK-6+300	0,25	0.50	G. Sumbade
4	15.09.2018	17:10Pm	Noise	PK-6+300	53	55	G. Som by dec
3	15-09-2018	12.15pm	Vibration	PK. 6+ 500	0,01	0,74	G Surbade

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1	16.09.2018 190	4 PM 22/23	PK 6+300	0,20	0.50	- mark 60
2	16. 09. 2018. 10.03 an	Noisede	PK 6+300	51	55	Contraction of
3	16.09.2018. 10.07 au		PK. 6+.300	0,04	0,74	alles
1	16.09.2018. 16,30 pr	PM 22/23	PK 6+300	0,18.	0,50	Gelenhard
2	16.09.2018 16.33 pm	NOISPNB	PR 6+300	38	55	- Countre
3	16.09.20B. 16.35 pm	Vibrationati	PR 6+300	00	0,74	C Stand
	17.09.2018 10.00 am	PM 22/23	DK6+300	01 18.	0,50	4 Simba da
2	(7 D9 708 10.02 a)	1 NOISENB	PK6+300	49.	55	G. Sunhards
3_	1709.2018. 10,05 qu	11braticas	PK6+300	0.01	0,74	G. Sumpade
_	19,03.2018. 16,30 pm	PM 8/23	PR 6+300	0:33	0,50	G. Sunballe
	12.09.2018. 16.33 pm	Noisedb	PR 6+300	49	55	G. Sumbarda
3	17,09.00B 16.35 pm	Vibration	PR 6+300		0,74	G. Sumbarder
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3	18.09.2018 10.02 an		PR 6+300	48.	55	manaho
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2	19.09.2018 9,30 an		PK 61300	0.0.	0.74	magan
5	19.09.2018 9,30 ar	ALDICO JA	PK 6+300	0.22	0,50	4 Sundalde
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5	19.09.2018 16.33 pc	Later a line	PK 6+300	52	22	Cimente
	20,99.2018. 9.30, an		PK 6+300	8. 18.	0.50	Elight
-	20,00.2018 9.33,00	1 1 1 1 1 1 1 1 1	Pk 6+300	50	020	EC36N
1	20,09,208 9.35 an		PK 6+300	0.0.	074	5 CHE 1
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	201092018. 1633 pr			48	55	8 C36
	20.09.208. 16.350	the second se	PK 6+300	00	0,74	CCCCC

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1 21.09.2018 9:00		13 PK-5+840	0.056	0,50 3/23	C. Sumbadze
2 21.09.2018 9:03		18 PK -6+640	54,5	0,50 3/2	a. Sumbadge
3 21.09.2010 0.08			0.00	0.24	G. Sumbace
1 81.09.2018 16:45		23 PK-5+840	0.054	0.50	G. Sembadze
2 21.09.2018 16:49		B PK-5+840	50.0	55	a Sumbaldza
3 21.09.2018 16:55			0.00	ant.	1 /
1 22.09.2018 8:15		13 PK-5+840 PK-6+640		~ /	G. Sumbodze
2 22.09.2018 8:19	an Noise de		0,057	0,50	G. Sumbadze
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	2 pm PM 22/2	03 PK-5+840 PK-6+640	0,060		a. Sumbalece
2 27.09.6218 17:1	pm Noise M		33,0	0,50	G. Sumbadze
3 22.09-2016 19:1	Ppm (chation)	50 PK-5+840 PK-6+640	0,00	0,74	G. Sumbacte
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2 23.09.2018 8:10	an Noise de		52.5	55	G. Sumbolce
23.09.2019 8:13	am Vibratias		0.00	D.74	a Sumbadce
2309.2018 16:30	PM PM 22/2	PK-6+640	0,057	0,50	G. Sumbade
2 23.09.2018 16:35		PK-6+640	54.0	55	G Sunbada
3 23.09.2018 16:40		09 PK-6+640	0.00	0.74	G. Smboler
24.04.6/8 8:30	am PM 22/2	3 PK-5+840 PK-6+640	0.058	0.50	G. Sonbada
2 24.09.2018 8:35	an Nuise de	and the second of the second s	54,5	0,50	a. Sumberde
3 24.09.2011 8:39	an Vibration	15- PK-5+840 PK-6+640	0,00	0,74	a. Sumbadz
1 24.09.2018	11 PM 21/23	07	mp	1.	
29.09.0018	Noise 18	\rightarrow	1 A	IA/D	pl
3 24.09.2018	Vibratien	50		VVV	AN
1 25.09.2018 8:30 an		PK-57840/PK-6+640	0,055	0,50	G. Sumbacze
2 25:09.2018 8:35 ar 3 25:09.2018 8:400m	Noise dB	DK-5+840/6+640	52,0	55	a. Sumbordze
I WE WANTED TO ANY			0,00	0,44	a.Sumbadze
2 25.09.2018 12:10		PK-5-840/6+640	DOTO	0,50	G. Sumber dze
m he i had been in the	1 pm Noise dB	PK-5+840/6+640	48.5	53	G. Sumbo da
3 25.09.2018 12.2	ppm Vibration 226	PK-5+840/6+640	0,00	0,74	a. Sumbadze

0	თარიღი	/ @რო	პარამეტრი	ადგილმდებარეობა	მაჩვენებელი	603	შემმოწმებელი
	26.09-2018	9:00 am	PM #123	PK-5+890/6+640	0,035	0,50	G. Sumbordze
	26.09 2018	9:030m	Noise dB	PK-5-840/6+640	52,0	55	G. Sumbadze
	26.09.2018		Vibration 22/6	PK-5+840/6+640	0.00	0.74	G. Sumbordze
	26.09.2018	16:08 pm	PM 2123	PK-5+840/6+640	0.042	0.50	G. Sombordze
	26.09.2018	16:16: Pm	Noise 20	PK-5+840/6+640	48.5	55	G. Sumbardze
1	26 09 2018	16:20 Pm	Vibration 22/5°	PK-5+840/6+640	0.00	0,24	G. Sumbacce
	27.09.6018	8:30 am	PM 22/23	PK-5+640/6+640	0'037	0,50	G. Sumbalze
	27.09.2018	8:40am	Noise dB	PK-5+840/0+640	50,0	0,50	G. Sambordze
	24.09.2018	9:00am	Vibration 22/62	PK-S+840/6+640	0,00	0.24	G. Sombortre
-	28.09.2018	19.06 DM	pm 22/23	PK-5+840	0,39	050	L. DEYDARIAM
	27.09.2018	18,10 pm	BIOLSE dB	PR 5+84076+640	49	55	1. DEVDARIAN
	27.09.2018	6, 15 pm	VIbrationzan	PK 5784076760	0.0	0,74	1. DEVDARIA
18	28,09,2018	9,10 am	PM 23/23	PRST-P40/6+640	0.37	0,50	1 DEVDAR'ANI
	28,09.208. 9	9.15 am	NOISEdA	PR5+840/6+640	49	55	1 DEVERABILA
2	28.09.2 an G	1,20 414	VIBration	212 pks+840/6+64	00	0,74	1. DEVDARINI.
	28.09.200 11	5.10pm	pm 23/23	PR5+84016+640	0,35	0,50	1 DEVDARINI
		5.15 pm	NOISEda	PKS7840/6+640	51	55	L. DEYDARINI
_	28.09.2018. 1	6.20 pm	VIbrationa	100 14 57840/6+840	00	0.74	I. DEVDARIAA
	24.09.2018.9.	10am	PM 22/2	PKSt840/6+640	0,33	0.50	1 DEV DARINI
2	29.09.208 9	15 am	NOISE als	PK5+84/6+640	48	55	1. DEVDARINA
	29.09.208. 9	20 am	Vibrationall	PK5+840/6+640	00	0,74	L. DEVDABIAN
	29.092018 16	0.5pm	pm zalz	PKS7840/6640	0,41	0,50	LOEVDARINI
		6 10 pm	NOISCOB	PK5+840/6+640	51	55	L. DEVDARIAN
	29.09.208. 16	20 pm	VIbrettion	PK5+840/6+640	00	0,74	1. DEVDARIA
	30,09.2018.	9.10am	PM 23/23	ph 5+840/6+640	0,91	0,50	L. OFVDARIANI
	50,09.2018.	9.20am	NOISPas	RAS+810/6+640	51	.55	L. DEVDADIA
	30,99. 2018	9.254M	Ulbration 22/5	PKS+840/6+640	00	0,74	L. DEVDABA
-	1.10.2018.	9.10am	pm 32/23	PK5+840/6+640	0135	0,50	L. DEVPARM
		3.20am	NOISEAB	Pr5+840/6+640	49.	55	LDFUDADIN
	1.10.2018 9	. 25	Vibrationak	57 PK ST840/6+640	00	0.74	L DEVDIR

g sezajnşaat

Nº	თარიღი / დრო	პარამეტრი	ადგილმდებარეობა	მაჩვენებელი	ზდკ	შემმოწმეზელი
1	1.10.2018. 16.10pm	pm 23 103	PK5+840/6+640	0.31	0.50	L. DEVDARIAN
2	1.10,2018. 18. 15pm	Moise do	Ph5+840/6+640	49	55	L. DEVDARIMAN
3	1.10.2018. 16. 20pm	VIBUHIONAE	PR5+840/6+640	00	0.74	L DEVDABIAN
1	2.00.208 9.10 am	pm 23/23	PhSF840/6+640	0.37	0:50	1. DEVDADIANI
23	210.2018 9. 15 am	NOSE 08	PK5+840/6+640	41	55	1 DEVDADIAN
3	2.10,2018 9,20am	VIbrationa/6	DK5+840/6+640	00	0,74	2. DEVDARIAN
1	2,10,2018. 16. 05pm	pm 22/23	PKS+8406+640	0138	450	L. DEVDAR M
233	210208 16 15pm	NOISEda	PR5+84016+640	51	55	1. DEVDARN
3	210,2018 16, 2.5pm	Vibration	PR 51840/6169	00	OFT	LDEVDARIM
4	310,200 910 an	pm daras	PK5+840/6+640	01.33	0,55	4, DEVATRICA
3	3192018 9 20 am	NOISE do	PR5+840/6+640	4,0	55	1. DEVOABIAN
and the second division of the second divisio	3102018 9,250M		PKS+840/6+640	0,00	089	4. DEVDARINI
2	3.10.2018 16 05 pm 3.10.2018 16 10 pm	PM 2/0123	PK5+840/6+640	0,36	onso	L. DEVPABINI
3		Vibrationals	PR 7840/6+640	44	35	1. DEVDARINI
7			PR57840/6+640 PR57840/6+640	00	0179.	L. DEVOMALA
2	4.10.2018 9.10 an 4.10.2018. 9.20 an	PM 22/22 VICISE do		0,41.	0550	L. DEVDARINI
3	M.10.2018. 9. 30am	ubration 2100	PK5+940/6+640	38	55	E. DEVOAUMU
1	M.10.2018. 9. 30am M.10.2018 16 10pm	PM 23/23	PK5+840/6+640	0,35	0,50	L. DE VDARIY
2	4.10,2018. 16 20pm	NOISEdA	PR\$\$840161640	44	55	L. DEVDARINI
3	4.10,2016 16 30 pm	Vibration 2/5	PKS7840/6+640	0.0	0,74	2. PEVDARIAN
1	5.10,2018. 9.30 dm	PM 22/23	PR5+840/6+640	0.38	0.50	L DEVDARIANI
2	5.10.2018. 9.35am	NOISE do	PK5+840/6+640	44	55	LOEVDARIANI
3	5.10.2018 9. 40 um	VIbration 215		44	0,94	L DEVDARIANI
1	5.10.2018 16.10 pm	PM 23/22	PK5+840/6+640	0.33	0,50	L. DEVDARIANI
2	5.10.2010 16 20 pm	Noise de	PKS7840/6+640	44	5.5	I DEVOABLAN
3	5.10.2018 16 . 30 pm	vibration and	PR5+840/6+640	00	0,74	L DEVDARIANI
1	610.2018 9.30am	pm 22/62	PK57840/6+640	0,35	0450	1- DEVIDAR'AN
2	6.10.2018. 9.35 am	NOISE de	PK5+840/6+640	44	55	LOEVDARIANI
3	6.10.2018 9.40 am	Vibration 226	1PK57840/6+640	00	0,79	L. DEVDARIAN

34	ezajnşaat					
N₽	თარიღი / დრო	პარამეტრი	ადგილმდებარეობა	მაჩვენებელი	ზდკ	შემმოწმებელი
1 6.10	.2018. 16. OSpm	pa datas	PAST840/6+640	0,33	0.50	L. DEVDARIANI
2 6.10	2018- 16.10 pm	MOISC and	PK 57840/6+640	48	55	& DEVIDARIANII
	2018. 16.20pm	vibration 2,67	PKS7840/6+640		0,74	LDEVDABIANI
	2018 9.05 am	pm dz 103	PK 5+840/6+640	0 37	0,50	1. DEVDABIAM
2710	2018 9 10 am		PR5+840/6+640	46	55	LOEVDARIAMI
3710	2018 9 15 am	vibration on 150	PRS+K4016+640	0,0	0,74	L. DEPIDABIANS
	2018 16. OSpm	12m 22/63	PK 5F840/6F640	9,38	0,50	L. DEMDARIANI
2 7.10	-2018 16, 10pm		PRS+240/6+690	44	55	1. PEIPABINI
3 7.10		vibrationati	PKS784016+640	0,0.	0,74	1. DEVDERIANT
1 8.10	1.2017. 9.30am	PM 82/23	PRS7840164640	0,39	0,50	L. OFVOARIAN
	201 9.35am	and the second states will be	PRS+840/6+640	43	55	LDEVDARAW
	201 9. 40gm	Vibrationad	HST-90/6+640	00	0174	L. DEVDABIAN
1 810			PRS+840/6+640	0,39	0,55	1. DEVDARIAN
	2018. 16. 10 pm	NOISE 13	PRS+840/6+610	4.3	55	L PEUDARIAN
	2018. 16. 20pm	vibrational	1995+840/6+640	0,0	0,74	L. DELIDARIAN
1 9.10	2018. 9 05 am	Noise da	PR5784016+690	0,39	0,50	4. DEVIDADA
	2018 9 15 gm	Noise da	AR5+840/6+640	41	55	L. QVORRANI
		Vibrationa		90	0.79	F. DEVDARIA
1 9.10		pm 32/83	PR.5+840/86640	0,50	0,50	L. DEVDARIANI
2 9.10	000 11 200	Noise de	PKS789 016+690	41	55	L. DEVDARIAN
- LV	1.0	vibrotion azar	and the second se	0.0	0.79	L. DE DARIAN
	0.200, 9 00am	pm alt	PK5+840/6+640	9.37	0,50	E. DEVDARIANDI
3 10.11	a de la calactería	NOISE 03	PROPERTY COD HOYO	41	55	4 DEYDAR JAN
1 10.10	2016. 5. 05 pm		and all all an	0.00.	0,36	1 DEV DANIANI
2 10.1	200 - B. 05 pm	NOISE A3	DESLACOPTO	0.37	0,50	F. DEVID ABIAN
3 10.10	2108. 6. 15m	Librational/2	Proper State	00	0.34	L, UTYUARIAN
1 11 10	.2018 9.10 am		DASIQUOTOTO			- UEVLAR AV
2 11 10	2000 9 10	NOISE de	MATIC ALLAN	0.34	0.50	L. OEVDABLAN
2 14.10	Clark of the second	HILFADAD OF 109	05754067626	97.0	55	C. CEVUHAIAN
- 11,11	12016 9.20 am	Libration 22/82	PRS+84016+620	0,0	0,79	L. DEVOARTAI

N₽	თარიღი / დრო	პარამეტრი	ადგილმდებარეობა მ	მაჩვენებელი	ზდკ	შემმოწმებელი
(11.10.2018. 16 00pm	PM 263		0,38	0,50	L DEV DARIANI
2	11.10.20A 16.10 pm	NOISE do	PK5+840/6+640 8	78.	55	DEVDARIANI
3.	14.10.2018. 16.15	vibration33,62	PR5+840/64640	0.0	0.74	DEVDARIN
-	12.10.2018. J. 00 am	DM 22/63	PR5+840767690	0,31	0.50	1 DEVIDAR AN(
	12102018 9.10 gm	NOISE ela	PR5+840/6+640	41	55	DEMARIAN
)	12.10.2018. 9.20 gm	Vibrational	PR5+840/6+640	0.0	0.74	1 DEMARIAN
	12.10.2018. 16. 05pm	pm dals?		0.41	0.50	, D.VAMIAN
3	12 10,200 16 10 pm	Noise dr	1578406670	43	55	4 DEVDARIAN
3	12. 10.2018. 16: 15 pm	vibration 23/4	PK84016+640	0.0	0,74	LOEVDADIA
	1310.2018. 9 05 am	pr an	AST84016=640	047	0,50	DEVDAMIANS
_	B 10.2010 9. 10 an	NOISE do	PK5+840/61640	44	55	DEVDARIAN
3	13.10.200 9.20 mm	Vibrational	PRS+840/64640 (2, 0	0174	4. DE KAABA
,	13.10.208 16.10pm	pm 22/02	Phot-840/64640 1	0'44	0,50	LDEVOARIAM
2	0.10.2018 16 pm	NO15 23/5"	PK57640646.90	43	.55	L. DEVDARIAN
,	13.10. 2018. 16. 20pm	Ulbrations	PR5+840/64640	0,0	0,74	DEVDARIAM
-	14.10.208 9 10am	pm 383	PR 5789 06+040 (3,31	0,50	DE VDARIA
-	4.10.2018 9 20am	NOISECIO	H518401646 TO	49.	STAD.	L DEVOABIAN
	14.10.2618 9.30 an	UIDICHIN 22	PRS +840/6+640	0.0	0,74	DEVERAN
	14.102016 16,05 pm	pm 23/62	MS+2106+640 (2,43	9,50	4. DEVDAR AU
	14.10200 16. DOpm	NUQT 99	DECOUD HOYO	31	55	L PEYPADIAY
,	15.10.208 9.00am	VIDIATION 24	DE 2181.07.10	0,0	0177	1 1- 1parin
,	1510908 9 10 am	Alling de	he and all all	4.48	0,30	LOL VOARIAI
3	15/0 208 9 2000	11 pm pp 2 1	De cili have	50	0.74	A What AN
1	15.10.2018 16.10 pm	ha Jo ho	Do Stanulia	0.41	124	1 DUDDO ANI
9	15.10.2018 16 20mg	NOS8 JA	DEGIALOLICIA	01491	200	5H DOD
3	15.109018 1620m	Wihtatigha	Phendela	00	more	DEMADIAN.
1	10.10.8018. 9. Dan	nm 2010	PR 51890/64690 P	0,4.3.	0.50	h h l h
2		NOISCALO	PB 5+940/6+640	49	620	T DEVIARIONIE
3	16.10.2018 9. 10 am	11brasca20 k	0051240/4690	0.0	Bitty	L NEVOARIASN

Ne	BAH. YE TIC. LTD. STL	saat	2449-16-	Lun D. D.C. D. L	2.8 6 5		m 00 m0 m
1	16.10.2018	1609	PM 22 KP	30000000000000000000000000000000000000	838336383000 0,35 51 0,0	80150	C.DEVDARIAN
23	6. 10.2018.	16.15pm	V Bration 25	PKS7840/67640	0.0	55	Bolden Fagerand
					1		
-							

Annex 2

NCRs

DOH		HWA Bering Co., Li			MANCE R მობის აქტი	-	Roads Rehabilitation and Modernization Supervision Direction Lt
			NCR C	ODE / აქტის	კოდი: NCR-0	44	
	REQUEST	TING PART	Y /მომთხოვნი მს	აარე			
	Company: /am83a5oa	Dohwa		Department:/ ගුටුპාრტამენტი	HSE specialist		
	Name: Ausbogen	Paata Char	hkotadze		09.08.2018		
	NON-CON		CE/შეუსაბამობა				
200	Works Con- Location / S						
မိုဂဗ္ဗဂ	შეუსაზამო		PK4.500				
ი 1: იდენ	REQUIREN /References /მოთხოვნე მითითებეშ	: bo/	EIA report, Iter Top soil should		ith sub soil or ot	her materials	
TION/3653	DESCRIP NON- CONFORI	MANCE:/	Slopes of the em soil by gravel.	bankment were c	overed by top soil	layer. The Cont	ractor has covered t
: IDENTIFICA	POSSIBLE CAUSE:/8 ის წარმოშ	E ROOT ეუსაბამობ		i Nila	1		Material/ მასალა Manpower /მუშახელი Design /პროექტი Method
STEP 1							/მეთოდი Process/ პროცესი

DOHWA	DOHWA Engineering Co., Ltd.	NON-CONFORMANCE შეუსაბამობის აქ		Roads Rehabilitation and Modernization Supervision Direction L
		NCR CODE / აქტის კოდი: NC	R-044	
Doct	ched uments:/ მული ყუმენტაცია			
	1			and the second
		1 2 2 2	5	
wo	MEDIAL RKS PROPOSAL Re DRRECTION: ფენითი/გამოსას თებელი უშაოები:	move gravel from the slope	RE	REPAIR/შეკეთება DEMOLISH / JECT/დემონტაჟი არყოფა
სწორების საშუალება წ_3 გ_0 0.€	RKS PROPOSAL Re DRRECTION: ფენითი/გამოსას ებელი უშაოები:	move gravel from the slope		DEMOLISH / JECT/დემონტაჟი
სწორების საშუალება წ_3 გ_0 0.€	RKS PROPOSAL Re DRRECTION: აგენითი/გამოსას აებელი უშაოები: SURE E:/დაბურვის ogo RRECTIVE FION (to avoid urrence):/ ოსასწორებელი დებები(განმეორე თავიდან ვილებლად):	otect top soil from mixture with sub soil a		DEMOLISH / JECT/დემონტაჟი არყოფა) USE "AS IS"/ სებულის დატოვება ng EIA requiremen
LEMEDY/ ე రిచెం 2 : సినింటగ్గాగ్సారింగ టనిగ్రాహ్చారిం క్రైపైక్ల <u>లై రైల్లికి కొర</u> ి	RKS PROPOSAL Re DRRECTION: აგენითი/გამოსას აებელი უშაოები: SURE E:/დაბურვის ogo RRECTIVE FION (to avoid urrence):/ ოსასწორებელი დებები(განმეორე თავიდან ვილებლად):			DEMOLISH / JECT/დემონტაჟი არყოფა) USE "AS IS"/ სებულის დატოვება ng EIA requiremen

DOH	DO WA Enginee	IWA ring Co., Ltd.	NON-CONF შეუ	ORMANC საბამობის ა		ORT/	Roads Rehabilitation and Modernization Supervision Direction L
			NCR CODE /	აქტის კოდი: N	CR-044		
		y/გამოსწორება	REMEDIAL WORKS / CO	DRRECTION/യുടുള	თის თანხმო	აბა გამოსასწ	ორებელ
	Name:			Date	:/	Signat	ure:/
	სახელი			ගාණ	000	ხელმო	წერა
	Watch which which the same first through a first	უსაზამოზის აქ	HE CLOSURE OF jტის დახურვაზე	COMPANY: /3m83s6os PERSON:	SE2		
3	VER	RIFICATIO	N OF CLOSURE O	F THIS NCR / II	SPECTI	ON/შეუს:	აბამობის აქტის
URE/ეტაპი სამი: დახურვა	VER Attachme nts:/თანდ ართული დოკუმენტ აცია			ის დამოწმება/ი	ნსპექცია		
CLOSURE/ງຕ້ໍ່ຈະໄດ ໂຮຍີດ: ໝໍຍ່າງຕ້າງູ	Attachme nts:/თანდ ართული დოკუმენტ აცია	Subso	დახურვი	ის დამოწმება/ი	5Waggans	com t	
? 3 : CLOSURE/၅ဗိသဲဂ bado: ထူာဗ်ာကိဒ္ဒခ	Attachme nts:/თანდ ართული დოკუმენტ აცია ნomment s:/	Subso Site Inspect	დახურვი il has bee mor/ზედამხედველი	אל נפצאיזאין אין נפראינ The Contractor/ אפנ פאסין ב	angotopogen	tom t	he slope he Engineer/ objobition 2/used
STEP 3 : CLOSURE/၅၀၀သဲ၀ ၆၁၀၀: ထွာဗ်ဘွက်ဒွာ	Attachme nts:/თანდ ართული დოკუმენტ აცია	Subso Site Inspect	when the	The Contractor/ Necessory	ore Sta	tom t	he slope he Engineer / objobijino



DO	DOHWA DOHWA Engineering Co., Ltd.				IANCE REPORT/ მობის აქტი	Roads Rehabilitation and Modernization Supervision Direction L
			NCR	CODE /აქტის	კოდი: NCR-045	
	REQUEST	LING PAR	TY /მომთხოვნი მ	ხარე		
	Company: /კომპანია	Dohwa		Department:/ ගුලබාრტამენტი	Department/ USE maginlist	
	Name: Ausbogen	Paata Cha	inkotadze		04.09.2018	
0		FORMAN	ICE/მეუსაზამოზა			
ეტიფიკაცი	Works Con Location / 5 შეუსახამო მდებარეო! თი	Section:/ ໄຮຍີສູດີຣາປ	РК6,3			
ს 1: იდე	References	telerences: ოთბოვნეზი/		5- Ensure proper	technical maintenance of equ	ipment
FION/0042	DESCRIP NON- CONFOR ອ້າງໆປະອະດີອາ ຈອງຈີງກົດອາກາ	MANCE:/	Oil is leaking f	rom heavy equip	ment	
STEP 1 : IDENTIFICATION/ეტაპი 1: იდენტიფიკაცია	POSSIBL CAUSE:/c ზის წარმი შესაპლო მიზეზეზი	E ROOT მეუსაზაშო იშობის				Material/ రెక్కరాశ తొడిపర్రారాణ తొడిపర్రారాణ లెరిపర్రారాణ లెరిపర్రాణ లెరిపర్రాణ లెరిపర్రాణ గుండి గుం

DOHWA DOHWA Engineering Co., Ltd.			CONFORMANCE REPORT/ შეუსაბამობის აქტი	Roads Rehabilitati and Modernizatio Supervision Direction
		NCR C	ODE /აქტის კოდი: NCR-045	
0	აttached Jocuments:/ იბმული დოკუმენტაცია			
pengbo c c c m <		Bring all equipmen SEMP requireme		REPAIR/ີອູງລູງອາງອີ DEMOLISH / າະJECT/ຫຼາງອາດັ່ງວ່າງຄ ວ່າກົງເກືອງ
მოსწორები! ლ	LOSURE ATE:/დახურვის			USE "AS IS"/ რსებულის დატოვება
MEDY/ 0	იარიღი CORRECTIVE ACTION (to avold scurrence):/ კამოსასწორეზელი მედეზეზი(განმეორ ბის თავიდან საცილეზლად):		condition of heavy equipment	
2 :RE	LEVIEW by DESIGN	ER (if requiers):@	აამპროექტებლის კომენტარი (საჭიროების შემთ	სვევაში):
TEP	lame:/	adzee Position:/	HSE Date:/ 04.09.2018 Signature:/	Sil

DOI		HWA ering Co., Ltd.	NON-CONF შეუ	ORMANCE საბამობის აქი		Roads Rehabilitation and Modernization Supervision Direction Ltd
			NCR CODE /	აქტის კოდი: NCI	2-045	
	Comments:/კ	ომენტარი				
_	Name:			Date:/ ගෘහිගලග	Signa bඋලම	
	NCR:/0	and a state of the second	ie Closure of ეის დაბურვაზე	COMPANY: /an833503 PERSON: /3050	SEZA Vi Mehi	a
ანტე	VE		t OF CLOSURE O დახურვ	ის დამოწმება/ინს	PECTION/შეუს შექცია	აბამობის აქტის
මයා පුර	Attachme	pulate	and des	as been posed to	temaves hazerdous	from west com
RE/00230 los	nts:/თანდ ართული დოკუმენე აცია	1.000				
LOSURE/3030 bol	nts:/თანდ ართელი დოკუმენტ	area	r/ ზედამხედველი	The Contractor/ 82	Т	he Engineer /
EP 3 : CLOSURE/00000 hot	nts:/თანდ ართელი დოკუმენტ	Site Inspector		The Contractor/ 80 Necessory act	hons C	he Engineer / ინჟინერი /o se /
STEP 3 : CLOSURE/ეტაპი სამი: დახურვა	nts:/თანფ ართული დოკუმენ(აცია Comment s:/ კომენტარ	Site Inspector		The Contractor/ 80	hons C	he Engineer / ინჟინერი





DOHWA DOHWA Engineering Co., L					MANCE REPORT/ მობის აქტი	Roads Rehabilitation and Modernization Supervision Direction Ltd
			NCR	CODE / აქტის	კოდი: NCR-046	
	REQUESTING PART Company: (276835605) Dohwa		TY /მომთხოვნი	Department:/	HSE specialist	
	Name: Assegno		ankotadze			
STEP 1 : IDENTIFICATION/ეტაპი 1: იდენტიფიკაცია		FORMAN	NCE/8000000	1	and the second s	entites and a second
	Works Con Location / S მეუსახამო მდებარეოჩ თი	Section:/ სამუშაოს ბა/მონაკვე	PK6.3			
	REQUIRE		I SEMP- Item	5 Wataning of	1 10	
30.1: 0	References /მოთბოვნე მითითებე	jðo/	weather	15- watering of R	oads used for transport operati	ions during dry
TION/JOSSO 1: C	/მოთბოვნე	BO/ BO TION OF MANCE:/ BOU	weather	are disturbed by d	oads used for transport operati	

DO	DOHWA HWA EngineerIng Co.,		NON-C		MANCE RE მობის აქტი	PORT/	Roads Rehabilitation and Modernization
-			NCR CO	DE /sdehol	ს კოდი: NCR-04	6	Supervision Direction L
-					0 2	-	
	Attached Documents:/ მიხმული დოკუშენტაცია						
ეტაპი 2 : გამოსწორების საშუალება	REMEDIAL WORKS PROPOSAL / CORRECTION: ລຽຊຽງ5ດກາດ/ຮູລອີກປະ ມຣິກາດອີງຊາດ ມະອີກເອີນຕາງອີດ:		water on acco	ess road during	transportation of sp	L R Z	REPAIR/შეკეთება DEMOLISH / tEJECT/დემონტაჟი ეარყოფა
ამოსწორები	CLOSURE DATE:/დახურვის თარიდი]			∐ USE "AS IS"/ რსებულის დატოვება
X	CORRECTIVE ACTION (to avoid recurrence):/ გამოსასწორებელი ქმედებები(განმეორ ების თავიდან ასაცილებლად):	ĥ					
STEP 2 :REMED	REVIEW by DESIC	SNER (If					b308s8o):
H	Name:/ Paata Chank	otadzee	Position:/	HSE specialist	Date:/ 04.09.2018	Signature:/ ბელმოწერა	aft
IS	usbogeo Paata Chane				TION/@s8330000 os		and the f

DOH	DOH WA Engineer	ring Co., Ltd.		ORMANCE RE საბამობის აქტი	PORT/	Roads Rehabilitation and Modernization Supervision Direction Ltd			
			NCR CODE /	აქტის კოდი: NCR-046					
	Name: სახელი			Date:/ නාගිතලං	Signal ხელმი				
		საზამოზის ა	rHE CLOSURE OF ქტის დახურვაზე	COMPANY: SE /am833503 SE PERSON: V.	24 Melia	\			
cemo	VERIFICATION OF CLOSURE OF THIS NCR / INSPECTION/ອີງຫຼາມລຽວສິຫອດໃນ ລາງ ແລະ ແລະອາການ ແລະ								
CLOSURE/ეტაპი სამი: დახურვა	Attachme nts:/თანდ ართული დოკუმენტ აცია	Buri	ng dry po	eniodical Wo eads is c	tering arigng	ot out.			
TOSU		Site Inspec	tor/ ზედამხედველი	The Contractor/ 88ාුර්ාර්	ელი T	he Engineer / ინჟინერი			
	Comment s:/ კონენტარი	Ano	rased.	Necessary action have been Jake	- 1 /	losed			
STEP	Name: /wbggeo Date:	P.Che	unk whadre	A-ALLINT		H. MOON 018. 9.17			
	/තෘණිගලා Signature: /රාලලාමනම්ල	a.C	by	10.09.2018	-				
		-	of	Art		49.00			



DO	DOHWA DOHWA Engineering Co., Ltd.			NON-CONFORMANCE REPORT/ შეუსაბამობის აქტი		Roads Rehabilitation and Modernization Supervision Direction Lit	
			NCR C	CODE / აქტის	კოდი: NCR-047		
-	REQUES	TING PART	/ /විෆවිෆාර්ෆඉරිი ව	ხარი		- and the second	
	Company: /კომპანია	Dohwa		Department:/ ແກວນກ່ຽນຢ້າຍກ່ຽງວ	HSE specialist		
	Name: /lsbgg=0	Paata Chan	kotadze				
		NFORMANC	E/შეუსაბამობა	I commente a succession de la commencia de la comme el commencia de la commenc			
იფიკაცია	Works Con Location / ! მეუსაზამო მდებარეო დი	Section:/	PK6.3				
2006	REQUIRE	MENT(S)	SEMP: Item 5				
30 1: 00	/References /მოთხოვნე მითითეზე	ენი/ *	Maximum reh	abilitation of ro	ad sections damaged in the co be recorded and adequately re	and a state of the second second second	
: IDENTIFICATION/ეტაპი 1: იდენტიფიკაცია	/მოთხოვნე მითითებე DESCRIP NON-	rtion of August	Maximum reha n case of comp Access road to I nderground wa nd leaking in to	abilitation of ro plaints, it shall h PK6.3 was dama ter pipe was dama the undergrour		sponded. y trucks; il under asphalt laye	



Name 3300 CLIE Comm Name Name RIN 33 RIN 3 RIN 8 R	עפלער עפי ארדי ארי ארי ארי ארי א ארי ארי ארי	R (if requiers):დამპროექ zee Position:/ HSE არზიეთა speci N REMEDIAL WORKS / C ა THE CLOSURE OF აქტის დაბურვაზე ON OF CLOSURE O	Date:/ osficeo ORRECTION/Qs8230000 Date:/ osficeo Date:/ osficeo PERSON: /30fo	33 айтეвай შეваж 18 Signature:/ 00200050% 1 თანხმობა გამოსასя 5 € ZA /- M € ()	gentralingen ture:/
Name Usby CLIE Usby Comm Nam Usby RI	עפלער עפי ארדי ארי ארי ארי ארי א ארי ארי ארי	zee Position:/ HSE Janbagos speci N REMEDIAL WORKS / C IN THE CLOSURE OF School ຜູລວ່າງທີ່ສູລວ່າງ ON OF CLOSURE O	Date:/ osficeo ORRECTION/Qs8230000 Date:/ osficeo Date:/ osficeo PERSON: /30fo	18 Signature:/ bocedargoss sousobanos gudanius sousobanos gudanius signa bocedar bocedar f = M & ()	gentralingen ture:/
Nam Usbg	 Paata Chankolad: Chankolad: Chankolad:	²⁰⁰ პოზიცია speci N REMEDIAL WORKS / C ა THE CLOSURE OF აქტის დაბურვაზე ON OF CLOSURE O	alist თარილი CORRECTION/დამკვეთი Date:/ თარილი /კომპანია PERSON: /პირი V	18 россолість 2 альбоваль дьоанцый відпа bocco bocco f = ZA f - M & ()	ture:/
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CLII Luðgj Comm Luðg	אדיא אדיאראסטער איז	N REMEDIAL WORKS / C స్ THE CLOSURE OF స్టర్రంగ్ భుర్మాగణ్యంల్చి ON OF CLOSURE O	Date:/ Date:/ osfogo COMPANY: /grd3350s PERSON: /30fo DF THIS NCR / INSI	signa by the construction of the construction	ture:/
Nam Usby RI N(35)	e: 50 ESPONSIBLE FOR CR:/dyylusbadmou a byboldagogymo: VERIFICATIO Water	THE CLOSURE OF აქტის დახურვაზე ON OF CLOSURE O	COMPANY: /gm83s6os PERSON: /Jordo DF THIS NCR / INSI	EZA I-Mela	ngoris
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N(as	CR:/dy:/usbsdmbous wyboledegegymon VERIFICATIO	აქტის დახურვაზე ON OF CLOSURE O	/anddasfoos PERSON: /dorio JF THIS NCR / INSI	1-Mela	uhalmboli adadi
/ეტაპი სამი: ^g s ≓ ≥		pipe he	as been 1	Construction of the constr	
LOSURE	tachme s:/osba isozen izzlato igni		The Contractor/ 88	ა ენებელი T	`he Engineer / ინჟინერი
D: C	mment An	navo.Saal	the second s	tions	Closed
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Da	te: te:	09.18	A. Alche 1.1+ 10:05.2018		018.09,11
Sile /bc	gnature: ທູກຄິດທີ່ງ	51			014
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DO	DOHWA Engineering Co., Lt			NON-CONFORMANCE REPORT/ შეუსაზამობის აქტი		Roads Rehabilitation and Modernization Supervision Direction Lt
			NCF	R CODE / აქტის	კოდი: NCR-048	
-	REQUEST	TING PAR	TY /მომთხოვნ	ი მხარე		
	Company: /3m83s6os Name: /usbgeno Paata Chan		443 - 4673	Department:/ ගුලාპარტამენტი	HSE specialist	
			ankotadze	Date:/თარიღი	04.09.2018	
2	NON-CON		iCE/შეუსაბამო	ბა		
ეტიფიკაც	Works Con Location / 5 მეუსაბამო მდებარეო! თი	iection:/ სამუშაოს	PK4.5			
lo 1: 000	REQUIRE /References /შოთბოვნე მითითეზე	: ðo/	HS plan All workers a	nd visitors should v	wear PPE on construction sites	
: IDENTIFICATION/ეტაპი 1: იდენტიფიკაცია	DESCRIP NON- CONFOR Bygiubs8m	MANCE:/	Not one of the	e workers and forer	nen was not wearing a helmets	on site
THEICA	POSSIBL CAUSE:/ cause:/ bob წარმო შესამლო მთზეზეზე	E ROOT Iეუსაბამო აშობის				☐ Material/ ৪১ს১ლ১ ☐Manpower /მუშახელი ☐Design /პრলექტი



DOH	DO: WA Enginee	ring Co., Ltd.		ORMANCE RE საბამობის აქტი	PORT/	Roads Rehabilitation and Modernization Supervision Direction Ltd.		
	12002		NCR CODE /	აქტის კოდი: NCR-048				
	Name: lusbgeno			Date:/ ගෘරිරලග	Signat ხელმო			
		ესაზამოზის აქ	HE CLOSURE OF ტის დახურვაზე	COMPANY: /am83a56aa PERSON: /3060	2A Melia			
იმა	VERIFICATION OF CLOSURE OF THIS NCR / INSPECTION/შეუსაბამობის აქტის დახურვის დამოწმება/ინსპექცია							
STEP 3 : CLOSURE/Jტაპი სამი: დახურვა	Attachme nts:/თანდ ართული დოკუმენტ აცია	all p PPE	kersemel ga has bee	of rebrand	warh. f	ings.		
		Site Inspecto	or/ ზედამხედველი	The Contractor/ 8ටීාරිාර්	10000	ne Engineer / ინჟინერი		
ISOT		1	1	Necessary action have been falsen	15	1		
FEP 3 : CLOSI	Comment s:/ კෆව්ලර්ථාර්ග Name:	dpp	LOV ec/			I MOON		
STEP 3 : CLOSI	s:/ კომენტარი	0100 P.Chi P.Chi	100 ec/ 1 h studre	A-Akbulut 10.9.2018	5,1	10501 1. MUN 18. 9. 17		



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			NCR C	ODE /აქტის	კოდი: NCR-049				
	REQUEST	TING PAR	TY /მომთხოვნი მ	აარე	× 1				
	Company:	Dohwa		Department:/ pp35/63-805600 HSE specialist					
	Name: /usbgcro	Paata Cha	ankotadze	Date:/თარიღი	05 09 2018				
0	NON-CONFORMANCE//JordivAstration								
ნტიფიკაც	Works Con Location / S შეუსანამო მდენარეოჩ თი	iection:/ სამუშაოს ბა/მონაკვე	PK4.5						
30 1: ngg	REQUIRE: /References /მოთხოვნე მითითეზე	:)ða/	SEMP, Pollution Polluted tools an		nagement plan terials should be disposed in dr	ip trays			
MON/96%	DESCRIP NON- CONFOR Byylis8s8ri sgfgfrogra	MANCE:/	Lubricants and p	olluted tools are	disposed directly on ground				
STEP 1 : IDENTIFICATION/ეტაპი 1: იდენტიფიკაცია	POSSIBL	E ROOT		189428		Material/ علایت Manpower رکتی۲۵۵۵,000			



DOH	DOHWA OHWA Engineering Co., Ltd.		NON-CONFORMANCE REPORT/ შეუსაბამობის აქტი			Roads Rehabilitation and Modernization Supervision Direction Ltd		
135576			NCR CODE /	აქტის კოდი: NCR-049				
		ე/გამოსწორება		ORRECTION/დამკვეთის თანბმობა	გამოსასწო	რებელ		
-	Name: სახელი		25 af 1/2	Date:/ ගාෆීගලං	Signatu ხელმოწ			
RE/ეტაპი სამი: დახურვა	RESPONSIBLE FOR THE CLOSURE OF NCR:/djmusasamolu sijonu asbringsbig asbrindulagologen:							
	VE			F THIS NCR / INSPECTION	V/შეუსა			
	Attachine nts:/ossage stionyero generations are ct the Camp.							
RE/00330 hado: q	nts:/თანდ ართული დოკუმენტ	all p the are c.	ollutes teals site and t the Co	s has been m desposed te	e more haz	ardous was		
LOSURE/0030 hs80: 0	nts:/თანდ ართული დოკუმენტ	-	ollates teals site and t the Ca	s has been no desposed te imp. The Contractor/ 880,50,500000	Th	e Engineer /		
P 3 : CLOSURE/00330 hs80: 0	nts:/თანდ ართული დოკუმენტ აცია Comment s:/ კომენტარი	Site Inspect			The			
STEP 3 : CLOSURE/ეტაპი სამი: დახურვა	nts:/თანდ ართული დოკუმენტ აცია Comment s:/ კონენტარი Name: Auborgen Date:	Site Inspect		The Contractor/ 880508000 Necessary actions have been taken. PA-Akbulut	The C	e Engineer / ანჟინერი		
STEP 3 : CLOSURE/00200 baBo: 0	nts:/თანდ ართული დოკუმენტ აცია	Site Inspect		The Contractor/ 880508000 Necessery actions have been faken.	The C	e Engineer / ანჟინერი /osed H , M vo N		



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DC								
			NCR C	ODE / აქტის	კოდი: NCR-051			
	REQUES	TING PAR	TY /8ო8თხოვნი 8t	არე				
	Company: /კომპანია	Dohwa		Department:/ ගුලාპარტამენტი	HSE STECIALISE			
	Name: /სახელი		ankotadze	Date:/თარიღი	18.09.2018			
2		And a state of the	NCE/შეუსაბამობა					
မိုဝမ္မဝဒိုဝမ်	Works Concerned / Location / Section:/ შეუსაბამო სამუშაოს PK63 მდებარეობა/მონაკვე თი		РК63					
სი 1: იდენ	REQUIREMENT(S) /References: /შოთბოვნები/ მითითებები		SEMP, Pollution prevention management plan Diesel generators should be disposed in drip trays					
Esde/NOED	DESCRIPTION OF NON- CONFORMANCE:/ შეუსამამომის აღწერილომა		All diesel genera	tors are dispose	d directly on ground, without d	rip trays		
STEP 1 : IDENTIFICATION/30530 1: იდენტიფიკაცია	POSSIBLI CAUSE:// ბის წარმო შესამლო მიზეზები	შეუსაბამო აშობის				Material/ کالکوریہ Manpower کاریکی		

Recailed By Hüterin Gitter


DOF	DOHWA IWA Engineering Co., I	.td. შეუსა	RMANCE RE ბამობის აქტი	PORT/	Roads Rehabilitation and Modernization Supervision Direction Lt
		NCR CODE / sd	ეის კოდი: NCR-05	l	
	REMEDIAL WORKS PROPOSAL / CORRECTION: აღდგენითი/გამოსა სწორებელი სამუშაოები:	Dispose all diesel generators in	REJ	REPAIR/შეკეთება DEMOLISH / IECT/დემონტაჟი რყოფა	
ორეზის საშუ	CLOSURE DATE:/@sbm%golu				USE "AS IS"/ ბულის დატოვება
xQ0/X0	გამოსასწორებელი ქმედებები(განმეორ ების თავიდან ასავილებლად): REVIEW by DESIG!	Conduct additional po NER (If requiers):და8პროექტებ			
THEP	Name:/ Isogree Paata Chanko	peroogos specialist		Signature:/	\$1
STEEP	usborro Paata Chanko	antogos specialist	ostrogo	bomônijons 4	B. J
STEEP	ມະຍຸກຼາວ Paata Chanko CLIENT'S APPROVAI ມະຍາງອ້າວງ/ຈະຍືກມີຫຼັກ	antogos specialist	ostrogo	bomônijons 4	ure:/
STEEP	სახელი ^{Paata} Chanko CLIENT'S APPROVAJ სამუშაოებზე/გამოსწო Comments:/კომენტარი Name: სახელი RESPONSIBLE F4 NCR:/შეუსანა8ოხ ბასუბისმგებელი:	itadzee პოზიცია specialist CON REMEDIAL WORKS / CORI რება OR THE CLOSURE OF ის აქტის დაბურვაზე	азбадо IECTION/(дэв]зэрооls аля Date:/ лабодо СОМРАНУ: /дивЗабоа PERSON: /Зобо	boedinions (4 polinios poliniuslific boerdini 2 A Melian	me:/
STEEP	Usbogeo Patta Chanko CLIENT'S APPROVAJ ເລຍາງອີນດາງອ້າວໆ/ຈູມສິຕມິຄິດ Comments:/ງຕອ້ງຈິງ5ຽມກົດ Name: ແນວງອງດ Name: ແນວງອງດ RESPONSIBLE F4 NCR:/ຈຶ່ງໆໃນລ້ຽມອີດງອີດອາດ: VERIFICA	itadzee გოზიცია specialist CON REMEDIAL WORKS / CORI რება OR THE CLOSURE OF ის აქტის დაბურვაზე FION OF CLOSURE OF 7	азбадо IECTION/(дэв]зэрооls аля Date:/ лабодо СОМРАНУ: /дивЗабоа PERSON: /Зобо	boening (4) honos saarissig Signati boening 2 A Melia TTION/8070153	me:/

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DOHV	DOP VA Enginee	ring Co., Ltd.	And a second of the second of the second sec	ORMANCE REPOP საბამობის აქტი	RT/	Roads Rehabilitation and Modernization Supervision Direction Lto
			NCR CODE /	აქტის კოდი: NCR-051		
		Site Inspect	or/ ზედამხედველი	The Contractor/ 8ඊ රිත්ර රිත්		ie Engineer / ინჟინერი
	Comment s:/ გომენტარი	AD	prosell	Necessary actions have been taken.	(losed
	Name: Ausbogen	P. CH	unkolad le	A-Akbulyt		H. MOON
-	Date: /oshogo	26.05	18	24.04.2018	2	018.09.28
	Signature: /ბელმოწე რა	A	57/	ali		Le





DC	DO HWA Engine	HWA eering Co., 1	Ltd.	NON-C		IANCE REPORT , Iობის აქტი	Roads Rehabilitation and Modernization Supervision Direction Ltr
				NCR CO	DDE /აქტის	კოდი: NCR-052	
	REQUEST	TING PAR	TY /8	ომთბოვნი მხა	რე		
	Company:	Dohwa			Department:/	HSE specialist	
	Name: /usbgmo	Paata Cha	ankota	dze	38	24.09.2018	
0	NON-CONFORMANCE/downloadsdarda						
იმაციფიტი	Works Con Location / S dgglusbs8m Bgglusbs6m Bgglusbgglu poo	Section:/ სამუშაოს	PK6	3			
ი 1: იდენ	ຍິດຫາດຫຼາຍິງອີດ					nagement plan osed in drip trays	
eqQ/NOIT	DESCRIP NON- CONFOR Boylusbabri sofigificer	MANCE:/		ting diesel ge hity of riv. Mt		sed directly on ground, with	
STEP 1 : IDENTIFICATION/90230 1: 0205008038603	POSSIBL CAUSE:// ბის წარმო შესაპლო მიზეზები	მეუსაბანო აშობის					Material/ მასალა Manpower /მუშახელი Design /პროექტი Method /მეთოდი Process/ პროცესი

Received By Hüsegin Gigek

DOI	DOHWA HWA Engineering Co.	Ltd. შეუსა	RMANCE RI ბამობის აქტი	EPORT/	Roads Rehabilitation and Modernization Supervision Direction L
		NCR CODE / ನಿರಿ	ეის კოდი: NCR-05	12	
مرايع	REMEDIAL WORKS PROPOSAL / CORRECTION: აღდგენითი/გამოს სწორებელი სამუშაოები:	Dispose all diesel generators in	drip trays	REJ	REPAIR/შეკეთება DEMOLISH / IECT/დემონტაჟი რყოფა
2 :REMEDY/ ეტაპი 2 : გამოსწორების საშუალება	CLOSURE DATE:/დაბურვის თარიღი				USE "AS IS"/ ბულის დატოვეზა
STEP 2 :REMEDY/	Name:/ სახელი Paata Chan	percogoo specialist	Date:/ psfogo	Signature:/ bjლმიწურა (\$1
	CLIENT'S APPROV სამუშაოეზზე/გამოსწ Comments:/კომენტარი	AL ON REMEDIAL WORKS / CORR സ്റ്റർം	ECTION/დამკვეთის თ	ამბმობა გამოსასწი	wigere .
	Name: სახელი		Data:/	Signati	101210-001
17. 1. A			COMPANY:		
o luðo:	NCR:/შეუსახამო პასუხისმგებელი	A 10 MILLION AND A 10 MILLION AND AND AND AND AND AND AND AND AND AN	/კომპანია PERSON: /პირი		
: CLOSURE/JOSO 1880:	NCR:/შეუსახამო პასუხისმგებელი	ბის აქტის დაბურვაზე »: ATION OF CLOSURE OF T	PERSON: /domo		ბამობის აქტის

* **NON-CONFORMANCE REPORT/** 55 v DOHW4 STIV. შეუსაბამობის აქტი DOHWA Engineering Co., Ltd. Roads Rehabilitation and Modernization Supervision Direction Ltd. NCR CODE / აქტის კოდი: NCR-052 The Engineer / Site Inspector/ හිරුගුරිර්ගුගුරුලාග The Contractor/ හිට්රුර්ටුලාග ინჟინერი Comment Necessary actions have been taken. s:/ Closed DAMON 0 კომენტარი Name: AALbulut S.H. MOON Koradze Ausbogen Date: han 30.09.18 2018.09.28 28 09 7018 /mshago Signature: /ბელმოწე რა



DO	DO HWA Engine	HWA Beering Co.,				MANCE REPORT/ მობის აქტი	Roads Rehabilitation and Modernization Supervision Direction Lt
				NCR CO	DE /აქტის	კოდი: NCR-053	
	REQUEST	TING PAR	TY /8c	მთბოვნი მხარ	อ	en al che de la companya de la comp	
	Company: /კომპანია	Dohwa			Department:/ ගාබාරාලාවිදුරුල	HSE specialist	
	Name: Asbggro	Paata Ch	ankotad	ze	Date:/თარიღი	24.09.2018	
0	and the second s	FORMAN	NCE/8	უსაზამობა			
ნტიფიკაც	Works Concerned / Location / Section:/ მეუსაზამო სამუშაოს მდეზარეონა/მონაკვე თი		PK63				
0 1: ogg	REQUIREN /References /მოთბოვნე მითითებეს	: bo/	Conta	iners with haz	ardous mater	nagement plan rials should be disposed in drip	#0)
SOC/NOIT	DESCRIP NON- CONFORI მეუსაბამოს აღწერილო	MANCE:/				rials and polluted tools are disp of riv. Mtkvari	oosed on ground,
ENTHFICATI	POSSIBLI CAUSE:/8 ხის წარმო შესამლო მიზეზები	E ROOT ეუსაბამო შობის					Material/ Bასალა Manpower /მუშაზელი Design /პროექტი Method /მეთოდი □ Process/ პროცესი □ Other/ სხვ.

Received By Höseyn Goger



DO	DOHWA HWA Engineering Co.,	NON-CONFORMANCE REPORT შელსაბამობის აქტი	Roads Rehabilitation and Modernization Supervision Direction Ltd
		NCR CODE /აქტის კოდი: NCR-053	
ალება	REMEDIAL WORKS PROPOSAL / CORRECTION: აღდგენითი/გამოსა სწორებელი სამუშაოები:	Dispose all polluted tools and containers with hazardous materials in drip trays	REPAIR/ຢັງკვეთება DEMOLISH / REJECT/დემინტაჟი /ໆນຕົງເຕອຼა
ეორების საშუ	CLOSURE DATE:/დახურვის		🔲 USE "AS IS"/ არსებულის დატოვება
:REMEDY/ ეტაპი 2 : გამოსწორების საშჟალება	თარიღი CORRECTIVE ACTION (to avoid recurrence):/ გამოსასწორებელი ქმედებები(განმეორ ების თავიდან ასაცილებლად): REVIEW by DESIG	Conduct additional pollution prevention traini NER (if requiers):და8პროექტებლის კომენტარი (საჭიროების შემი	
STEP 2 :R	Name:/ საბელი CLIENT'S APPROVA სამუშაოებზე/გამოსწი Comments:/კომენტარო	pertoges specialist partogo poerations L ON REMEDIAL WORKS / CORRECTION/ໝູຍຊີຊູຊູງຫລບ ຫນ່ອີ່ນອີຫລັ້ນ ຄູມສືກປ່ ສາລົງວັນ	Julifrictingler
	lusbogeno		ღმოწერა
		COMPANY: CONTRACT	
STEP 3 : CLOSURE/ochoo lado:	NCR:/შეუსაბამოს პასუხისმგებელი	Job sjor usbornes by Jane La	

DOHWA Eng	OH gineeri			ORMANCE REPOR საბამობის აქტი	RT/	Roads Rehabilitation and Modernization Supervision Direction Ltr
			NCR CODE /	აქტის კოდი: NCR-053		
	1	Site Inspect	or/ ზედამხედველი	The Contractor/ 88ენეხელი		he Engineer / ინჟინერი
Comm s:/ კომენქ		p. Chi	unkobache	ilecessory actions howe been to key		closed
Name: /usbgg		Appr	oved	AAEbulut		H, MrON
Date: /mathog	Contraction of the local division of the loc	30.0	9. 2018	28.09.2018	Э	-018.19,28
Signat /ბელმი რა		Ø	31	1.		At







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Paata Cha NFORMAN acerned / Section:/ a Us8mBanb abb/BmBagganb abb/BmBagganb abb/BmBagganb abb/BmBagganb MENT(S) s: joba/ pBo PHON OF RMANGE:/	ankotadzə Dato:/ox CF/Gyrjbsbs8mbs PK45 HS plan All personnel and visitors s	should we	ear PPE on		event DDE c	on site
NFORMAS ncerned / Section:/ n სამუშაოს ახა/შონაკვე CMENT(S) s: igbo/ jbo PPION OF RMANGE:/	PK45 HS plan All personnel and visitors s	should wea	ar PPE on		event DDE c	on site
ncerned / Section:/ n სამუშაოს sb3/შონაკვე CMENT(S) st igba/ pbo PPION OF RMANGE:/	PK45 HS plan All personnel and visitors s				evant DDE c	on site
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s: pbo/ pbo/ PTION OF MANCE:/	All personnel and visitors s				arrant DDE	on site
PHON OF	No one from workers and v	visitors dic	d not equin	and with ral	atrant DDE	on site
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E ROOT შეუსახამო ოშობის ი.						Material/ Bologers Manpower /Bridobyers Design /Bridobyers /Bridob
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DOHWA	-	HWA eding Co., Ltd.	NON-C		orman sosombol			R	toade Rehabilitation and Modernization rervision Direction Ltd
			NCR C	ode /sj	ტის კოდი:	NCR-05	57		
REV	TEW b	y DESIGNER ((if requiers):@	ამპროექტე	ბლის კომენქ	არი (საჭი	როების შე	მთხვევან	ia):
Nama	ren Paa	ata Chankotadze	na pollop	HSE	st mathogo	31.10.2018	Signature: වැලස්පැදිලර		21
ර්යවල	მაოემზე	PPROVAL ON I ერგამოსწორება მენტარი	REMEDIAL W	ORKS / COR	RECTION/@3	1კვეთის თა	ანხმობა გამი	aluslifiningi	96
Nam				_		late:/		ilgnature:/ ელმოწერა	
Jee	სუბისმ	უსანამობის აქც გებელი: RIFICATION	OF CLOS	URE OF	PERSON: /30%0 THIS NCR	/ INSPEC	CTION/8	ელსაბამ	ობის აქტის
p _			Q	ახურვის	დამოწმება	/o6630	005		
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At a % &	s:/თანდ තාලლი ාලල්ල්	Add:tion personne	ennel troi I warn	ning h ed with	Quantiaga has been th writ	. cond tan vi	ncted, inrhings	Obse PP	ngineer /
	s:/თანდ iorელი კუმენტ აცია mment	Add: tion personne Site Inspector	not train	ed mil	has been th writ	cond tan va	sos neted, inchings	Obse PPT The E ofg Clo	ngineer/ Secol
Core starts Dat	s:/თანდ iorgლი ცუმენტ ავია თიოოt მენტარი me: ბელი	Add: tion personne Site Inspecto Appri P. Chi	nort troi I warn	ed mil	The Contract Vecessary been fa Abdullah A	or/ 80000	sos neted metings onchings have	Obse PPT The E obg Clo S. h Joil	ngineer/





Date 01/11/2018

To: Rebar worker Elkhan OSMANOV

On 31of OCTOBER 2018 at PK: 45 you observed at construction site without apropirate PPE. As per Health and Safety Disciplinary Actions that latter was given to you as a 'Written Warning' for the above mentioned prohibition.

Punishment for Violation: The first warning letter

This letter issued by: Vladimer MELIA HSE Manager

3_

Received by: Elkhan OSMANOV

Approved by: Project Manager / Sadik KARADOĞAN

Construction of The Modernization of Tbilisi-Rustavi section of the

\$ sezalnşaat

Date 01/11/2018

To: Rebar worker Rasim KULIEV

On 31of OCTOBER 2018 at PK: 45 you observed at construction site without apropirate PPE. As per Health and Safety Disciplinary Actions that latter was given to you as a 'Written Warning' for the above mentioned prohibition.

Punishment for Violation: The first warning letter

This letter issued by: Vladimer MELIA HSE Manager

Received by:

Rasim KULIEV

Approved by: Project Manager / Sadik KARADOĞAN

Construction of The Modernization of Tbilisi-Rustavi section of the

g zezajnşaat

WRITTEN WARNING

Date 01/11/2018

To: Rebar worker Temur CHITORELIDZE

On 31of OCTOBER 2018 at PK: 45 you observed at construction site without apropirate PPE. As per Health and Safety Disciplinary Actions that latter was given to you as a 'Written Warning' for the above mentioned prohibition.

Punishment for Violation: The first warning letter

This letter issued by: Vladimer MELIA HSE Manager

Received by: **Temur CHITORELIDZE**

Approved by: Project Manager / Sadik KARADOĞAN

Construction of The Modernization of Tbilisi-Rustavi section of the

\$ sezalnşaat

Date 01/11/2018

2

To: Rebar worker Ruslan TVAURI

On 31of OCTOBER 2018 at PK: 45 you observed at construction site without apropirate PPE. As per Health and Safety Disciplinary Actions that latter was given to you as a 'Written Warning' for the above mentioned prohibition.

Punishment for Violation: The first warning letter

This letter issued by: Vladimer MELIA HSE Manager

Received by: Ruslan TVAURI

Approved by: Project Manager / Sadik KARADOĞAN

Construction of The Modernization of Tbilisi-Rustavi section of the



Date 01/11/2018

To: Rebar worker Vakhtang CHIGLADZE

On 31of OCTOBER 2018 at PK: 45 you observed at construction site without apropirate PPE. As per Health and Safety Disciplinary Actions that latter was given to you as a 'Written Warning' for the above mentioned prohibition.

Punishment for Violation: The first warning letter

This letter issued by: Vladimer MELIA HSE Manager

Received by: Vakhtang

Vakhtang CHIGLADZE

Approved by: Project Manager / Sadik KARADOĞAI

Construction of The Modernization of Tbilisi-Rustavi section of the



Date 01/11/2018

To: Rebar worker Archil KVRIVISHVILI

On 31of OCTOBER 2018 at PK: 45 you observed at construction site without apropirate PPE. As per Health and Safety Disciplinary Actions that latter was given to you as a 'Written Warning' for the above mentioned prohibition.

Punishment for Violation: The first warning letter

This letter issued by: Vladimer MELIA HSE Manager 2.

Received by: Archil KVRIVISHVILI

Approved by: Project Manager / Sadik KARADOĞAN

2

Construction of The Modernization of Tbilisi-Rustavi section of the

Date 01/11/2018

To: Rebar worker Tengiz TARIELASHVILI

4 sezalnşaat

On 31of OCTOBER 2018 at PK: 45 you observed at construction site without apropirate PPE. As per Health and Safety Disciplinary Actions that latter was given to you as a 'Written Warning' for the above mentioned prohibition.

Punishment for Violation: The first warning letter

This letter issued by: Vladimer MELIA HSE Manager

Received by: Tengiz TARIELASHVILI

Approved by: Project Manager / Sadik KARADOĞAN

Construction of The Modernization of Tbilisi-Rustavi section of the

Annex 3

Status of Management plans

N₂	Name of Plan	Preparing	by/	Prepared	Deadline for submission/	Agreed with/
		by			Date of preparation (status)	Approved by
1	Pre-construction survey of flora and fauna within the RoW	Prepared Consulting	by	GAMMA	May 5, 2017	Approved by DOHWA and MDF
2	Emergency Response Plan	Prepared Consulting	by	GAMMA	April 5, 2017	Approved by DOHWA and MDF
3	Waste Management Plan	Prepared Consulting	by	GAMMA	May 15, 2017	Approved by MoEPA DOHWA and MDF
4	Top Soil Management Plan	Prepared Consulting	by	GAMMA	June 10, 2017	Approved by DOHWA and MDF
5	Communication plan with local people	Prepared Consulting	by	GAMMA	June 20, 2017	Approved by DOHWA and MDF
6	Traffic management plan; it shall include Community Safety and a Community Liaison Management Plan	Prepared Consulting	by	GAMMA	January 25, 2018	Approved by DOHWA and MDF
7	Camp site management plan, layout plan of the work camp and sanitary facilities, including a description of wastewater treatment and disposal	Prepared Consulting	by	GAMMA	July 10, 2017	Approved by DOHWA and MDF
8	Cultural Heritage Management Plan	Prepared Consulting	by	GAMMA	January 25, 2017	Approved by DOHWA and MDF
9	Health and Safety Plan	Prepared Consulting	by	GAMMA	July 18, 2017	Approved by DOHWA and MDF
10	Tree felling and landscape management plan	Prepared Consulting	by	GAMMA	August 7, 2017	Approved by DOHWA and MDF
11	A method statement on the management of dust and noise from material transport (including	Prepared Consulting	by	GAMMA	July 17, 2017	Approved by DOHWA and MDF

	construction of temporary noise barriers)			
12	Vibration control management plan (for 9 buildings)	Preparing by DRC	April 22, 2018	Approved by DOHWA and MDF
13	SSEMP for phase 1 and phase 3	Prepared by GAMMA Consulting	May 2018	Approved by DOHWA and MDF
14	SSEMP for phase 2	Prepared by GAMMA Consulting	May 2018	Approved by DOHWA and MDF
15	Building reinforcement plan	Prepared by the Contractor	May 2018	The concept methodology and relevant concept drawings have been approved by the Engineer and submitted to the Employer for further instructions
16	Oil separators construction plan	Prepared by the Contractor	May 2018	The concept methodology and relevant concept drawings have been approved by the Engineer and submitted to the Employer for further instructions
17	Vulnerable Groups Mitigation Plan	Prepared by the Contractor	20.01.2018	The concept methodology and relevant concept drawings have been approved by the Engineer and submitted to the Employer for further instructions
18	Reinstatement management plan (tree planting plan)	Has not been submitted	May 2018	

Annex 4 - Water Quality Monitoring Results



Customer: LTD "Gamma consaltingi"

Sample name: water samples:

№1 riv. Mtkvari : "To the building square PK-6+200"

№2 riv. Mtkvari "After the building square PK-6+300"

№3 "Channel to the of lubricants warehouse"

Nº4 "Channel after the of lubricants warehouse"

Data sampled: 28.09.2018

Lab # 445w-448w

Results of chemical examinations

Sample name	TPH mg/l	TSS mg/l
№1 riv. Mtkvari : "To the building square PK-6+200"	<0.04	20.4
№2 riv. Mtkvari "After the building square PK-6+300"	<0.04	24.8
№3 "Channel to the of lubricants warehouse"	0.13	64.0
No4 "Channel after the of lubricants warehouse"	0.07	58.0

The Lab. Leader

Zh.Gurjia