

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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Table of Contents

1	INTRODUCTION	4
1.1	Preamble	4
1.2	Headline Information	4
2	PROJECT DESCRIPTION AND CURRENT ACTIVITIES	5
2.1	Project Description.....	5
2.2	Project Contracts and Management	6
2.3	Project Activities During Current Reporting Period	11
2.4	Description of Any Changes to Project Design	18
2.5	Description of Any Changes to Agreed Construction methods.....	18
3.1.	General Description of Environmental Safeguard Activities	18
3.2.	Site Audits.....	19
3.3.	Issues Tracking (Based on Non-Conformance Notices).....	20
3.4.	Trends.....	20
3.5.	Unanticipated Environmental Impacts or Risks	22
4.1.	Overview of Monitoring Conducted during Current Period	22
4.2.	Trends.....	26
4.3.	Summary of Monitoring Outcomes.....	27
4.4.	Material Resources Utilisation	27
4.4.1.	Current Period.....	27
4.4.2.	Cumulative Resource Utilisation	27
4.5.	Waste Management	28
4.5.1.	Current Period.....	28
4.5.2.	Cumulative Waste Generation	29
4.6.	Health and Safety	29
4.6.1.	Community Health and Safety	29
4.6.2.	Worker Safety and Health.....	29
4.7.	Training	29
4.8.	Grievance Redress Mechanism (GRM).....	31
5.1.	SEMP Review	32
6.1.	Good Practice	32
6.2.	Opportunities for Improvement.....	32
7.1.	Summary	33
7.2.	Recommendations	33

ANNEXES:

ANNEX1: NOISE, VIBRATION AND DUST MONITORING RESULTS FOR partial NTP (PK5.840-6.640) during implementation of construction activities at that section (from 01.09.2018 to 16.10.2018)

Annex 2: NCR reports

Annex 3: Status of Management Plans

Abbreviations

ADB	Asian Development Bank
EA	Executing Agency
EARF	Environmental Assessment and Review Framework
EIA	Environmental Impact Assessment
EIP	Environmental Impact Permit
EMP	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

1. 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 4-lane 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.

Table 1. Road characteristics

Road length	31,36km	Main road	6.755km
		Ramps	5.54km
		Local Roads	1.14km
Excavation		820482.80m³	
Embankment		969610.0m³	
Concrete		84916.81m³	
Sub-Base and Base material for the Road pavement		147248m³	
Asphalt		79350Ton	

Culverts	Number	20
	Total length	1373.27LM
Bridges and Overpasses	33m	2bridges,14+12beams
	27m	3bridges,4+4+4beams
	19m	3bridges,4+4+4beams
Tunnels	Number	2
	Total length	80+10LM
	Change	PK4+610andPK4+640
Retaining walls	Total length	2505
	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 Ltd" (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 monitoring according to the SSEMP. As it was mentioned above, MDF is responsible for general implementation of all safeguards tasks. EA (MDF) and SC (DOHWA) are responsible for ensuring monitoring of the project implementation at the construction 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 before he takes possession of construction site; Time-to time monitor 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.

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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.

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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;

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- 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 log-book;
 - 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.

Table 2. List of environmental staff of organizations

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

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

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- 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 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 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

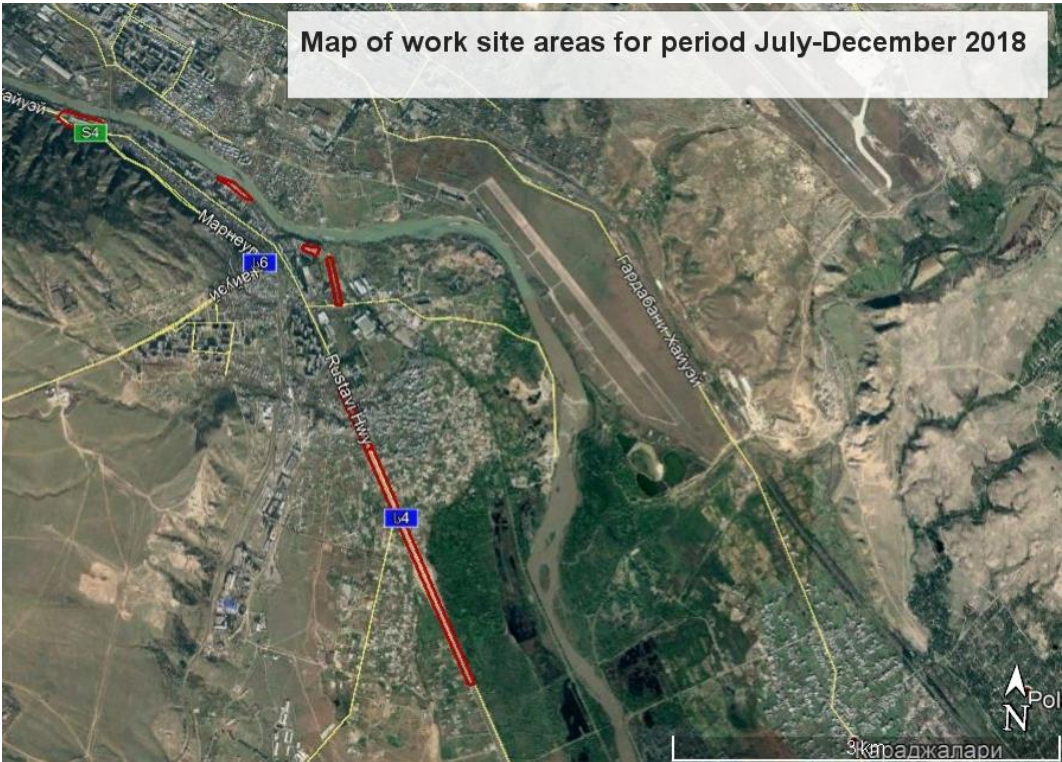


Table 4. Chart of worker numbers in the reporting period

Month	No of employs
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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.

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

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

				environmental consultant and Engineers.
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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 Gamma Ltd are presented in table 8. 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.

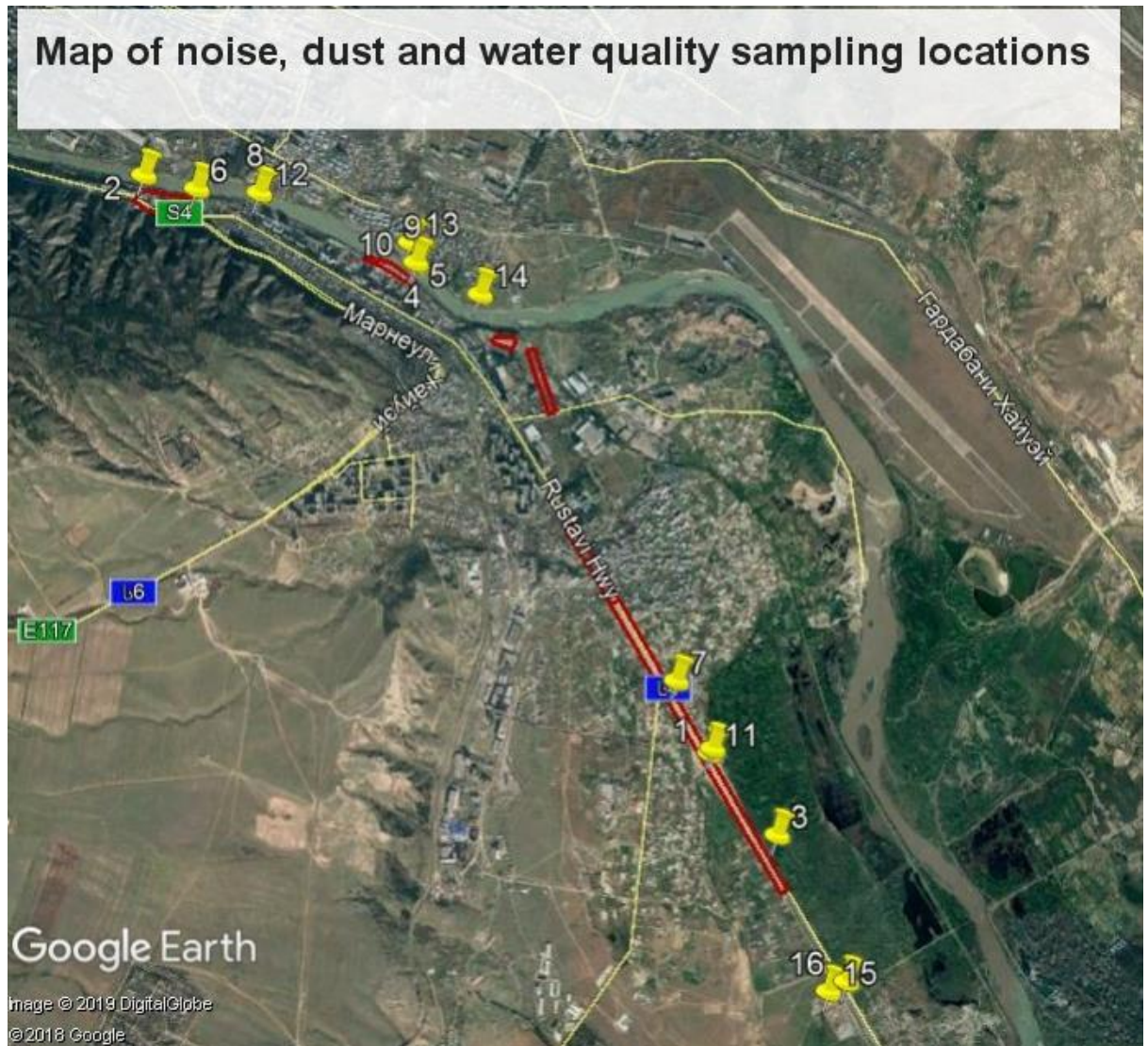
Table 8. Detailed monitoring results, provided by Gamma Ltd

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

8	X=0491052 Y=4612009	51dBA				10.07.2018
9	X=0491953 Y=4611510	49dBA				29.08.2018
10	X=0491947 Y=4611523	50dBA				12.09.2018
11	X=0493461 Y=4608488	51dBA				28.09.2018
12	X=0491056 y=4612009	52dBA				17.10.2018
	Sample point	Water samples				Date
		TPH mg/l	TSS, mg/l		05.10.2018	
13	№1 riv. Mtkvari : At the construction square PK 6+200	<0.04 Permissible concentration- 0.3mg/l	20.4	Permissible concentration- 50 mg/l (IFC guideline)	05.10.2018	
14	№ 2 riv. Mtkvari after the construction square PK6+300		24.8		05.10.2018	
15	№3 Channel 50m upstream the lubricants warehouse at the camp site		64.0		05.10.2018	
16	№4 Channel after the lubricants		58.0		05.10.2018	

	warehouse at the campsite					
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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

39. 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
2017	May	0	330,2043883	1201,863354
	June	6869,415385	348,1965735	736,9565217
	July	11181,53846	462,4977457	780,7453416
	August	13994,09231	430,748422	728,5714286
	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

2018	January	13200,8	548,097385	8534,161491
	February	12760,73846	611,1091073	6965,217391
	March	13340,92308	958,1725278	6469,565217
	April	9620,430769	1708,307785	4068,63354
	May	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 Ltd, 0.6 m ³ of hazardous waste (used oil) was used for lubricating of timbering, remaining 0.3 m ³ of used oil and 0.1 m ³ of polluted rags and used oil filters are stored on camp site at hazardous waste storage area. During next reporting period hazardous waste, stored on camp site will be delivered to Sanitari Ltd
August	Camp area	14	0.1	
September	Camp area	14	0.1	
October	Camp area	14	0.1	
November	Camp area	13	0.1	
December	Camp area	13	0.1	

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

		Construction of The Modernization of Tbilisi-Rustavi section of the Tbilisi-Red Bridge(Azerbaijani Border) Road					
TRAINING REPORT FORM							
Crew (კომანდა): J.S.B. 75 m. Location (ადგილმდებარეობა): PK-8+720		Date: 27.10.2018 Time: 10:55 am Name: Giorgi Sumbadze Position: HSE-officer Signature: 					
Training held by: (სახელი და გვარი) (პოსტის ტიტული)							
ATTENDEES (დამსმსწრები):							
N	NAME (სახელი & გვარი)	POSITION (პოსტის ტიტული)	SIGNATURE (ხელმოწერა)	N	NAME (სახელი & გვარი)	POSITION (პოსტის ტიტული)	SIGNATURE (ხელმოწერა)
1	გვამბაძე გიორგი	მშენებელი		33			
2	მამუკაშვილი გიორგი	მშენებელი		34			
3	გვამბაძე გიორგი	მშენებელი		35			
4	გვამბაძე გიორგი	მშენებელი		36			
5	გვამბაძე გიორგი	მშენებელი		37			
6	გვამბაძე გიორგი	მშენებელი		38			
7	გვამბაძე გიორგი	მშენებელი		39			
8	გვამბაძე გიორგი	მშენებელი		40			
9	გვამბაძე გიორგი	მშენებელი		41			
10	გვამბაძე გიორგი	მშენებელი		42			
11	გვამბაძე გიორგი	მშენებელი		43			
12	გვამბაძე გიორგი	მშენებელი		44			
13	გვამბაძე გიორგი	მშენებელი		45			
14	გვამბაძე გიორგი	მშენებელი		46			
15				47			
16				48			
17				49			
18				50			
19				51			
20				52			
21				53			
22				54			
23				55			
24				56			
25				57			
26				58			
27				59			
28				60			
29				61			
30				62			
31				63			
32				64			

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 non-conformity 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

№	თარიღი / დრო	პარამეტრი	ადგილმდებარეობა	მაჩვენებელი	ზღვ	შემოწმებული
1	01-09-2018 10:00 am	PM 23/23	PK-6+300	0,00	0,50	თ. გვამახიაძე
2	01-09-2018 10:03 am	Noise dB	PK-6+300	49	55	თ. გვამახიაძე
3	01-09-2018 10:08 am	Vibration 226 ²	PK-6+300	0,00	0,24	თ. გვამახიაძე
1	01-09-2018 16:04 pm	PM 23/23	PK-6+300	0,02	0,50	თ. გვამახიაძე
2	01-09-2018 16:10 pm	Noise dB	PK-6+300	48	55	თ. გვამახიაძე
3	01-09-2018 16:12 pm	Vibration 226 ²	PK-6+300	0,0	0,24	თ. გვამახიაძე
1	02-09-2018 08:10 am	PM 23/23	PK-6+100	0,01	0,50	თ. გვამახიაძე
2	02-09-2018 08:15 am	Noise dB	PK-6+100	50	55	თ. გვამახიაძე
3	02-09-2018 08:30 am	Vibration 226 ²	PK-6+100	0,00	0,24	თ. გვამახიაძე
1	02-09-2018 14:25 pm	PM 23/23	PK-6+100	0,22	0,50	თ. გვამახიაძე
2	02-09-2018 14:29 pm	Noise dB	PK-6+100	49	55	თ. გვამახიაძე
3	02-09-2018 14:32 pm	Vibration 226 ²	PK-6+100	0,00	0,24	თ. გვამახიაძე
1	03-09-2018 9:00 am	PM 23/23	PK-6+300	0,23	0,50	თ. გვამახიაძე
2	03-09-2018 9:16 am	Noise dB	PK-6+300	51	55	თ. გვამახიაძე
3	03-09-2018 9:25 am	Vibration 226 ²	PK-6+300	0,01	0,24	თ. გვამახიაძე
1	03-09-2018 17:05 pm	PM 23/23	PK-6+300	52	0,50	თ. გვამახიაძე
2	03-09-2018 17:08 pm	Noise dB	PK-6+100	0,47	55	თ. გვამახიაძე
3	03-09-2018 17:13 pm	Vibration 226 ²	PK-6+100	0,00	0,24	თ. გვამახიაძე
1	04-09-2018 08:05 am	PM 23/23	PK-6+300	0,30	0,50	თ. გვამახიაძე
2	04-09-2018 08:15 am	Noise dB	PK-6+000	51	55	თ. გვამახიაძე
3	04-09-2018 08:20 am	Vibration 226 ²	PK-6+100	0,00	0,24	თ. გვამახიაძე
1	04-09-2018 16:35 pm	PM 23/23	PK-5+900	0,32	0,50	თ. გვამახიაძე
2	04-09-2018 16:40 pm	Noise dB	PK-5+900	47	55	თ. გვამახიაძე
3	04-09-2018 16:55 pm	Vibration 226 ²	PK-6+300	0,00	0,24	თ. გვამახიაძე
1	05-09-2018 09:25 am	PM 23/23	PK-6+100	0,27	0,50	თ. გვამახიაძე
2	05-09-2018 09:40 am	Noise dB	PK-6+000	52	55	თ. გვამახიაძე
3	05-09-2018 09:50 am	Vibration 226 ²	PK-6+000	0,00	0,24	თ. გვამახიაძე
1	05-09-2018 17:20 pm	PM 23/23	PK-5+900	0,32	0,50	თ. გვამახიაძე
2	05-09-2018 17:32 pm	Noise dB	PK-6+300	49	55	თ. გვამახიაძე
3	05-09-2018 17:49 pm	Vibration 226 ²	PK-6+300	0,00	0,24	თ. გვამახიაძე

Construction of The Modernization of Tbilisi-Rustavi section of the Tbilisi-Red Bridge (Azerbaijani Border) Road

No	თარიღი / დრო	პარამეტრი	ადგილმდებარეობა	მაჩვენებელი	ზღვ	შემოწმებული
1	06.09.2018 10:00 am	PM 2 _{3/2} ³	PK-6+200	0,023	0,50	გ. სიმბაძე
2	06.09.2018 10:03 am	Noise dB	PK-6+200	52	55	გ. სიმბაძე
3	06.09.2018 10:10 am	Vibration 2 _{3/6} ²	PK-6+200	0,00	0,04	გ. სიმბაძე
1	06.09.2018 17:05 pm	PM 2 _{3/2} ³	PK-6+300	0,033	0,50	გ. სიმბაძე
2	06.09.2018 17:05 pm	Noise dB	PK-6+300	46	55	გ. სიმბაძე
3	06.09.2018 17:08 pm	Vibration 2 _{3/6} ²	PK-6+250	0,00	0,04	გ. სიმბაძე
1	07.09.2018 09:10 am	PM 2 _{3/2} ³	PK-6+250	0,31	0,50	გ. სიმბაძე
2	07.09.2018 09:12 am	Noise dB	PK-6+300	49	55	გ. სიმბაძე
3	07.09.2018 09:15 am	Vibration 2 _{3/6} ²	PK-6+300	0,00	0,04	გ. სიმბაძე
1	07.09.2018 16:45 pm	PM 2 _{3/2} ³	PK-6+200	0,033	0,50	გ. სიმბაძე
2	07.09.2018 16:50 pm	Noise dB	PK-6+200	48	55	გ. სიმბაძე
3	07.09.2018 17:00 pm	Vibration 2 _{3/6} ²	PK-6+200	0,00	0,04	გ. სიმბაძე
1	08.09.2018 9:00 am	PM 2 _{3/2} ³	PK-6+300	0,15	0,50	გ. სიმბაძე
2	08.09.2018 9:04 am	Noise dB	PK-6+300	46	55	გ. სიმბაძე
3	08.09.2018 9:10 am	Vibration 2 _{3/6} ²	PK-6+300	0,00	0,04	გ. სიმბაძე
1	08.09.2018	PM 2 _{3/2} ³	PK-6+300	0,26	0,50	გ. სიმბაძე
2	08.09.2018	Noise dB	PK-6+300	0,54	55	გ. სიმბაძე
3	08.09.2018	Vibration 2 _{3/6} ²	PK-6+300	0,20	0,04	გ. სიმბაძე
1	09.09.2018	PM 2 _{3/2} ³				გ. სიმბაძე
2	09.09.2018	Noise dB				გ. სიმბაძე
3	09.09.2018	Vibration 2 _{3/6} ²				გ. სიმბაძე
1	09.09.2018	PM 2 _{3/2} ³				გ. სიმბაძე
2	09.09.2018	Noise dB				გ. სიმბაძე
3	09.09.2018	Vibration 2 _{3/6} ²				გ. სიმბაძე
1	10.09.2018 9:00 am	PM 2 _{3/2} ³	PK-6+300	0,27	0,50	გ. სიმბაძე
2	10.09.2018 9:15 am	Noise dB	PK-6+300	50	55	გ. სიმბაძე
3	10.09.2018 9:18 am	Vibration 2 _{3/6} ²	PK-6+300	0,01	0,04	გ. სიმბაძე
1	10.09.2018 12:05 pm	PM 2 _{3/2} ³	PK-6+300	0,022	0,50	გ. სიმბაძე
2	10.09.2018 12:08 pm	Noise dB	PK-6+300	45	55	გ. სიმბაძე
3	10.09.2018 12:20 pm	Vibration 2 _{3/6} ²	PK-6+300	0,00	0,04	გ. სიმბაძე

Construction of The Modernization of Tbilisi-Rustavi section of the Tbilisi-Red Bridge (Azerbaijani Border) Road

No	თარიღი / დრო	პარამეტრი	ადგილმდებარეობა	მაჩვენებელი	ზღვ	შემოწმებული
1	11.09.2018 9:30 am	PM	PK-6+300	0,24	0,50	G. Sumbadze
2	11.09.2018 9:33 am	Noise	PK-6+300	51	55	G. Sumbadze
3	11.09.2018 9:40 am	Vibration	PK-6+300	0,0	0,04	G. Sumbadze
1	11.09.2018 14:50 pm	PM	PK-6+300	0,14	0,50	G. Sumbadze
2	11.09.2018 15:00 pm	Noise	PK-6+300	52	55	G. Sumbadze
3	11.09.2018 15:35 pm	Vibration	PK-6+300	0,01	0,04	G. Sumbadze
1	12.09.2018 8:15 am	PM	PK-6+200	0,21	0,50	G. Sumbadze
2	12.09.2018 8:18 am	Noise	PK-6+200	48	55	G. Sumbadze
3	12.09.2018 8:32 am	Vibration	PK-6+250	0,0	0,04	G. Sumbadze
1	12.09.2018 15:40 pm	PM	PK-6+300	0,25	0,50	G. Sumbadze
2	12.09.2018 15:50 pm	Noise	PK-6+300	48	55	G. Sumbadze
3	12.09.2018 16:05 pm	Vibration	PK-6+300	0,0	0,04	G. Sumbadze
1	13.09.2018 9:10 am	PM	PK-6+300	0,15	0,50	G. Sumbadze
2	13.09.2018 9:15 am	Noise	PK-6+300	53	55	G. Sumbadze
3	13.09.2018 9:30 am	Vibration	PK-6+200	0,0	0,04	G. Sumbadze
1	13.09.2018 16:10 pm	PM	PK-6+300	0,18	0,50	G. Sumbadze
2	13.09.2018 16:20 pm	Noise	PK-6+150	52	55	G. Sumbadze
3	13.09.2018 16:25 pm	Vibration	PK-6+200	0,01	0,04	G. Sumbadze
1	14.09.2018 9:00 am	PM	PK-6+300	0,20	0,50	G. Sumbadze
2	14.09.2018 9:14 am	Noise	PK-6+300	52	55	G. Sumbadze
3	14.09.2018 9:18 am	Vibration	PK-6+300	0,0	0,04	G. Sumbadze
1	14.09.2018 18:20 pm	PM	PK-6+250	0,18	0,50	G. Sumbadze
2	14.09.2018 18:25 pm	Noise	PK-6+300	53	55	G. Sumbadze
3	14.09.2018 18:40 pm	Vibration	PK-6+300	0,0	0,04	G. Sumbadze
1	15.09.2018 8:15 am	PM	PK-6+300	0,29	0,50	G. Sumbadze
2	15.09.2018 8:20 am	Noise	PK-6+300	48	55	G. Sumbadze
3	15.09.2018 9:00 am	Vibration	PK-6+300	0,0	0,04	G. Sumbadze
1	15.09.2018 18:02 pm	PM	PK-6+300	0,25	0,50	G. Sumbadze
2	15.09.2018 18:10 pm	Noise	PK-6+300	53	55	G. Sumbadze
3	15.09.2018 18:15 pm	Vibration	PK-6+500	0,01	0,04	G. Sumbadze

Construction of The Modernization of Tbilisi-Rustavi section of the Tbilisi-Red Bridge (Azerbaijani Border) Road

No	თარიღი / დრო	პარამეტრი	ადგილმდებარეობა	მაჩვენებელი	ზღვ	შემმოწმებელი
1	16.09.2018 10am	PM 2/2 ³	PK 6+300	0,20	0,50	გ.სამბაძე
2	16.09.2018 10.03am	Noise dB	PK 6+300	51	55	გ.სამბაძე
3	16.09.2018 10.07am	Vibration dB	PK 6+300	0,04	0,74	გ.სამბაძე
1	16.09.2018 16.30pm	PM 2/2 ³	PK 6+300	0,18	0,50	გ.სამბაძე
2	16.09.2018 16.33pm	Noise dB	PK 6+300	38	55	გ.სამბაძე
3	16.09.2018 16.35pm	Vibration dB	PK 6+300	0,0	0,74	გ.სამბაძე
1	17.09.2018 10.00am	PM 2/2 ³	PK 6+300	0,18	0,50	გ.სამბაძე
2	17.09.2018 10.02am	Noise dB	PK 6+300	49	55	გ.სამბაძე
3	17.09.2018 10.05am	Vibration dB	PK 6+300	0,01	0,74	გ.სამბაძე
1	17.09.2018 16.30pm	PM 2/2 ³	PK 6+300	0,33	0,50	გ.სამბაძე
2	17.09.2018 16.33pm	Noise dB	PK 6+300	49	55	გ.სამბაძე
3	17.09.2018 16.35pm	Vibration dB	PK 6+300	0,0	0,74	გ.სამბაძე
1	18.09.2018 10.00am	PM 2/2 ³	PK 6+300	0,33	0,50	გ.სამბაძე
2	18.09.2018 10.02am	Noise dB	PK 6+300	48	55	გ.სამბაძე
3	18.09.2018 10.05am	Vibration dB	PK 6+300	0,0	0,74	გ.სამბაძე
1	18.09.2018 16.30pm	PM 2/2 ³	PK 6+300	0,30	0,50	გ.სამბაძე
2	18.09.2018 16.33pm	Noise dB	PK 6+300	37	55	გ.სამბაძე
3	18.09.2018 16.35pm	Vibration dB	PK 6+300	0,0	0,74	გ.სამბაძე
1	19.09.2018 9.30am	PM 2/2 ³	PK 6+300	0,22	0,50	გ.სამბაძე
2	19.09.2018 9.33am	Noise dB	PK 6+300	49	55	გ.სამბაძე
3	19.09.2018 9.35am	Vibration dB	PK 6+300	0,0	0,74	გ.სამბაძე
1	19.09.2018 16.30pm	PM 2/2 ³	PK 6+300	0,23	0,50	გ.სამბაძე
2	19.09.2018 16.33pm	Noise dB	PK 6+300	52	55	გ.სამბაძე
3	19.09.2018 16.35pm	Vibration dB	PK 6+300	0,0	0,74	გ.სამბაძე
1	20.09.2018 9.30am	PM 2/2 ³	PK 6+300	0,18	0,50	გ.სამბაძე
2	20.09.2018 9.33am	Noise dB	PK 6+300	50	55	გ.სამბაძე
3	20.09.2018 9.35am	Vibration dB	PK 6+300	0,0	0,74	გ.სამბაძე
1	20.09.2018 16.30pm	PM 2/2 ³	PK 6+300	0,21	0,50	გ.სამბაძე
2	20.09.2018 16.33pm	Noise dB	PK 6+300	48	55	გ.სამბაძე
3	20.09.2018 16.35pm	Vibration dB	PK 6+300	0,0	0,74	გ.სამბაძე

Construction of The Modernization of Tbilisi-Rustavi section of the Tbilisi-Red Bridge (Azerbaijani Border) Road

No	თარიღი / დრო	პარამეტრი	ადგილმდებარეობა	მაჩვენებელი	ზღვ.	შემოწმებული
1	21.09.2018 9:00 am	PM 23/23	PK-5+840	0,056	0,50	G. Sumbadze
2	21.09.2018 9:03 am	Noise dB	PK-6+640	54,5	55	G. Sumbadze
3	21.09.2018 9:08 am	Vibration 22/6	PK-6+640	0,00	0,74	G. Sumbadze
1	21.09.2018 16:45 pm	PM 23/23	PK-5+840	0,054	0,50	G. Sumbadze
2	21.09.2018 16:49 pm	Noise dB	PK-5+840	50,0	55	G. Sumbadze
3	21.09.2018 16:55 pm	Vibration 22/6	PK-5+840	0,00	0,74	G. Sumbadze
1	22.09.2018 8:15 am	PM 23/23	PK-5+840 PK-6+640	0,057	0,50	G. Sumbadze
2	22.09.2018 8:19 am	Noise dB	PK-5+840 PK-6+640	52	55	G. Sumbadze
3	22.09.2018 8:25 am	Vibration 22/6	PK-5+840 PK-6+640	0,00	0,74	G. Sumbadze
1	22.09.2018 18:00 pm	PM 23/23	PK-5+840 PK-6+640	0,060	0,50	G. Sumbadze
2	22.09.2018 18:15 pm	Noise dB	PK-5+840 PK-6+640	53,0	55	G. Sumbadze
3	22.09.2018 18:18 pm	Vibration 22/6	PK-5+840 PK-6+640	0,00	0,74	G. Sumbadze
1	23.09.2018 8:05 am	PM 23/23	PK-5+840	0,058	0,50	G. Sumbadze
2	23.09.2018 8:10 am	Noise dB	PK-5+840	52,5	55	G. Sumbadze
3	23.09.2018 8:15 am	Vibration 22/6	PK-5+840	0,00	0,74	G. Sumbadze
1	23.09.2018 16:30 pm	PM 23/23	PK-6+640	0,058	0,50	G. Sumbadze
2	23.09.2018 16:35 pm	Noise dB	PK-6+640	54,0	55	G. Sumbadze
3	23.09.2018 16:40 pm	Vibration 22/6	PK-6+640	0,00	0,74	G. Sumbadze
1	24.09.2018 8:30 am	PM 23/23	PK-5+840 PK-6+640	0,058	0,50	G. Sumbadze
2	24.09.2018 8:35 am	Noise dB	PK-5+840 PK-6+640	54,5	55	G. Sumbadze
3	24.09.2018 8:39 am	Vibration 22/6	PK-5+840 PK-6+640	0,00	0,74	G. Sumbadze
1	24.09.2018	PM 23/23				
2	24.09.2018	Noise dB				
3	24.09.2018	Vibration 22/6				
1	25.09.2018 8:30 am	PM 23/23	PK-5+840/PK-6+640	0,055	0,50	G. Sumbadze
2	25.09.2018 8:35 am	Noise dB	PK-5+840/PK-6+640	52,0	55	G. Sumbadze
3	25.09.2018 8:40 am	Vibration 22/6	PK-5+840/PK-6+640	0,00	0,74	G. Sumbadze
1	25.09.2018 12:10 pm	PM 23/23	PK-5+840/PK-6+640	0,050	0,50	G. Sumbadze
2	25.09.2018 12:14 pm	Noise dB	PK-5+840/PK-6+640	48,5	55	G. Sumbadze
3	25.09.2018 12:20 pm	Vibration 22/6	PK-5+840/PK-6+640	0,00	0,74	G. Sumbadze

Construction of The Modernization of Tbilisi-Rustavi section of the Tbilisi-Red Bridge (Azerbaijani Border) Road

No	თარიღი / დრო	პარამეტრი	აღვიწმულდებარეობა	მაჩვენებელი	ზღვ	შემმოწმებელი
1	26.09.2018 9:00 am	PM 2/12 ³	PK-5+840/6+640	0,035	0,50	G. Sumbadze
2	26.09.2018 9:03 am	Noise dB	PK-5+840/6+640	52,0	55	G. Sumbadze
3	26.09.2018 9:15 am	Vibration 22/6 ²	PK-5+840/6+640	0,00	0,24	G. Sumbadze
1	26.09.2018 16:08 pm	PM 2/12 ³	PK-5+840/6+640	0,042	0,50	G. Sumbadze
2	26.09.2018 16:16: pm	Noise dB	PK-5+840/6+640	48,5	55	G. Sumbadze
3	26.09.2018 16:20 pm	Vibration 22/6 ²	PK-5+840/6+640	0,00	0,24	G. Sumbadze
1	27.09.2018 8:30 am	PM 2/12 ³	PK-5+840/6+640	0,037	0,50	G. Sumbadze
2	27.09.2018 8:40 am	Noise dB	PK-5+840/6+640	50,0	55	G. Sumbadze
3	27.09.2018 9:00 am	Vibration 22/6 ²	PK-5+840/6+640	0,00	0,24	G. Sumbadze
1	27.09.2018 16:06 pm	PM 2/12 ³	PK-5+840	0,33	0,50	L. DEVDARIANI
2	27.09.2018 16:10 pm	Noise dB	PK-5+840/6+640	49	55	L. DEVDARIANI
3	27.09.2018 16:15 pm	Vibration 22/6 ²	PK-5+840/6+640	0,0	0,74	L. DEVDARIANI
1	28.09.2018 9:10 am	PM 2/12 ³	PK-5+840/6+640	0,37	0,50	L. DEVDARIANI
2	28.09.2018 9:15 am	Noise dB	PK-5+840/6+640	49	55	L. DEVDARIANI
3	28.09.2018 9:20 am	Vibration 22/6 ²	PK-5+840/6+640	0,0	0,74	L. DEVDARIANI
1	28.09.2018 16:10 pm	PM 2/12 ³	PK-5+840/6+640	0,35	0,50	L. DEVDARIANI
2	28.09.2018 16:15 pm	Noise dB	PK-5+840/6+640	51	55	L. DEVDARIANI
3	28.09.2018 16:20 pm	Vibration 22/6 ²	PK-5+840/6+640	0,0	0,74	L. DEVDARIANI
1	29.09.2018 9:10 am	PM 2/12 ³	PK-5+840/6+640	0,33	0,50	L. DEVDARIANI
2	29.09.2018 9:15 am	Noise dB	PK-5+840/6+640	48	55	L. DEVDARIANI
3	29.09.2018 9:20 am	Vibration 22/6 ²	PK-5+840/6+640	0,0	0,74	L. DEVDARIANI
1	29.09.2018 16:05 pm	PM 2/12 ³	PK-5+840/6+640	0,41	0,50	L. DEVDARIANI
2	29.09.2018 16:10 pm	Noise dB	PK-5+840/6+640	51	55	L. DEVDARIANI
3	29.09.2018 16:20 pm	Vibration 22/6 ²	PK-5+840/6+640	0,0	0,74	L. DEVDARIANI
1	30.09.2018 9:10 am	PM 2/12 ³	PK-5+840/6+640	0,41	0,50	L. DEVDARIANI
2	30.09.2018 9:20 am	Noise dB	PK-5+840/6+640	51	55	L. DEVDARIANI
3	30.09.2018 9:25 am	Vibration 22/6 ²	PK-5+840/6+640	0,0	0,74	L. DEVDARIANI
1	1.10.2018 9:10 am	PM 2/12 ³	PK-5+840/6+640	0,35	0,50	L. DEVDARIANI
2	1.10.2018 9:20 am	Noise dB	PK-5+840/6+640	49	55	L. DEVDARIANI
3	1.10.2018 3:25	Vibration 22/6 ²	PK-5+840/6+640	0,0	0,74	L. DEVDARIANI

Construction of The Modernization of Tbilisi-Rustavi section of the Tbilisi-Red Bridge (Azerbaijani Border) Road

No	თარიღი / დრო	პარამეტრი	ადგილმდებარეობა	მაჩვენებელი	ზღვ	შემმოწმებელი
1	1.10.2018. 16.10pm	PM $a_{2/10^3}$	PK5+840/6+640	0.31	0.50	L. DEVDARIANI
2	1.10.2018. 16.15pm	Noise db	PK5+840/6+640	49	55	L. DEVDARIANI
3	1.10.2018. 16.20pm	Vibration $a_{2/10^3}$	PK5+840/6+640	0.0	0.74	L. DEVDARIANI
1	2.10.2018. 9.10 am	PM $a_{2/10^3}$	PK5+840/6+640	0.37	0.50	L. DEVDARIANI
2	2.10.2018. 9.15 am	Noise db	PK5+840/6+640	41	55	L. DEVDARIANI
3	2.10.2018. 9.20 am	Vibration $a_{2/10^3}$	PK5+840/6+640	0.0	0.74	L. DEVDARIANI
1	2.10.2018. 16.05pm	PM $a_{2/10^3}$	PK5+840/6+640	0.38	0.50	L. DEVDARIANI
2	2.10.2018. 16.15pm	Noise db	PK5+840/6+640	51	55	L. DEVDARIANI
3	2.10.2018. 16.25pm	Vibration $a_{2/10^3}$	PK5+840/6+640	0.0	0.74	L. DEVDARIANI
1	3.10.2018. 9.10 am	PM $a_{2/10^3}$	PK5+840/6+640	0.33	0.55	L. DEVDARIANI
2	3.10.2018. 9.20 am	Noise db	PK5+840/6+640	46	55	L. DEVDARIANI
3	3.10.2018. 9.25 am	Vibration $a_{2/10^3}$	PK5+840/6+640	0.0	0.74	L. DEVDARIANI
1	3.10.2018. 16.05 pm	PM $a_{2/10^3}$	PK5+840/6+640	0.36	0.50	L. DEVDARIANI
2	3.10.2018. 16.10 pm	Noise db	PK5+840/6+640	44	55	L. DEVDARIANI
3	3.10.2018. 16.20pm	Vibration $a_{2/10^3}$	PK5+840/6+640	0.0	0.74	L. DEVDARIANI
1	4.10.2018. 9.10 am	PM $a_{2/10^3}$	PK5+840/6+640	0.41	0.50	L. DEVDARIANI
2	4.10.2018. 9.20 am	Noise db	PK5+840/6+640	38	55	L. DEVDARIANI
3	4.10.2018. 9.30 am	Vibration $a_{2/10^3}$	PK5+840/6+640	0.0	0.74	L. DEVDARIANI
1	4.10.2018. 16.10pm	PM $a_{2/10^3}$	PK5+840/6+640	0.35	0.50	L. DEVDARIANI
2	4.10.2018. 16.20pm	Noise db	PK5+840/6+640	44	55	L. DEVDARIANI
3	4.10.2018. 16.30pm	Vibration $a_{2/10^3}$	PK5+840/6+640	0.0	0.74	L. DEVDARIANI
1	5.10.2018. 9.30 am	PM $a_{2/10^3}$	PK5+840/6+640	0.38	0.50	L. DEVDARIANI
2	5.10.2018. 9.35 am	Noise db	PK5+840/6+640	44	55	L. DEVDARIANI
3	5.10.2018. 9.40 am	Vibration $a_{2/10^3}$	PK5+840/6+640	0.0	0.74	L. DEVDARIANI
1	5.10.2018. 16.10pm	PM $a_{2/10^3}$	PK5+840/6+640	0.33	0.50	L. DEVDARIANI
2	5.10.2018. 16.20pm	Noise db	PK5+840/6+640	44	55	L. DEVDARIANI
3	5.10.2018. 16.30 pm	Vibration $a_{2/10^3}$	PK5+840/6+640	0.0	0.74	L. DEVDARIANI
1	6.10.2018. 9.30 am	PM $a_{2/10^3}$	PK5+840/6+640	0.35	0.50	L. DEVDARIANI
2	6.10.2018. 9.35 am	Noise db	PK5+840/6+640	44	55	L. DEVDARIANI
3	6.10.2018. 9.40 am	Vibration $a_{2/10^3}$	PK5+840/6+640	0.0	0.74	L. DEVDARIANI

Construction of The Modernization of Tbilisi-Rustavi section of the Tbilisi-Red Bridge (Azerbaijani Border) Road

No	თარიღი / დრო	პარამეტრი	აღვიომდეგარეობა	მაჩვენებელი	ზღვ	შემმოწმებელი
1	6.10.2018. 16.05pm	PM $a_{3/16}$	PR5840/6+640	0,33	0,50	L. DEVDARIANI
2	6.10.2018. 16.10 pm	NOISE d_b	PR5840/6+640	48	55	L. DEVDARIANI
3	6.10.2018. 16.20pm	vibration $a_{3/16}$	PR5840/6+640	0,0	0,74	L. DEVDARIANI
1	7.10.2018. 9.05 am	PM $a_{3/16}$	PR5840/6+640	0,37	0,50	L. DEVDARIANI
2	7.10.2018. 9.10 am	NOISE d_b	PR5840/6+640	46	55	L. DEVDARIANI
3	7.10.2018. 9.15 am	vibration $a_{3/16}$	PR5840/6+640	0,0	0,74	L. DEVDARIANI
1	7.10.2018. 16.05pm	PM $a_{3/16}$	PR5840/6+640	0,38	0,50	L. DEVDARIANI
2	7.10.2018. 16.10pm	NOISE d_b	PR5840/6+640	44	55	L. DEVDARIANI
3	7.10.2018. 16.15pm	vibration $a_{3/16}$	PR5840/6+640	0,0	0,74	L. DEVDARIANI
1	8.10.2018. 9.30am	PM $a_{3/16}$	PR5840/6+640	0,39	0,50	L. DEVDARIANI
2	8.10.2018. 9.35am	NOISE d_b	PR5840/6+640	43	55	L. DEVDARIANI
3	8.10.2018. 9.40am	vibration $a_{3/16}$	PR5840/6+640	0,0	0,74	L. DEVDARIANI
1	8.10.2018. 16.05pm	PM $a_{3/16}$	PR5840/6+640	0,39	0,55	L. DEVDARIANI
2	8.10.2018. 16.10pm	NOISE d_b	PR5840/6+640	43	55	L. DEVDARIANI
3	8.10.2018. 16.20pm	vibration $a_{3/16}$	PR5840/6+640	0,0	0,74	L. DEVDARIANI
1	9.10.2018. 9.05 am	PM $a_{3/16}$	PR5840/6+640	0,39	0,50	L. DEVDARIANI
2	9.10.2018. 9.15 am	NOISE d_b	PR5840/6+640	41	55	L. DEVDARIANI
3	9.10.2018. 9.20 am	vibration $a_{3/16}$	PR5840/6+640	0,0	0,74	L. DEVDARIANI
1	9.10.2018. 16.00 pm	PM $a_{3/16}$	PR5840/6+640	0,50	0,50	L. DEVDARIANI
2	9.10.2018. 16.10 pm	NOISE d_b	PR5840/6+640	41	55	L. DEVDARIANI
3	9.10.2018. 16.20 pm	vibration $a_{3/16}$	PR5840/6+640	0,0	0,74	L. DEVDARIANI
1	10.10.2018. 9.00am	PM $a_{3/16}$	PR5840/6+640	0,37	0,50	L. DEVDARIANI
2	10.10.2018. 9.10 am	NOISE d_b	PR5840/6+640	41	55	L. DEVDARIANI
3	10.10.2018. 9.15 am	vibration $a_{3/16}$	PR5840/6+640	0,00	0,50	L. DEVDARIANI
1	10.10.2018. 16.05 pm	PM $a_{3/16}$	PR5840/6+640	0,37	0,50	L. DEVDARIANI
2	10.10.2018. 16.10 pm	NOISE d_b	PR5840/6+640	41	55	L. DEVDARIANI
3	10.10.2018. 16.15 pm	vibration $a_{3/16}$	PR5840/6+640	0,0	0,74	L. DEVDARIANI
1	11.10.2018. 9.10 am	PM $a_{3/16}$	PR5840/6+640	0,39	0,50	L. DEVDARIANI
2	11.10.2018. 9.15 am	NOISE d_b	PR5840/6+640	47	55	L. DEVDARIANI
3	11.10.2018. 9.20 am	vibration $a_{3/16}$	PR5840/6+640	0,0	0,74	L. DEVDARIANI

Construction of The Modernization of Tbilisi-Rustavi section of the Tbilisi-Red Bridge (Azerbaijani Border) Road

No	თარიღი / დრო	პარამეტრი	ადგილმდებარეობა	მაჩვენებელი	ზღვ	შემოწმებული
1	11.10.2018. 16.00pm	pm 2/63	PR5+840/6+640	0,38	0,50	L.DEVDARIANI
2	11.10.2018. 16.10pm	Noise db	PR5+840/6+640	88	55	L.DEVDARIANI
3	11.10.2018. 16.15	vibration 2/63	PR5+840/6+640	0,0	0,74	L.DEVDARIANI
1	12.10.2018. 9.00am	pm 2/63	PR5+840/6+640	0,31	0,50	L.DEVDARIANI
2	12.10.2018. 9.10am	Noise db	PR5+840/6+640	41	55	L.DEVDARIANI
3	12.10.2018. 9.20am	vibration 2/63	PR5+840/6+640	0,0	0,74	L.DEVDARIANI
1	12.10.2018. 16.05pm	pm 2/63	PR5+840/6+640	0,41	0,50	L.DEVDARIANI
2	12.10.2018. 16.10pm	Noise db	PR5+840/6+640	43	55	L.DEVDARIANI
3	12.10.2018. 16.15pm	vibration 2/63	PR5+840/6+640	0,0	0,74	L.DEVDARIANI
1	13.10.2018. 9.05am	pm 2/63	PR5+840/6+640	0,42	0,50	L.DEVDARIANI
2	13.10.2018. 9.10am	Noise db	PR5+840/6+640	44	55	L.DEVDARIANI
3	13.10.2018. 9.20am	vibration 2/63	PR5+840/6+640	0,0	0,74	L.DEVDARIANI
1	13.10.2018. 16.10pm	pm 2/63	PR5+840/6+640	0,44	0,50	L.DEVDARIANI
2	13.10.2018. 16.15pm	Noise db	PR5+840/6+640	43	55	L.DEVDARIANI
3	13.10.2018. 16.20pm	vibration 2/63	PR5+840/6+640	0,0	0,74	L.DEVDARIANI
1	14.10.2018. 9.10am	pm 2/63	PR5+840/6+640	0,31	0,50	L.DEVDARIANI
2	14.10.2018. 9.20am	Noise db	PR5+840/6+640	49	55	L.DEVDARIANI
3	14.10.2018. 9.30am	vibration 2/63	PR5+840/6+640	0,0	0,74	L.DEVDARIANI
1	14.10.2018. 16.05pm	pm 2/63	PR5+840/6+640	0,43	0,50	L.DEVDARIANI
2	14.10.2018. 16.10pm	Noise db	PR5+840/6+640	31	55	L.DEVDARIANI
3	14.10.2018. 16.15pm	vibration 2/63	PR5+840/6+640	0,0	0,74	L.DEVDARIANI
1	15.10.2018. 9.00am	pm 2/63	PR5+840/6+640	0,43	0,50	L.DEVDARIANI
2	15.10.2018. 9.10am	Noise db	PR5+840/6+640	50	55	L.DEVDARIANI
3	15.10.2018. 9.20am	vibration 2/63	PR5+840/6+640	0,0	0,74	L.DEVDARIANI
1	15.10.2018. 16.10pm	pm 2/63	PR5+840/6+640	0,41	0,50	L.DEVDARIANI
2	15.10.2018. 16.20pm	Noise db	PR5+840/6+640	49	55	L.DEVDARIANI
3	15.10.2018. 16.30pm	vibration 2/63	PR5+840/6+640	0,0	0,74	L.DEVDARIANI
1	16.10.2018. 9.05am	pm 2/63	PR5+840/6+640	0,43	0,50	L.DEVDARIANI
2	16.10.2018. 9.10am	Noise db	PR5+840/6+640	49	55	L.DEVDARIANI
3	16.10.2018. 9.15am	vibration 2/63	PR5+840/6+640	0,0	0,74	L.DEVDARIANI



Construction of The Modernization of Tbilisi-Rustavi section of the Tbilisi-Red Bridge (Azerbaijani Border) Road





[illegible]

Construction of The Modernization of Tbilisi-Rustavi section of the Tbilisi-Red Bridge (Azerbaijani Border) Road

Annex 2

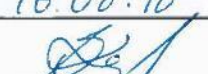


NCRs

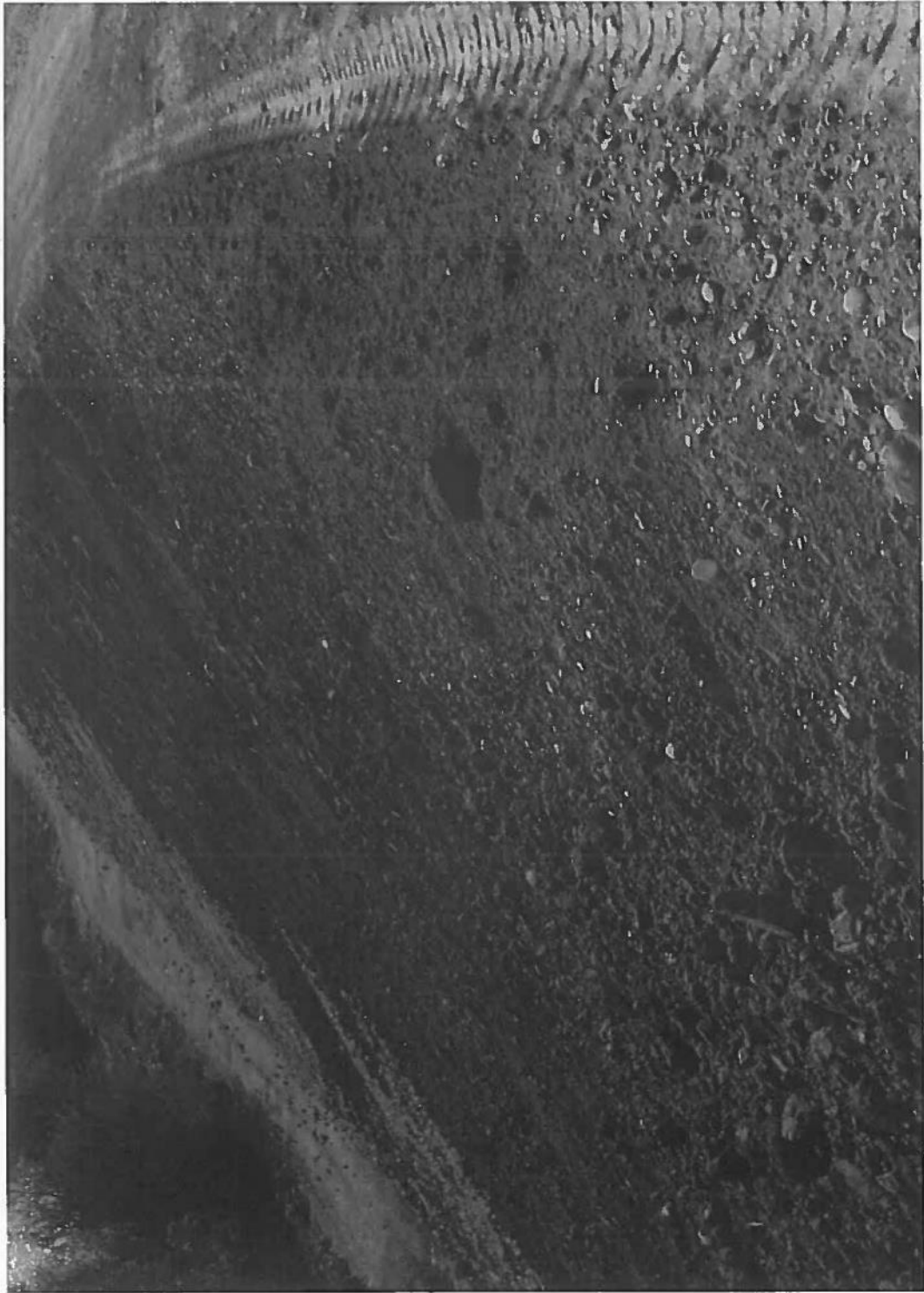
 DOHWA Engineering Co., Ltd.		NON-CONFORMANCE REPORT / შეუსაბამობის აქტი		 Roads Rehabilitation and Modernization Supervision Direction Ltd.	
NCR CODE / აქტის კოდი: NCR-044					
STEP 1 : IDENTIFICATION/გაბი 1: იდენტიფიკაცია	REQUESTING PARTY / მომთხოვნი მხარე				
	Company: / კომპანია Dohwa		Department: / დეპარტამენტი HSE specialist		
	Name: / სახელი Paata Chankotadze		Date: / თარიღი 09.08.2018		
	NON-CONFORMANCE / შეუსაბამობა				
	Works Concerned / Location / Section: / შეუსაბამო სამუშაოს მდებარეობა/მონაკვეთი		PK4.500		
	REQUIREMENT(S) / References: / მოთხოვნები/ მითითებები		EIA report, Item 8.1.4: Top soil should not be mixed with sub soil or other materials		
DESCRIPTION OF NON-CONFORMANCE: / შეუსაბამობის აღწერილობა		Slopes of the embankment were covered by top soil layer. The Contractor has covered top soil by gravel.			
POSSIBLE ROOT CAUSE: / შეუსაბამობის წარმოშობის შესაძლო მიზეზები.		<div style="display: flex; justify-content: space-between;"> <div> <input checked="" type="checkbox"/> Material / მასალა <input checked="" type="checkbox"/> Manpower / მუშახელი <input type="checkbox"/> Design / პროექტი <input checked="" type="checkbox"/> Method / მეთოდი <input type="checkbox"/> Process / პროცესი <input type="checkbox"/> Other / სხვა </div> </div>			



 DOHWA Engineering Co., Ltd.		NON-CONFORMANCE REPORT / შეუსაბამობის აქტი		 Roads Rehabilitation and Modernization Supervision Direction Ltd.	
NCR CODE / აქტის კოდი: NCR-044					
Attached Documents:/ მიბმული დოკუმენტაცია					
STEP 2: REMEDY/ ეტაპი 2 : გამოსწორების საშუალება	REMEDIAL WORKS PROPOSAL / CORRECTION: აღდგენითი/გამოსასწორებელი სამუშაოები:		Remove gravel from the slope		REPAIR/შეკეთება <input type="checkbox"/> DEMOLISH / REJECT/დემონტაჟი /უარყოფა <input type="checkbox"/> USE "AS IS"/ არსებულის დატოვება
	CLOSURE DATE:/დახურვის თარიღი				
	CORRECTIVE ACTION (to avoid recurrence):/ გამოსასწორებელი ქმედებები(განმეორების თავიდან ასაცილებლად):		Protect top soil from mixture with sub soil and gravel according EIA requirements		
	REVIEW by DESIGNER (if requires):დამპროექტებლის კომენტარი (საჭიროების შემთხვევაში):				
Name:/ სახელი	Paata Chankotadze	Position:/ პოზიცია	HSE specialist	Date:/ თარიღი	09.08.2018
				Signature:/ ხელმოწერა	




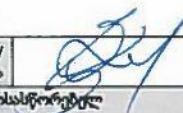
 DOHWA Engineering Co., Ltd.	NON-CONFORMANCE REPORT / შეუსაბამობის აქტი	 Roads Rehabilitation and Modernization Supervision Direction Ltd.
NCR CODE / აქტის კოდი: NCR-044		

CLIENT'S APPROVAL ON REMEDIAL WORKS / CORRECTION/დამკვეთის თანხმობა გამოსასწორებელ სამუშაოებზე/გამოსწორება			
Comments/კომენტარი			
Name: სახელი			
Date: /თარიღი		Signature: /ხელმოწერა	

STEP 3 : CLOSURE/ეტაპი სამი: დახურვა	RESPONSIBLE FOR THE CLOSURE OF NCR: შეუსაბამობის აქტის დახურვაზე პასუხისმგებელი:		COMPANY: /კომპანია SE-24	
			PERSON: /პირი L. Melia	
	VERIFICATION OF CLOSURE OF THIS NCR / INSPECTION/შეუსაბამობის აქტის დახურვის დამოწმება/ინსპექცია			
	Attachments/თანდართული დოკუმენტაცია	Subsoil has been removed from the slope		
		Site Inspector/ ზედამხედველი	The Contractor/ მშენებელი	The Engineer / ინჟინერი
	Comment s:/ კომენტარი	Approved	Necessary actions have been taken.	Closed
	Name: /სახელი	P. Chankotadze	A. Akbulut	S. H. Noun
	Date: /თარიღი	16.08.18	15.08.2018	2018.08.16
	Signature: /ხელმოწერა			


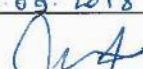



 DOHWA Engineering Co., Ltd.		NON-CONFORMANCE REPORT / შეუსაბამობის აქტი		 Roads Rehabilitation and Modernization Supervision Direction Ltd.	
NCR CODE / აქტის კოდი: NCR-045					
STEP 1 : IDENTIFICATION/ეტაპი 1: იდენტიფიკაცია	REQUESTING PARTY / მომთხოვნის მხარე				
	Company: / კომპანია Dohwa		Department: / დეპარტამენტი HSE specialist		
	Name: / სახელი Paata Chankotadze		Date: / თარიღი 04.09.2018		
	NON-CONFORMANCE / შეუსაბამობა				
	Works Concerned / Location / Section: / შეუსაბამო სამუშაოს მდებარეობა/ზონა/კვეთი PK6.3				
	REQUIREMENT(S) / References: / მოთხოვნები/ მოთხოვნები LSEMP: Item 5- Ensure proper technical maintenance of equipment				
DESCRIPTION OF NON-CONFORMANCE: / შეუსაბამობის აღწერილობა Oil is leaking from heavy equipment					
POSSIBLE ROOT CAUSE: / შეუსაბამობის წარმოშობის შესაძლო მიზეზები.		<input type="checkbox"/> Material / მასალა <input checked="" type="checkbox"/> Manpower / მუშახელი <input type="checkbox"/> Design / პროექტი <input checked="" type="checkbox"/> Method / მეთოდი <input type="checkbox"/> Process / პროცესი <input type="checkbox"/> Other / სხვა			

 DOHWA Engineering Co., Ltd.		NON-CONFORMANCE REPORT / შეუსაბამობის აქტი		 Roads Rehabilitation and Modernization Supervision Direction Ltd.	
NCR CODE / აქტის კოდი: NCR-045					
Attached Documents:/ მიბმული დოკუმენტაცია					
STEP 2: REMEDY/ ეტაპი 2 : გამოსწორების საშუალება	REMEDIAL WORKS PROPOSAL / CORRECTION: აღდგენითი/გამოსასწორებელი სამუშაოები:	Bring all equipment, working on site in condition, considered by LSEMP requirements		<input checked="" type="checkbox"/> REPAIR/შეკეთება <input type="checkbox"/> DEMOLISH / REJECT/დემონტაჟი /უარყოფა <input type="checkbox"/> USE "AS IS"/ არსებულის დატოვება	
	CLOSURE DATE:/დახურვის თარიღი				
	CORRECTIVE ACTION (to avoid recurrence):/ გამოსასწორებელი ქმედებები(განმეორების თავიდან ასაცილებლად):	Daily check condition of heavy equipment			
	REVIEW by DESIGNER (if requires): დამპროექტებლის კომენტარი (საჭიროების შემთხვევაში):				
Name:/ სახელი	Paata Chankotadze	Position:/ პოზიცია	HSE specialist	Date:/ თარიღი	04.09.2018
				Signature:/ ხელმოწერა	
CLIENT'S APPROVAL ON REMEDIAL WORKS / CORRECTION/დამკვეთის თანხმობა გამოსასწორებელ სამუშაოებზე/გამოსწორება					



 DOHWA DOHWA Engineering Co., Ltd.	NON-CONFORMANCE REPORT / შეუსაბამობის აქტი	 Roads Rehabilitation and Modernization Supervision Direction Ltd.
NCR CODE / აქტის კოდი: NCR-045		




Comments / კომენტარი			
Name: სახელი	Date: თარიღი	Signature: ხელმოწერა	

STEP 3 : CLOSURE/გება სამი: დახურვა	RESPONSIBLE FOR THE CLOSURE OF NCR: / შეუსაბამობის აქტის დახურვაზე პასუხისმგებელი:		COMPANY: / კომპანია	SEZA
	PERSON: / პირი		V. Melia	
	VERIFICATION OF CLOSURE OF THIS NCR / INSPECTION / შეუსაბამობის აქტის დახურვის დამოწმება/ინსპექცია			
	Attachments: / თანდართული დოკუმენტაცია	polluted soil has been removed from site and disposed to hazardous waste camp area		
	Site Inspector / ზედამხედველი	The Contractor / მშენებელი	The Engineer / ინჟინერი	
	Comments: / კომენტარი Name: / სახელი Date: / თარიღი Signature: / ხელმოწერა	Approved P. Chankotadze 11.09.18 	Necessary actions have been taken A. Akbulut 10.09.2018 	closed S.H. Moon 2018.09.11 





 DOHWA Engineering Co., Ltd.		NON-CONFORMANCE REPORT / შეუსაბამობის აქტი		 Roads Rehabilitation and Modernization Supervision Direction Ltd.	
NCR CODE / აქტის კოდი: NCR-046					
STEP 1 : IDENTIFICATION/ეტაპი 1: იდენტიფიკაცია	REQUESTING PARTY / მომთხოვნი მხარე				
	Company: / კომპანია Dohwa		Department: / დეპარტამენტი HSE specialist		
	Name: / სახელი Paata Chankotadze		Date: / თარიღი 04.09.2018		
	NON-CONFORMANCE / შეუსაბამობა				
	Works Concerned / Location / Section: / შეუსაბამო სამუშაოს მდებარეობა/ზონა/კვეთი		PK6.3		
	REQUIREMENT(S) / References: / მოთხოვნები/ მოთხოვნები		LSEMP: Item 5- Watering of roads used for transport operations during dry weather		
DESCRIPTION OF NON-CONFORMANCE: / შეუსაბამობის აღწერილობა		Local people are disturbed by dust, generating during transportation of spoil, excavated from the RoW			
POSSIBLE ROOT CAUSE: / შეუსაბამო ბის წარმოშობის შესაძლო მიზეზები.		<div style="display: flex; justify-content: flex-end;"> <div style="margin-right: 10px;"> <input type="checkbox"/> Material / მასალა <input checked="" type="checkbox"/> Manpower / მუშახელი <input type="checkbox"/> Design / პროექტი <input checked="" type="checkbox"/> Method / მეთოდი <input type="checkbox"/> Process / პროცესი <input type="checkbox"/> Other / სხვა </div> </div>			



 DOHWA Engineering Co., Ltd.		NON-CONFORMANCE REPORT / შეუსაბამობის აქტი		 Roads Rehabilitation and Modernization Supervision Direction Ltd.	
NCR CODE / აქტის კოდი: NCR-046					
STEP 2: REMEDY / ეტაპი 2: გამოსწორების საშუალება	Attached Documents: / მიხმული დოკუმენტაცია				
	REMEDIAL WORKS PROPOSAL / CORRECTION: აღდგენითი/გამოსასწორებელი სამუშაოები:		Spray water on access road during transportation of spoil		REPAIR/შეკეთება <input type="checkbox"/> DEMOLISH / REJECT/დემონტაჟი /უარყოფა
	CLOSURE DATE: /დახურვის თარიღი				<input type="checkbox"/> USE "AS IS" / არსებულის დატოვება
	CORRECTIVE ACTION (to avoid recurrence): / გამოსასწორებელი ქმედებები(განმეორების თავიდან ასაცილებლად):				
	REVIEW by DESIGNER (If requires): დამპროექტებლის კომენტარი (საჭიროების შემთხვევაში):				
Name: / სახელი	Paata Chankotadze	Position: / პოზიცია	HSE specialist	Date: / თარიღი	04.09.2018
CLIENT'S APPROVAL ON REMEDIAL WORKS / CORRECTION/დამკვეთის თანხმობა გამოსასწორებელ სამუშაოებზე/გამოსწორება					
Comments: /კომენტარი					



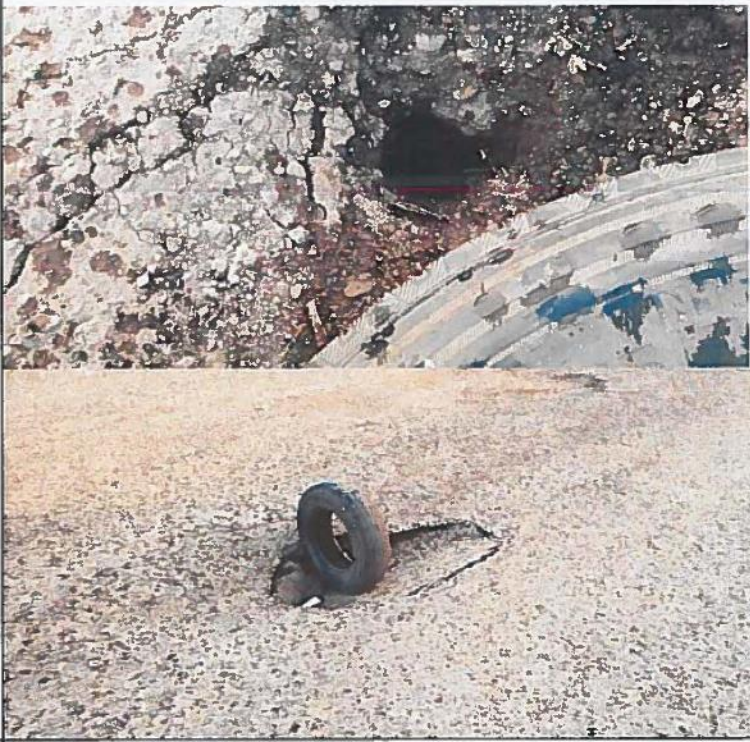
 DOHWA Engineering Co., Ltd.	NON-CONFORMANCE REPORT / შეუსაბამობის აქტი	 Roads Rehabilitation and Modernization Supervision Direction Ltd.
NCR CODE / აქტის კოდი: NCR-046		

Name: სახელი	Date: თარიღი	Signature: ხელმოწერა


STEP 3 : CLOSURE/გება სანი: დაბურვა	RESPONSIBLE FOR THE CLOSURE OF NCR: / შეუსაბამობის აქტის დაბურვაზე პასუხისმგებელი:	COMPANY: / კომპანია SEZA PERSON: / პირი V. Melia		
	VERIFICATION OF CLOSURE OF THIS NCR / INSPECTION / შეუსაბამობის აქტის დაბურვის დამოწმება/ინსპექცია			
	Attachments: / თანდართული დოკუმენტაცია	During dry periodical watering of dusty exes roads is carrying out.		
		Site Inspector / ზედამხედველი	The Contractor / მშენებელი	The Engineer / ინჟინერი
	Comment s: / კომენტარი	Approved P. Chankvadze Name: P. Chankvadze Date: 12.09.18 Signature: [Signature]	Necessary actions have been taken. A. Akhulst Date: 10.09.2018 Signature: [Signature]	Closed S.H. MOON Date: 2018. 9. 17 Signature: [Signature]

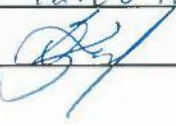

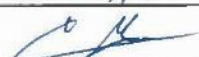


 DOHWA Engineering Co., Ltd.		NON-CONFORMANCE REPORT / შეუსაბამობის აქტი		 Roads Rehabilitation and Modernization Supervision Direction Ltd.	
NCR CODE / აქტის კოდი: NCR-047					
STEP 1 : IDENTIFICATION/ეტაპი 1: იდენტიფიკაცია	REQUESTING PARTY / მომთხოვნი მხარე				
	Company: / კომპანია Dohwa		Department: / დეპარტამენტი HSE specialist		
	Name: / სახელი Paata Chankotadze		Date: / თარიღი 05.09.2018		
	NON-CONFORMANCE / შეუსაბამობა				
	Works Concerned / Location / Section: / შეუსაბამო სამუშაოს მდებარეობა/შონაკვეთი PK6.3				
	REQUIREMENT(S) / References: / მოთხოვნები/ მითითებები LSEMP: Item 5- ·Maximum rehabilitation of road sections damaged in the construction process; ·In case of complaints, it shall be recorded and adequately responded.				
DESCRIPTION OF NON-CONFORMANCE: / შეუსაბამობის აღწერილობა Access road to PK6.3 was damaged during movement of heavy trucks; underground water pipe was damaged and water is washing soil under asphalt layer and leaking in to the underground workshop pit; There is potential hazard of damaging of underground power cable					
POSSIBLE ROOT CAUSE: / შეუსაბამობის წარმოშობის შესაძლო მიზეზები.					<input type="checkbox"/> Material / მასალა <input type="checkbox"/> Manpower / მუშახელი <input type="checkbox"/> Design / პროექტი <input checked="" type="checkbox"/> Method / მეთოდი <input type="checkbox"/> Process / პროცესი <input type="checkbox"/> Other / სხვა

 DOHWA DOHWA Engineering Co., Ltd.		NON-CONFORMANCE REPORT / შეუსაბამობის აქტი		 Roads Rehabilitation and Modernization Supervision Direction Ltd.	
NCR CODE / აქტის კოდი: NCR-047					
Attached Documents:/ მიბმული დოკუმენტაცია					
STEP 2: REMEDY/ ეტაპი 2 : გამოსწორების საშუალება	REMEDIAL WORKS PROPOSAL / CORRECTION: აღდგენითი/გამოსასწორებელი სამუშაოები:	Immediately repair damaged water pipe and bring access road to preconstruction condition		REPAIR/შეკეთება <input checked="" type="checkbox"/> DEMOLISH / REJECT/დემონტაჟი /უარყოფა	
	CLOSURE DATE: /დახურვის თარიღი			<input type="checkbox"/> USE "AS IS" / არსებულის დატოვება	
	CORRECTIVE ACTION (to avoid recurrence): / გამოსასწორებელი ქმედებები(განმეორების თავიდან ასაცილებლად):				



 DOHWA DOHWA Engineering Co., Ltd.	NON-CONFORMANCE REPORT / შეუსაბამობის აქტი	 Roads Rehabilitation and Modernization Supervision Direction Ltd.
NCR CODE / აქტის კოდი: NCR-047		





REVIEW by DESIGNER (if requires): დამპროექტებლის კომენტარი (საჭიროების შემთხვევაში):					
Name: / სახელი Paata Chankoladze Position: / პოზიცია HSE specialist Date: / თარიღი 05.09.2018 Signature: / ხელმოწერა 					
CLIENT'S APPROVAL ON REMEDIAL WORKS / CORRECTION / დამკვეთის თანხმობა გამოსასწორებელ სამუშაოებზე/გამოსწორება					
Comments: / კომენტარი					
Name: / სახელი		Date: / თარიღი		Signature: / ხელმოწერა	

STEP 3 : CLOSURE / ეტაპი სამი: დახურვა	RESPONSIBLE FOR THE CLOSURE OF NCR: შეუსაბამობის აქტის დახურვაზე პასუხისმგებელი:		COMPANY: / კომპანია SEZA	
			PERSON: / პირი V. Melidze	
	VERIFICATION OF CLOSURE OF THIS NCR / INSPECTION / შეუსაბამობის აქტის დახურვის დამოწმება/ინსპექცია			
	Attachments: / თანდართული დოკუმენტაცია	Water pipe has been repaired. Holes filled.		
		Site Inspector / ზედამხედველი	The Contractor / მშენებელი	The Engineer / ინჟინერი
Comments: / კომენტარი	Approved	Necessary actions have been taken.	closed	
Name: / სახელი P. Chankoladze	A. Akbulut	S.H. Nodon		
Date: / თარიღი 02.09.18	10.09.2018	2018.09.11		
Signature: / ხელმოწერა 				








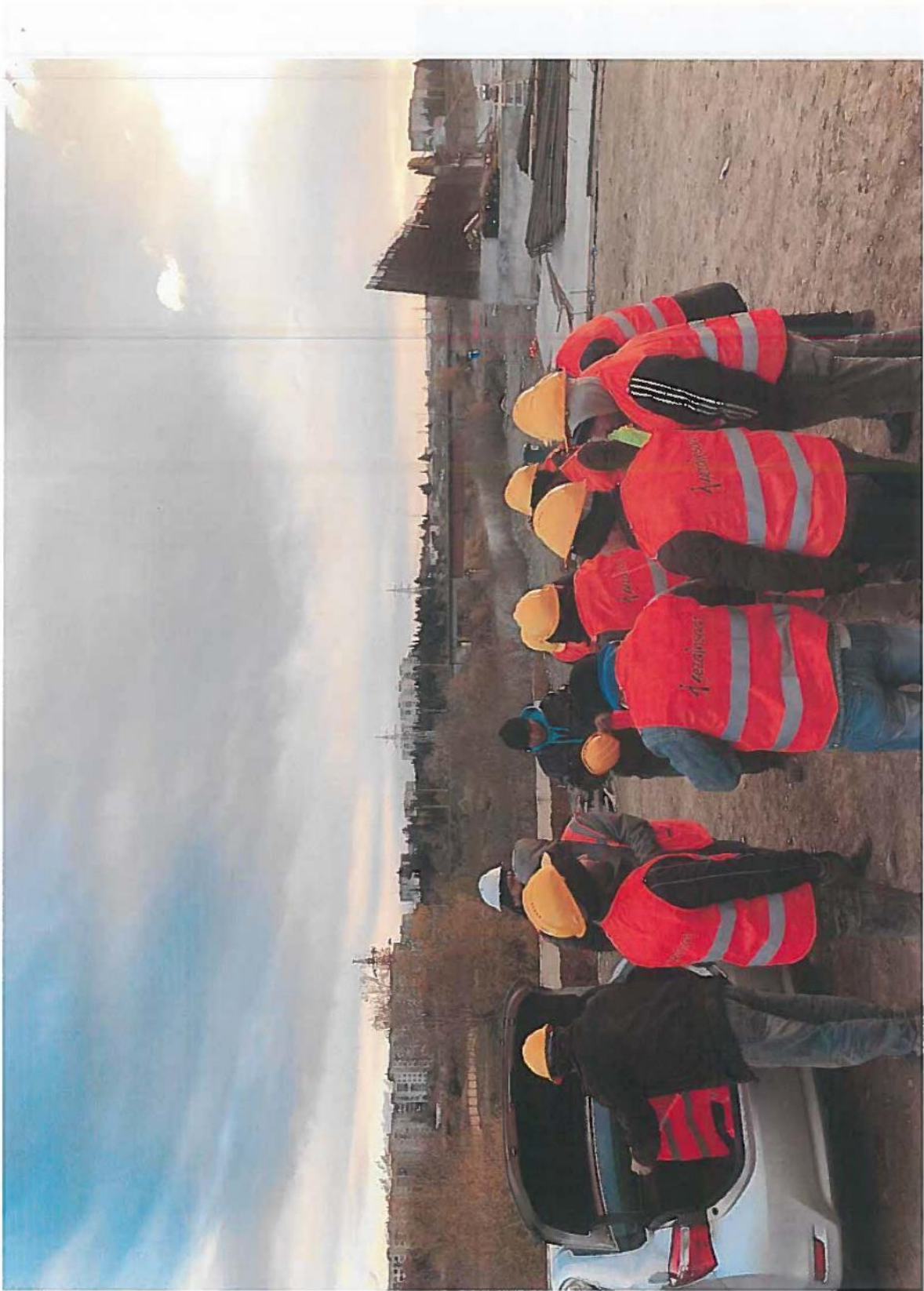
 DOHWA Engineering Co., Ltd.		NON-CONFORMANCE REPORT / შეუსაბამობის აქტი		 Roads Rehabilitation and Modernization Supervision Direction Ltd.	
NCR CODE / აქტის კოდი: NCR-048					
STEP 1 : IDENTIFICATION/ეტაპი 1: იდენტიფიკაცია	REQUESTING PARTY / მომთხოვნის მხარე				
	Company: / კომპანია Dohwa		Department: / დეპარტამენტი HSE specialist		
	Name: / სახელი Paata Chankotadze		Date: / თარიღი 04.09.2018		
	NON-CONFORMANCE / შეუსაბამობა				
	Works Concerned / Location / Section: / შეუსაბამო სამუშაოს მდებარეობა/შონაკვეთი PK4.5				
	REQUIREMENT(S) / References: / მოთხოვნები/ მითითებები HS plan All workers and visitors should wear PPE on construction sites				
DESCRIPTION OF NON-CONFORMANCE: / შეუსაბამობის აღწერილობა Not one of the workers and foremen was not wearing a helmets on site					
POSSIBLE ROOT CAUSE: / შეუსაბამოის წარმოშობის შესაძლო მიზეზები.		<input type="checkbox"/> Material / მასალა <input type="checkbox"/> Manpower / მუშახელი <input type="checkbox"/> Design / პროექტი <input checked="" type="checkbox"/> Method / მეთოდი <input type="checkbox"/> Process / პროცესი <input type="checkbox"/> Other / სხვა			

 DOHWA Engineering Co., Ltd.		NON-CONFORMANCE REPORT / შეუსაბამობის აქტი		 Roads Rehabilitation and Modernization Supervision Direction Ltd.		
NCR CODE / აქტის კოდი: NCR-048						
STEP 2: REMEDY / ეტაპი 2 : გამოსწორების საშუალება	Attached Documents: / მიბმული დოკუმენტაცია					
	REMEDIAL WORKS PROPOSAL / CORRECTION: აღდგენითი/გამოსასწორებელი სამუშაოები:		Provide relevant PPE for all workers and foremen		REPAIR/შეკეთება <input type="checkbox"/> DEMOLISH / REJECT/დემონტაჟი /უარყოფა	
	CLOSURE DATE: /დახურვის თარიღი				<input type="checkbox"/> USE "AS IS"/ არსებულის დატოვება	
	CORRECTIVE ACTION (to avoid recurrence): / გამოსასწორებელი ღონისძიებები (განმეორების თავიდან ასაცილებლად):		Conduct additional HS training for personnel			
	REVIEW by DESIGNER (if requires): დამპროექტებლის კომენტარი (საჭიროების შემთხვევაში):					
Name: / სახელი Paata Chankotadze		Position: / პოზიცია HSE specialist		Date: / თარიღი 04.09.2018	Signature: / ხელმოწერა 	
CLIENT'S APPROVAL ON REMEDIAL WORKS / CORRECTION/დამკვეთის თანხმობა გამოსასწორებელ სამუშაოებზე/გამოსწორება						
Comments: /კომენტარი						

 DOHWA DOHWA Engineering Co., Ltd.	NON-CONFORMANCE REPORT / შეუსაბამობის აქტი	 Roads Rehabilitation and Modernization Supervision Direction Ltd.
NCR CODE / აქტის კოდი: NCR-048		





Name: სახელი	Date: თარიღი	Signature: ხელმოწერა

STEP 3 : CLOSURE/ეცაპი სამი: დახურვა	RESPONSIBLE FOR THE CLOSURE OF NCR: / შეუსაბამობის აქტის დახურვაზე პასუხისმგებელი:		COMPANY: / კომპანია	SEZA
			PERSON: / პირი	V. Melia
	VERIFICATION OF CLOSURE OF THIS NCR / INSPECTION / შეუსაბამობის აქტის დახურვის დამოწმება/ინსპექცია			
	Attachments: / თანდართული დოკუმენტაცია	all personnel got verbal warnings. PPE has been provided		
		Site Inspector / ზედამხედველი	The Contractor / მშენებელი	The Engineer / ინჟინერი
	Comment s: / კომენტარი	Approved	Necessary actions have been taken	Closed
Name: / სახელი	P. Chankodadze	A. Akbulut	S.H. Moun	
Date: / თარიღი	09.09.18	10.9.2018	2018.9.17	
Signature: / ხელმოწერა				



 DOHWA Engineering Co., Ltd.	NON-CONFORMANCE REPORT / შეუსაბამობის აქტი	 Roads Rehabilitation and Modernization Supervision Direction Ltd.
NCR CODE / აქტის კოდი: NCR-049		

STEP 1 : IDENTIFICATION/ეტაპი 1: იდენტიფიკაცია	REQUESTING PARTY / მომთხოვნის მხარე		
	Company: / კომპანია Dohwa	Department: / დეპარტამენტი HSE specialist	
	Name: / სახელი Paata Chankotadze	Date: / თარიღი 05 09 2018	
	NON-CONFORMANCE / შეუსაბამობა		
	Works Concerned / Location / Section: / შეუსაბამო სამუშაოს მდებარეობა/მონაკვეთი PK4.5		
	REQUIREMENT(S) / References: / მოთხოვნები/ მითითებები	SEMP, Pollution prevention management plan Polluted tools and hazardous materials should be disposed in drip trays	
	DESCRIPTION OF NON-CONFORMANCE: / შეუსაბამობის აღწერილობა	Lubricants and polluted tools are disposed directly on ground	
	POSSIBLE ROOT CAUSE: / შეუსაბამობის წარმოშობის შესაძლო მიზეზები.	<div style="display: flex; justify-content: space-between;"> <div> <input type="checkbox"/> Material / მასალა <input type="checkbox"/> Manpower / მუშახელი <input type="checkbox"/> Design / პროექტი <input checked="" type="checkbox"/> Method / მეთოდი <input type="checkbox"/> Process / პროცესი <input type="checkbox"/> Other / სხვა </div> </div>	

 DOHWA DOHWA Engineering Co., Ltd.		NON-CONFORMANCE REPORT / შეუსაბამობის აქტი		 Roads Rehabilitation and Modernization Supervision Direction Ltd.	
NCR CODE / აქტის კოდი: NCR-049					
Attached Documents: / მიხმული დოკუმენტაცია					
REMEDIAL WORKS PROPOSAL / CORRECTION: აღდგენითი/გამოსასწორებელი სამუშაოები:		Dispose all polluted tools and hazardous materials in drip trays		REPAIR/შეკეთება <input type="checkbox"/> DEMOLISH / REJECT/დემონტაჟი /უარყოფა <input type="checkbox"/> USE "AS IS"/ არსებულის დატოვება	
CLOSURE DATE: /დახურვის თარიღი					
CORRECTIVE ACTION (to avoid recurrence): გამოსასწორებელი ქმედებები(განმეორების თავიდან ასაცილებლად):		Conduct additional pollution prevention training for personnel			
REVIEW by DESIGNER (if requires): დამპროექტებლის კომენტარი (საჭიროების შემთხვევაში):					
Name: / სახელი Paata Chankotadze Position: / პოზიცია HSE specialist Date: / თარიღი 05.09.2018 Signature: / ხელმოწერა 					

 DOHWA Engineering Co., Ltd.	NON-CONFORMANCE REPORT / შეუსაბამობის აქტი	 Roads Rehabilitation and Modernization Supervision Direction Ltd.
NCR CODE / აქტის კოდი: NCR-049		

CLIENT'S APPROVAL ON REMEDIAL WORKS / CORRECTION/დამკვეთის თანხმობა გამოსასწორებელ სამუშაოებზე/გამოსწორება Comments /კომენტარი			
Name: / სახელი _____ Date: / თარიღი _____ Signature: / ხელმოწერა _____			

STEP 3 : CLOSURE/გება საბოლოო: დახურვა	RESPONSIBLE FOR THE CLOSURE OF NCR: / შეუსაბამობის აქტის დახურვაზე პასუხისმგებელი:		COMPANY: / კომპანია SEZA	
			PERSON: / პირი V. Melia	
	VERIFICATION OF CLOSURE OF THIS NCR / INSPECTION/ შეუსაბამობის აქტის დახურვის დამოწმება/ინსპექცია			
	Attachments: / თანდართული დოკუმენტაცია	all polluted soils has been removed from the site and disposed to hazardous waste area at the Camp.		
		Site Inspector/ ზედამხედველი	The Contractor/ მშენებელი	The Engineer / ინჟინერი
	Comments: / კომენტარი Name: / სახელი Date: / თარიღი Signature: / ხელმოწერა	Approved P. Chankotadze 12.09.18	Necessary actions have been taken. A. Akbulut 10.09.2018	Closed S. H. MUSA 2018.9.17



 DOHWA Engineering Co., Ltd.	NON-CONFORMANCE REPORT / შეუსაბამობის აქტი	 Roads Rehabilitation and Modernization Supervision Direction Ltd.
NCR CODE / აქტის კოდი: NCR-051		



STEP 1 : IDENTIFICATION/ეტაპი 1: იდენტიფიკაცია	REQUESTING PARTY / მომთხოვნი მხარე		
	Company: / კომპანია Dohwa	Department: / დეპარტამენტი HSE specialist	
	Name: / სახელი Paata Chankoladze	Date: / თარიღი 18.09.2018	
	NON-CONFORMANCE / შეუსაბამობა		
	Works Concerned / Location / Section: / შეუსაბამო სამუშაოს მდებარეობა/ზონა/კვეთი PK63		
	REQUIREMENT(S) / References: / მოთხოვნები/ მითითებები	SEMP, Pollution prevention management plan Diesel generators should be disposed in drip trays	
	DESCRIPTION OF NON-CONFORMANCE: / შეუსაბამობის აღწერილობა	All diesel generators are disposed directly on ground, without drip trays	
	POSSIBLE ROOT CAUSE: / შეუსაბამობის წარმოშობის შესაძლო მიზეზები.	<div style="display: flex; justify-content: space-between;"> <div> <input type="checkbox"/> Material / მასალა <input type="checkbox"/> Manpower / მუშახელი <input type="checkbox"/> Design / პროექტი </div> <div> <input checked="" type="checkbox"/> Method / მეთოდი <input type="checkbox"/> Process / პროცესი <input type="checkbox"/> Other / სხვა </div> </div>	

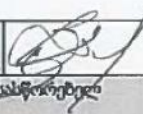
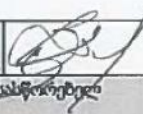
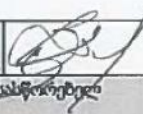
Received By
 Huseyin GURER

NCR CODE / აქტის კოდი: NCR-051

Attached
Documents:
მიმზღული
დოკუმენტაცია

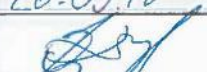
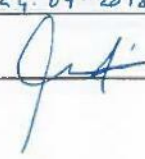
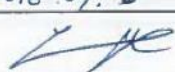


 DOHWA DOHWA Engineering Co., Ltd.	NON-CONFORMANCE REPORT / შეუსაბამობის აქტი	 Roads Rehabilitation and Modernization Supervision Direction Ltd.
NCR CODE / აქტის კოდი: NCR-051		

STEP 2 : REMEDY / ეტაპი 2 : გამოსწორების საშუალება	REMEDIAL WORKS PROPOSAL / CORRECTION: აღდგენითი/გამოსასწორებელი სამუშაოები:	Dispose all diesel generators in drip trays	REPAIR/შეკეთება <input type="checkbox"/> DEMOLISH / REJECT/დემონტაჟი/უარყოფა <input type="checkbox"/> USE "AS IS"/არსებულის დატოვება								
	CLOSURE DATE:/დახურვის თარიღი										
	CORRECTIVE ACTION (to avoid recurrence):/გამოსასწორებელი ქმედებები(განმეორების თავიდან ასაცილებლად):	Conduct additional pollution prevention training for personnel									
REVIEW by DESIGNER (If requires): დამპროექტებლის კომენტარი (საჭიროების შემთხვევაში):											
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%;">Name:/სახელი</td> <td style="width: 20%;">Paata Chankotadze</td> <td style="width: 15%;">Position:/პოზიცია</td> <td style="width: 15%;">HSE specialist</td> <td style="width: 15%;">Date:/თარიღი</td> <td style="width: 15%;">18.09.2018</td> <td style="width: 15%;">Signature:/ხელმოწერა</td> <td style="width: 10%;"></td> </tr> </table>				Name:/სახელი	Paata Chankotadze	Position:/პოზიცია	HSE specialist	Date:/თარიღი	18.09.2018	Signature:/ხელმოწერა	
Name:/სახელი	Paata Chankotadze	Position:/პოზიცია	HSE specialist	Date:/თარიღი	18.09.2018	Signature:/ხელმოწერა					
CLIENT'S APPROVAL ON REMEDIAL WORKS / CORRECTION/დამკვეთის თანხმობა გამოსასწორებელი სამუშაოებზე/გამოსწორება											
Comments:/კომენტარი											
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 45%;">Name:/სახელი</td> <td style="width: 15%;">Date:/თარიღი</td> <td style="width: 40%;">Signature:/ხელმოწერა</td> </tr> </table>				Name:/სახელი	Date:/თარიღი	Signature:/ხელმოწერა					
Name:/სახელი	Date:/თარიღი	Signature:/ხელმოწერა									

STEP 3 : CLOSURE/ეტაპი 3 : დახურვა	RESPONSIBLE FOR THE CLOSURE OF NCR:/შეუსაბამობის აქტის დახურვაზე პასუხისმგებელი:	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">COMPANY:/კომპანია</td> <td style="width: 50%;">SEZA</td> </tr> <tr> <td>PERSON:/პირი</td> <td>V. Melia</td> </tr> </table>	COMPANY:/კომპანია	SEZA	PERSON:/პირი	V. Melia
COMPANY:/კომპანია	SEZA					
PERSON:/პირი	V. Melia					
VERIFICATION OF CLOSURE OF THIS NCR / INSPECTION/შეუსაბამობის აქტის დახურვის დამოწმება/ინსპექცია						
Attachments/თანდართული დოკუმენტაცია	Generators disposed to camp area. Training conducted.					

 DOHWA DOHWA Engineering Co., Ltd.	NON-CONFORMANCE REPORT / შეუსაბამობის აქტი	 Roads Rehabilitation and Modernization Supervision Direction Ltd.
NCR CODE / აქტის კოდი: NCR-051		



	Site Inspector/ ზედამხედველი	The Contractor/ მშენებელი	The Engineer / ინჟინერი
Comments: კომენტარი	Approved	Necessary actions have been taken.	Closed
Name: /სახელი	P. Chankvadze	A. Akbulat	S. H. Moon
Date: /თარიღი	26-09-18	24.09.2018	2018.09.28
Signature: /ხელმოწერა			



 DOHWA Engineering Co., Ltd.	NON-CONFORMANCE REPORT / შეუსაბამობის აქტი	 Roads Rehabilitation and Modernization Supervision Direction Ltd.
NCR CODE / აქტის კოდი: NCR-052		

STEP 1 : IDENTIFICATION/ეტაპი 1: იდენტიფიკაცია	REQUESTING PARTY / მომთხოვნის მხარე			
	Company: / კომპანია	Dohwa	Department: / დეპარტამენტი	HSE specialist
	Name: / სახელი	Paata Chankotadze	Date: / თარიღი	24.09.2018
	NON-CONFORMANCE / შეუსაბამობა			
	Works Concerned / Location / Section: / შეუსაბამო სამუშაოს მდებარეობა/მონაკვეთი	PK63		
	REQUIREMENT(S) / References: / მოთხოვნები/ მითითებები	SEMP, Pollution prevention management plan Diesel generators should be disposed in drip trays		
	DESCRIPTION OF NON-CONFORMANCE: / შეუსაბამობის აღწერილობა	Leaking diesel generator is disposed directly on ground, without drip trays, in the vicinity of riv. Mtkvari		
	POSSIBLE ROOT CAUSE: / შეუსაბამობის წარმოშობის შესაძლო მიზეზები.	<input type="checkbox"/> Material / მასალა <input type="checkbox"/> Manpower / მუშახელი <input type="checkbox"/> Design / პროექტი <input checked="" type="checkbox"/> Method / მეთოდი <input type="checkbox"/> Process / პროცესი <input type="checkbox"/> Other / სხვა		


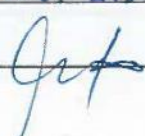

Received By
Huseyn GUSEK

 DOHWA Engineering Co., Ltd.	NON-CONFORMANCE REPORT / შეუსაბამობის აქტი	 Roads Rehabilitation and Modernization Supervision Direction Ltd.
NCR CODE / აქტის კოდი: NCR-052		

STEP 2: REMEDY / ეტაპი 2: გამოსწორების საშუალება	REMEDIAL WORKS PROPOSAL / CORRECTION: აღდგენითი/გამოსასწორებელი სამუშაოები:	Dispose all diesel generators in drip trays	REPAIR/შეკეთება <input type="checkbox"/> DEMOLISH / REJECT/დემონტაჟი/უარყოფა <input type="checkbox"/> USE "AS IS"/არსებულის დატოვება								
	CLOSURE DATE:/დახურვის თარიღი										
	CORRECTIVE ACTION (to avoid recurrence):/გამოსასწორებელი ქმედებები(განმეორების თავიდან ასაცილებლად):	Conduct additional pollution prevention training for personnel									
REVIEW by DESIGNER (if requires): დამპროექტებლის კომენტარი (საჭიროების შემთხვევაში):											
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%;">Name:/სახელი</td> <td style="width: 20%;">Paata Chankotadze</td> <td style="width: 15%;">Position:/პოზიცია</td> <td style="width: 15%;">HSE specialist</td> <td style="width: 15%;">Date:/თარიღი</td> <td style="width: 15%;">24.09.2018</td> <td style="width: 20%;">Signature:/ხელმოწერა</td> <td style="width: 10%;"></td> </tr> </table>				Name:/სახელი	Paata Chankotadze	Position:/პოზიცია	HSE specialist	Date:/თარიღი	24.09.2018	Signature:/ხელმოწერა	
Name:/სახელი	Paata Chankotadze	Position:/პოზიცია	HSE specialist	Date:/თარიღი	24.09.2018	Signature:/ხელმოწერა					
CLIENT'S APPROVAL ON REMEDIAL WORKS / CORRECTION/დამკვეთის თანხმობა გამოსასწორებელი სამუშაოებზე/გამოსწორება											
Comments:/კომენტარი											
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 45%;">Name:/სახელი</td> <td style="width: 25%;">Date:/თარიღი</td> <td style="width: 30%;">Signature:/ხელმოწერა</td> </tr> </table>				Name:/სახელი	Date:/თარიღი	Signature:/ხელმოწერა					
Name:/სახელი	Date:/თარიღი	Signature:/ხელმოწერა									

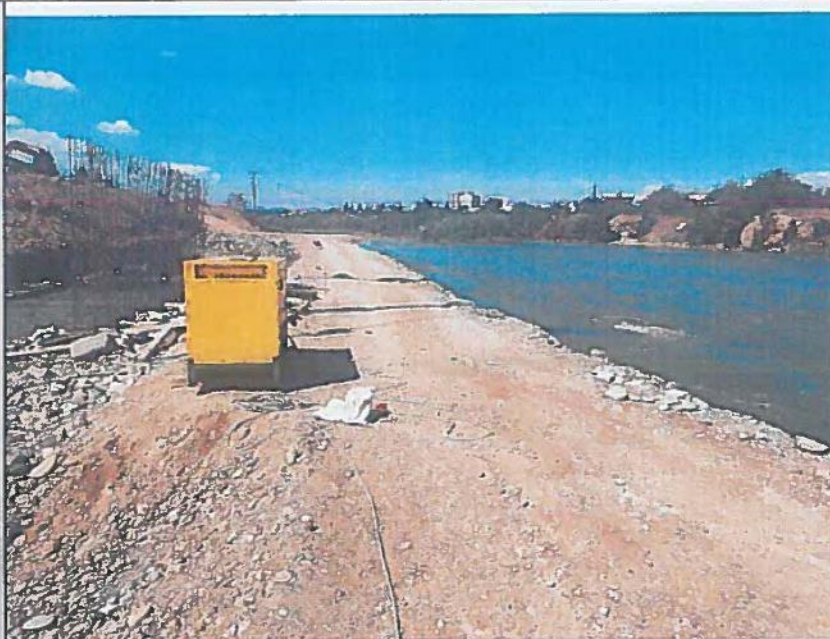
STEP 3 : CLOSURE/ეტაპი 3: დახურვა	RESPONSIBLE FOR THE CLOSURE OF NCR:/შეუსაბამობის აქტის დახურვაზე პასუხისმგებელი:	COMPANY:/კომპანია PERSON:/პირი
	VERIFICATION OF CLOSURE OF THIS NCR / INSPECTION/შეუსაბამობის აქტის დახურვის დამოწმება/ინსპექცია	
Attachments:/თანდართული დოკუმენტაცია	Generators disposed to Camp area	



 DOHWA DOHWA Engineering Co., Ltd.	NON-CONFORMANCE REPORT / შეუსაბამობის აქტი	 Roads Rehabilitation and Modernization Supervision Direction Ltd.
NCR CODE / აქტის კოდი: NCR-052		

	Site Inspector/ ზედამხედველი	The Contractor/ მშენებელი	The Engineer / ინჟინერი
Comment s:/ კომენტარი	Approved	Necessary actions have been taken.	Closed
Name: /სახელი	P. Chankotadze	AAKELI	S.H. MOON
Date: /თარიღი	30.09.18	28.09.2018	2018.09.28
Signature: /ხელმოწერა			

NCR CODE / აქტის კოდი: NCR-052

Attached
Documents: /
მიხმული
დოკუმენტაცია





 DOHWA Engineering Co., Ltd.		NON-CONFORMANCE REPORT / შეუსაბამობის აქტი		 Roads Rehabilitation and Modernization Supervision Direction Ltd.	
NCR CODE / აქტის კოდი: NCR-053					
STEP 1 : IDENTIFICATION/ეტაპი 1: იდენტიფიკაცია	REQUESTING PARTY / მომთხოვნი მხარე				
	Company: / კომპანია Dohwa		Department: / დეპარტამენტი HSE specialist		
	Name: / სახელი Paata Chankotadze		Date: / თარიღი 24.09.2018		
	NON-CONFORMANCE / შეუსაბამობა				
	Works Concerned / Location / Section: / შეუსაბამო სამუშაოს მდებარეობა/მოწაკვეთი PK63				
	REQUIREMENT(S) / References: / მოთხოვნები/ მითითებები		SEMP, Pollution prevention management plan Containers with hazardous materials should be disposed in drip trays		
DESCRIPTION OF NON-CONFORMANCE: / შეუსაბამობის აღწერილობა		Containers with hazardous materials and polluted tools are disposed on ground, without drip trays, in the vicinity of riv. Mtkvari			
POSSIBLE ROOT CAUSE: / შეუსაბამობის წარმოშობის შესაძლო მიზეზები.		<div style="display: flex; justify-content: space-between;"> <div> <input type="checkbox"/> Material / მასალა <input type="checkbox"/> Manpower / მუშახელი <input type="checkbox"/> Design / პროექტი <input checked="" type="checkbox"/> Method / მეთოდი <input type="checkbox"/> Process / პროცესი <input type="checkbox"/> Other / სხვა </div> </div>			

Received By
 Huseyn ALAEC

NCR CODE / აქტის კოდი: NCR-053

Attached
Documents:
მიმზღული
დოკუმენტაცია






 DOHWA DOHWA Engineering Co., Ltd.	NON-CONFORMANCE REPORT / შეუსაბამობის აქტი	 Roads Rehabilitation and Modernization Supervision Direction Ltd.
NCR CODE / აქტის კოდი: NCR-053		

STEP 2: REMEDY / ეტაპი 2 : გამოსწორების საშუალება	REMEDIAL WORKS PROPOSAL / CORRECTION: აღდგენითი/გამოსასწორებელი სამუშაოები:	Dispose all polluted tools and containers with hazardous materials in drip trays	<input checked="" type="checkbox"/> REPAIR/შეკეთება <input type="checkbox"/> DEMOLISH / REJECT/დემონტაჟი /გარყვანა <input type="checkbox"/> USE "AS IS" / არსებულის დატოვება								
	CLOSURE DATE:/დახურვის თარიღი										
	CORRECTIVE ACTION (to avoid recurrence):/ გამოსასწორებელი ქმედებები(განმეორების თავიდან ასაცილებლად):	Conduct additional pollution prevention training for personnel									
REVIEW by DESIGNER (if requires): დამპროექტებლის კომენტარი (საჭიროების შემთხვევაში):											
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%;">Name:/სახელი</td> <td style="width: 20%;">Paata Chankotadze</td> <td style="width: 15%;">Position:/პოზიცია</td> <td style="width: 15%;">HSE specialist</td> <td style="width: 15%;">Date:/თარიღი</td> <td style="width: 15%;">24.09.2018</td> <td style="width: 20%;">Signature:/ხელმოწერა</td> <td style="width: 10%;"></td> </tr> </table>				Name:/სახელი	Paata Chankotadze	Position:/პოზიცია	HSE specialist	Date:/თარიღი	24.09.2018	Signature:/ხელმოწერა	
Name:/სახელი	Paata Chankotadze	Position:/პოზიცია	HSE specialist	Date:/თარიღი	24.09.2018	Signature:/ხელმოწერა					
CLIENT'S APPROVAL ON REMEDIAL WORKS / CORRECTION/დამკვეთის თანხმობა გამოსასწორებელ სამუშაოებზე/გამოსწორება Comments:/კომენტარი											
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Name:/სახელი</td> <td style="width: 30%;">Date:/თარიღი</td> <td style="width: 20%;">Signature:/ხელმოწერა</td> </tr> </table>				Name:/სახელი	Date:/თარიღი	Signature:/ხელმოწერა					
Name:/სახელი	Date:/თარიღი	Signature:/ხელმოწერა									

STEP 3 : CLOSURE/ეტაპი 3: დახურვა	RESPONSIBLE FOR THE CLOSURE OF NCR:/შეუსაბამობის აქტის დახურვაზე პასუხისმგებელი:	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">COMPANY:/კომპანია</td> <td style="width: 50%;">SE 2A</td> </tr> <tr> <td>PERSON:/პირი</td> <td>V. Melia</td> </tr> </table>	COMPANY:/კომპანია	SE 2A	PERSON:/პირი	V. Melia
COMPANY:/კომპანია	SE 2A					
PERSON:/პირი	V. Melia					
VERIFICATION OF CLOSURE OF THIS NCR / INSPECTION/შეუსაბამობის აქტის დახურვის დამოწმება/ინსპექცია						
Attachments:/თანდართული დოკუმენტაცია	all polluted tools has been disposed to hazardous waste camp area.					



 DOHWA DOHWA Engineering Co., Ltd.	NON-CONFORMANCE REPORT / შეუსაბამობის აქტი	 Roads Rehabilitation and Modernization Supervision Direction Ltd.
NCR CODE / აქტის კოდი: NCR-053		




	Site Inspector/ ზედამხედველი	The Contractor/ მშენებელი	The Engineer / ინჟინერი
Comments: კომენტარი	P. Chankobadze	necessary actions have been taken	closed
Name: /სახელი	Approved	A Akbulut	S. H. Miron
Date: /თარიღი	30.09.2018	28.09.2018	2018.10.28
Signature: /ხელმოწერა			






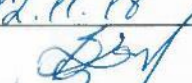
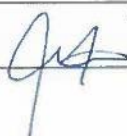
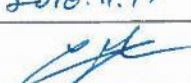


 DOHWA Engineering Co., Ltd.		NON-CONFORMANCE REPORT / შეუსაბამობის აქტი		 Roads Rehabilitation and Modernization Supervision Direction Ltd	
NCR CODE / აქტის კოდი: NCR-057					
STEP 1 : IDENTIFICATION/გაბი 1: იდენტიფიკაცია	REQUESTING PARTY / მოთხოვნი მხარე				
	Company: / კომპანია Dohwa		Department: / დეპარტამენტი HSE specialist		
	Name: / სახელი Paata Chankotadze		Date: / თარიღი 31.10.2018		
	NON-CONFORMANCE / შეუსაბამობა				
	Works Concerned / Location / Section: / შეუსაბამო სამუშაოს მდებარეობა/მონაკვეთი PK45				
	REQUIREMENT(S) / References: / მოთხოვნები/ მითითებები HS plan All personnel and visitors should wear PPE on site ✓				
DESCRIPTION OF NON-CONFORMANCE / შეუსაბამობის აღწერილობა No one from workers and visitors did not equipped with relevant PPE on site					
POSSIBLE ROOT CAUSE: / შეუსაბამობის წარმოშობის შესაძლო მიზეზები.		<div style="display: flex; flex-direction: column; align-items: flex-end;"> <div style="display: flex; align-items: center; margin-bottom: 5px;"> <input type="checkbox"/> Material / მასალა </div> <div style="display: flex; align-items: center; margin-bottom: 5px;"> <input type="checkbox"/> Manpower / მუშახელი </div> <div style="display: flex; align-items: center; margin-bottom: 5px;"> <input type="checkbox"/> Design / პროექტი </div> <div style="display: flex; align-items: center; margin-bottom: 5px;"> <input checked="" type="checkbox"/> Method / მეთოდი </div> <div style="display: flex; align-items: center; margin-bottom: 5px;"> <input type="checkbox"/> Process / პროცესი </div> <div style="display: flex; align-items: center;"> <input type="checkbox"/> Other / სხვა </div> </div>			

 DOHWA DOHWA Engineering Co., Ltd.		NON-CONFORMANCE REPORT / შეუსაბამობის აქტი		 Roads Rehabilitation and Modernization Supervision Direction Ltd.	
NCR CODE / აქტის კოდი: NCR-057					
Attached Documents / მიბმული დოკუმენტაცია					
REMEDIAL WORKS PROPOSAL / CORRECTION: აღდგენითი/გამოსასწორებელი სამუშაოები:		Provide relevant PPE for all workers and visitors		REPAIR/შეკეთება <input type="checkbox"/> DEMOLISH / REJECT/დემონტაჟი /უარყოფა <input type="checkbox"/> USE "AS IS"/ არსებულის დატოვება	
CLOSURE DATE:/დახურვის თარიღი					
CORRECTIVE ACTION (to avoid recurrence):/ გამოსასწორებელი ემედეგები(განმეორების თავიდან ასაცილებლად):		Conduct additional HS training for personnel			

 DOHWA Engineering Co., Ltd.	NON-CONFORMANCE REPORT / შეუსაბამობის აქტი	 Roads Rehabilitation and Modernization Supervision Direction Ltd.
NCR CODE / აქტის კოდი: NCR-057		

REVIEW by DESIGNER (if requires): დამპროექტებლის კომენტარი (საჭიროების შემთხვევაში):						
Name/ სახელი: Paata Chankotadze Position/ პოზიცია: HSE specialist Date/ თარიღი: 31.10.2018 Signature/ ხელმოწერა: 						
CLIENT'S APPROVAL ON REMEDIAL WORKS / CORRECTION/ დამკვეთის თანხმობა გამოსასწორებელ სამუშაოებზე/გამოსწორება						
Comments/კომენტარი:						
Name/ სახელი:		Date/ თარიღი:		Signature/ ხელმოწერა:		

STEP 3 : CLOSURE/გაბა საბი: დახურვა	RESPONSIBLE FOR THE CLOSURE OF NCR/შეუსაბამობის აქტის დახურვაზე პასუხისმგებელი:		COMPANY: /კომპანია:	
			PERSON: /პირი:	
	VERIFICATION OF CLOSURE OF THIS NCR / INSPECTION/შეუსაბამობის აქტის დახურვის დამოწმება/ინსპექცია			
	Attachments/თანდართული დოკუმენტები:	Additional training has been conducted. Observed personnel warned with written warnings. PPE provided		
		Site Inspector/ ზედამხედველი	The Contractor/ მშენებელი	The Engineer / ინჟინერი
	Comment Comment/კომენტარი:	Approved P. Chankotadze	Necessary actions have been taken Abdullah AKGULUT	Closed S.H. MOON
Name/ სახელი:	Date/ თარიღი:	Date/ თარიღი:	Date/ თარიღი:	
Signature/ ხელმოწერა:				

Corrective actions has been done as was requested in NCR – 057.



Construction of The Modernization of Tbilisi-Rustavi section of the Tbilisi-Red Bridge (Azerbaijani Border) Road



WRITTEN WARNING

Date 01/11/2018

To: Rebar worker **Elkhan OSMANOV**

On 31 of OCTOBER 2018 at PK: 45 you observed at construction site without appropriate 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: **Elkhan OSMANOV**

Approved by:
Project Manager / Sadik KARADOĞAN

Construction of The Modernization of Tbilisi-Rustavi section of the

Tbilisi-Red Bridge (Azerbaijani Border) Road



WRITTEN WARNING

Date 01/11/2018

To: Rebar worker **Rasim KULIEV**

On 31 of OCTOBER 2018 at PK: 45 you observed at construction site without appropriate 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
Tbilisi-Red Bridge (Azerbaijani Border) Road



WRITTEN WARNING

Date 01/11/2018

To: Rebar worker **Temur CHITORELIDZE**

On 31 of OCTOBER 2018 at PK: 45 you observed at construction site without appropriate 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
Tbilisi-Red Bridge (Azerbaijani Border) Road

WRITTEN WARNING

Date 01/11/2018

To: Rebar worker **Ruslan TVAURI**

On 31 of OCTOBER 2018 at PK: 45 you observed at construction site without appropriate 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
Tbilisi-Red Bridge (Azerbaijani Border) Road

WRITTEN WARNING

Date 01/11/2018

To: Rebar worker **Vakhtang CHIGLADZE**

On 31 of OCTOBER 2018 at PK: 45 you observed at construction site without appropriate 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 CHIGLADZE**

Approved by:
Project Manager / Sadik KARADOĞAN 

Construction of The Modernization of Tbilisi-Rustavi section of the
Tbilisi-Red Bridge (Azerbaijani Border) Road



WRITTEN WARNING

Date 01/11/2018

To: Rebar worker **Archil KVRIVISHVILI**

On 31 of OCTOBER 2018 at PK: 45 you observed at construction site without appropriate 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: **Archil KVRIVISHVILI**

Approved by:
Project Manager / Sadik KARADOĞAN

Construction of The Modernization of Tbilisi-Rustavi section of the
Tbilisi-Red Bridge (Azerbaijani Border) Road



WRITTEN WARNING

Date 01/11/2018

To: Rebar worker **Tengiz TARIELASHVILI**

On 31 of OCTOBER 2018 at PK: 45 you observed at construction site without appropriate 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
Tbilisi-Red Bridge (Azerbaijani Border) Road

Annex 3

Status of Management plans

№	Name of Plan	Preparing by/ Prepared by	Deadline submission/ for Date of preparation (status)	Agreed with/ Approved by
1	Pre-construction survey of flora and fauna within the RoW	Prepared by GAMMA Consulting	May 5, 2017	Approved by DOHWA and MDF
2	Emergency Response Plan	Prepared by GAMMA Consulting	April 5, 2017	Approved by DOHWA and MDF
3	Waste Management Plan	Prepared by GAMMA Consulting	May 15, 2017	Approved by MoEPA DOHWA and MDF
4	Top Soil Management Plan	Prepared by GAMMA Consulting	June 10, 2017	Approved by DOHWA and MDF
5	Communication plan with local people	Prepared by GAMMA Consulting	June 20, 2017	Approved by DOHWA and MDF
6	Traffic management plan; it shall include Community Safety and a Community Liaison Management Plan	Prepared by GAMMA Consulting	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 by GAMMA Consulting	July 10, 2017	Approved by DOHWA and MDF
8	Cultural Heritage Management Plan	Prepared by GAMMA Consulting	January 25, 2017	Approved by DOHWA and MDF
9	Health and Safety Plan	Prepared by GAMMA Consulting	July 18, 2017	Approved by DOHWA and MDF
10	Tree felling and landscape management plan	Prepared by GAMMA Consulting	August 7, 2017	Approved by DOHWA and MDF
11	A method statement on the management of dust and noise from material transport (including	Prepared by GAMMA Consulting	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

 <p>შპს სამეცნიერო კვლევითი ფირმა „გამა“-ს საგამოცდო ლაბორატორია</p> <p>TESTING LABORATORY Of Ltd Scientific Research Firm "GAMMA"</p>	 <p>საქ. რეგისტრ. №1821-2008 GAC-TL-0008 27.08.2018-20.07.2022</p>	<p>მისამართი Address დ. გურამიშვილის გამზ. №17ა. 0192. თბილისი საქართველო D. Guramishvili ave. №17a. 0192. Tbilisi, Georgia</p> <p>995 32) 2604433; (995 32) 2601024 E-mail: gamma@gamma.ge</p>
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05.10.2018

Act №195

Customer: LTD "Gamma consulting"

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"

№4 "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
№4 "Channel after the of lubricants warehouse"	0.07	58.0

The Lab. Leader



Zh.Gurjia