Semi-Annual Environmental Monitoring Report

14th № Semestral Report
Reporting Period: January-June 2024
July 2024

Georgia: Batumi Bypass Road Project

Financed by the Asian Development Bank (ADB) and the Asian Infrastructure Investment Bank (AIIB)

Loan Number: 3520-GEO Project Number: 50064-001

Prepared by Roads Department (RD) for the Ministry of Regional Development and Infrastructure of Georgia (MRDI) for the Asian Development Bank (ADB).

Table of Contents

Abbreviations

ADB	Asian Development Bank
AIIB	Asian Infrastructure Investment Bank
BOT	Batumi Oil Terminal
BoQ	Bill of Quantities
BR	Bridges
CSCS	Consultancy Services for the Construction Supervision
dB	Decibel
CPT-SPT	Cone Penetration Test - Standard Penetration Test
CC	Construction Contractor
CH	Cultural Heritage
CSEMP	Contractor's Contract Specific Environmental Management Plan
EIA	Environmental Impact Assessment
EDDR	Environment Due Diligence Report
EMP	Environmental Management Plan
EMR	Environmental Monitoring Report
ESP	Environmental and Social Policy
ESR	Environmental Sensitive Receiver
GRM	Grievance Redress Mechanism
GRCE	Grievance Redress Committee
HS	Health & Safety
H&S	Health & Safety
HSE	Health, Safety and Environment
HSMP	Health and Safety Management Plan
IFC	International Finance Corporation
MAC	Maximum Allowable Concentration
MoEPA	Ministry of Environmental Protection and Agriculture
MoRDI	Ministry of Regional Development and Infrastructure
MSs	Method Statements
m S/cm	Milli Siemens/ centimetre
NCN	Non-Conformance Notice
NCR	Non-Conformance Report
NOC	No Objection Certificate
PMCSC	"Project Management and Construction Supervision Contract
PPE	Personnel Protective Equipment'
PPT	Personnel Protective Technologies
PIU	Project Implementation Unit
QC	Quality Control
RD	Road Department
Row	Right of Way
SAEMR	Semi Annual Environmental Monitoring Report
SDA	Spoil Disposal Area
SDS	Spoil Disposal Site
SSEMP	Site Specific Environnemental Management Plan
SPS	Safeguard Policy Statement

1 INTRODUCTION

1.1 Preamble

1. Batumi Bypass Road Project: Major Change in Project (Change in Scope, Amount, and Implementation Arrangements) was conducted in September 2019. The major change is an increase in project scope through the addition of a fourth output under the project comprising two additional construction subprojects: a new bridge and approach roads over the Rioni River in Poti and a new bypass road from Bakurtsikhe to Tsnori. Reallocation of existing savings can be utilized to fund the new output, which will reinforce the project's impact of improving regional connectivity in Georgia. The change is considered major because it fundamentally affects the approved project scope and outcome by more than doubling the length of roads and/or bridges to be built. The approved revised Project completion date is 30 September 2024.
2. This report delineates the Semi-Annual Environmental Monitoring Review conducted for the Batumi Bypass Road during the period of January to June 2024. This report is the 14th Semi-Annual EMR for the Batumi Bypass Road Project and 6th Semi-Annual EMR for the construction of Poti Bridge (please see attachment 1) and Access Roads and Construction of Bakurtsikhe-Tsnori Road Projects (see attachment 2). Supplementary Agreement No 3 (SA No 3) agreed between the Employer and Contractor was signed on 17 August 2023, agreeing an extension to the works Contract to 31 May 2024 incorporating the total of 21 Milestones for critical Items completion. The Project completion has not been achieved on the scheduled completion date of 31 May 2024 and will require a further extension.
3. The Employer has approved the revised Project Completion date: 30 September 2024.

1.2 Project Overview

4. Batumi bypass road covers the section from Makhinjauri to riv. Chorokhi. Total length of the road is 14.325km while the width is 14.0m. The mentioned section flows through mountainous terrain and considers construction of 5 tunnels, 3 bridges, 10 viaducts, 8 overpasses, 1 underpass, 52 culverts and 4 interchanges.
5. The start section is separated from existing road to detour the village near Black Sea and then crosses the village on the mountainous area by tunnel. There are tunnels and bridges to cross the dismantled military base and mountainous area on the middle section. The end section exists in flat terrain and joins to the existing road while bypass the main obstacles.

Project outline (km.-1+000 - km.13+325):

Classification of road	International highway
Design speed	$V = 100\ km/hr$
Road length	$L = 14.325\ km$
Road width	$B = 14\ m$
Lane numbers	$2\ lanes$

2 PROJECT DESCRIPTION AND CURRENT ACTIVITIES

2.1 Project Description

6. The 81-km Poti–Batumi–Sarpi Road ("S2" under Georgian Highway Designation) along the western coast of Georgia, located in the Adjara Autonomous Republic, is a key international highway and international transit route in Georgia. It is connected to the important towns of Batumi, Poti and Kobuleti. Batumi is a major Black Sea port and a holiday resort. Poti is the largest port of Georgia and Kobuleti is a holiday resort. Due to heavy traffic on S2, there has been a significant increase in congestion and accidents particularly during the tourist season in Batumi and Kobuleti. The Government of Georgia is constructing two bypass roads around Batumi and Kobuleti to improve traffic flow from these towns.

7. The Project Road, bypassing the city of Batumi to the east, is entirely located in Khelvachauri District. The design alignment goes through the villages of Makhinjauri, Gantiadi, Kapreshumi, Salibauri, Peria, and Makhvilauri. Passing through these villages, the design alignment crosses a diverse landscape of multiple ravines, streams, rivers, hills, and hillsides. Thirteen kilometers of road, five tunnels, nineteen bridges and four interchanges are planned along the Project alignment.

8. Batumi Bypass Road Project is being co-financed by the Asian Development Bank (ADB) and the Asian Infrastructure Investment Bank (AIIB) and the Government of Georgia. The Project is classified as category A for the environment under ADB's Safeguard Policy Statement (2009) so that a full Environmental Impact Assessment Report and a Resettlement Action Plan were prepared for the Project and disclosed on ADB website on 27 March 2017. The Roads Department of the Ministry of Regional Development and Infrastructure of Georgia submitted an EIA to the Ministry of Environment and Natural Resources Protection on 18 August 2017. The EIA was approved by MoEPA on 30 August 2017.

9. Based on the safeguard policy requirements of ADB and Government of Georga, to conduct an external independent monitoring and assessment of the projects' environmental compliance and reporting, the qualified External Environmental Monitoring Firm was engaged for all Environment Category A Road projects in Georgia. . The objectives of external environmental monitoring are to provide an independent review and assessment of (i) the achievements of Georgian Transport Sector projects in environmental safeguards objectives and principles, (ii) the effectiveness, impact and sustainability of taken measures to minimize, mitigate and/or compensate environmental impacts, (iii) the necessity of further mitigation measures if any, (iv) to identify strategic lessons for future policy formulation and planning, and (v) capacity building in environmental safeguards.

Figure 1. Project Location Map

Table 1. Project Information

PROJECT ITEM	DETAILS
Employer	Roads Department (RD) of the Ministry of Regional Development and infrastructure of Georgia
Funding Source	Asian Development Bank and Asian Infrastructure Investment Bank
The Engineer	SMEC International Pty Ltd with Sub-consultants: Uniprof Group Ltd and Lider + Ltd
Contractor	JV Polatyol & Mapa
Letter of Acceptance	06.07.2018
Signing date of Contract	29.08.2017
Commencement Date of Works	14 March 2018: section km6+700 – km12+830 24 May 2018: section km1+750 – km2+250 15 Oct 2018: sections km0+00 – km0+650 and km2+250 – km6+700 30 April 2019: section km 0+850 - km 1+750 21 October 2019: section km12+830 - km13+325 (excluding land plot with cadastral code: 05.35.22.723) 12 March 2021: section km0+650 – km0+850 30 July 2021: section Km 12+870 – Km 12+980
Contract Period	2392 days
Original Completion date	30.08.2020
Time Extension (EOT No. 1)	31.12.2021

Time Extension (EOT No. 2)	31.12.2022
Time Extension (EOT No. 3)	31.05.2024
Time Extension (EOT No. 4)	30.09.2024
Expired time	2300 days
Remaining time	92 days
Certified Advance Payment	GEL 49,444,610.22
Advance repayment	GEL 49,444,610.22
Retention money (10 %)	GEL 32,169,977.44
Amount certified as per works done	GEL 321,699,774.36
Percentage of achieved Physical Progress	85.40%
Defects Notification Period	3 years

2.2 Project Contracts and Management

10. The Contract for CSCS was awarded to SMEC International Pty Ltd in September 2017 for three phases of the project:

    Phase 1 – Design review, to be completed in a period of three months. The Design Review Report was completed and submitted to RD on 26 December 2017.

    Phase 2 – Construction supervision and contract administration. The construction period is for 2270 days.

    Phase 3 – Defects Notification Period, three years.

11. The TOR for the CSCS Contract contains the following tasks for the Environmental Specialists:
    a. Ensure that the provisions of the approved Environmental Management Plan are reflected in the Contractor's Site-Specific Environmental Management Plan (SSEMP) prior to its acceptance by the Engineer and the Employer, and thereafter ensure that the Contractor complies in every respect with the provisions of the SSEMP
    b. Make sure that approved SSEMP is reflected in the Supervision Consultant's monthly and quarterly report for further compliance of the Contractor
    c. Develop an environmental auditing protocol for the construction period, regularly supervise the environmental monitoring, and submit periodic reports based on the monitoring data and laboratory analysis reports. These reports will be included as an annex to the Supervision Consultant's Monthly Report
    d. Develop a program for hands-on training of Contractor's staff in implementing the SSEMP.
12. Contact details of the main organisations involved in the Project relating to Environmental Safeguards, including lender, borrower, Main Contractor/s and significant sub-contractors are given in **Table 2**. However, the contact details can be available on request.

Table 2. Staff Involved In Environmental Safeguards

Asian Development Bank	Ninette R. Pajarillaga Georgia Country Focal/ Principal Environmental Specialist/ ADB Head Office Nino Nadashvili Safeguards Officer /ADB Georgia Resident Mission Giorgi Kobaladze RETA/ADB National Environnemental Consultant
Road's Department	Luiza Bubashvili Environmental Safeguard Consultant under ADB Financed Projects
PolatYol & Mapa Joint Venture	Ejaz Maqbool Project Manager Rashad Kerimov International Environmental Specialist Ayaz Abdurahmanov Health, Safety & Traffic Manager Jaba Mzhavanadze Local Environmental Specialist
SMEC International PTY Limited	Michael Holics International Environmental Specialist
Sub-consultant	Tengiz Lagidze Local Environmental Specialist
	Davit Tevzadze Local Environmental Specialist

13. The Contractor shall comply with all applicable national, provincial, and local environmental laws and regulations as well as applicable respective standards under the Contract. The Contractor shall:

(a) Establish an operational system for managing environmental impacts,

(b) Develop the Environmental Management Plan (EMP) by identifying environmental risks arising from the Works, the mitigation measures to be applied, and monitoring to be carried out,

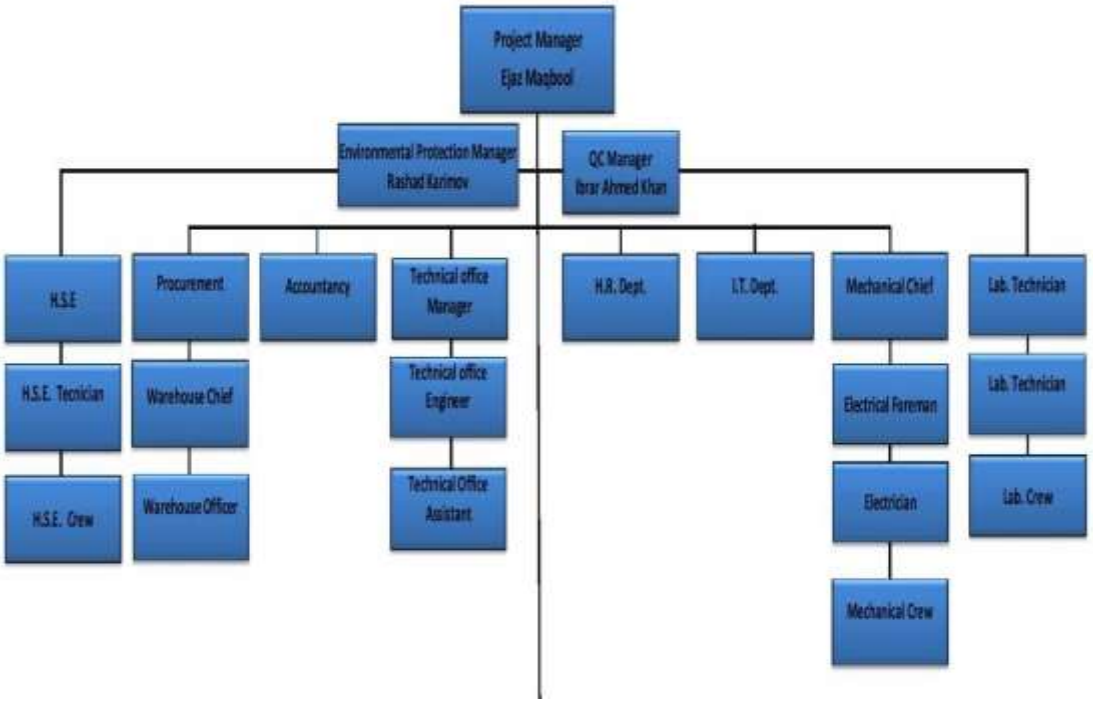
(c) Implement the required mitigation measures and monitoring,

(d) take any corrective or preventative actions set out in safeguards monitoring reports that the Employer will prepare from time to time to monitor implementation of the EMP, and

(e) Submit quarterly reports on the carrying out of such measures to the Engineer.

14. Polatyol & Mapa Joint Venture Project Manager, Mr. Ejaz Maqbool has responsibility for all environmental aspects of construction work undertaken. He will be responsible for strictly monitoring that Polatyol & Mapa Joint Venture services site management team conforms to all environmental aspects in accordance with Polatyol & Mapa Joint Venture environmental access policy and safety plan.
15. Responsibility for daily management for environmental monitoring and implementation of the SSEMP is given to the Environmental Protection Manager Mr. Rashad Karimov. He has direct authority from the Project Manager to give instruction to all site staff regarding environmental issues. The project organization chart for key Contractor management staff is provided in **Figure 2**.

Figure 2. Contractor's Project Management Staff



2.3 Project Activities during Current Reporting Period

16. The Financial Progress of the Works at the end of June 2024 is 95.49% in accordance to the Original Contract Price (329,630,734.84 GEL).
17. The Physical Progress of the Works is 85.40% based on the implemented works.
18. Tunnels: The progress in the construction of the Tunnels is slow, again due to the lack of funds by the Contractor and not enough Plant/Equipment and manpower is available on the site to progress the Works to completion in a timely manner. In Tunnel No. 1, NATM works completed at the beginning of 1st Qtr. 2024. Final Lining works were ongoing during the 1st and 2nd Qtr. 2024 and is now completed by the end of the Qtr. 2024. Cut and Cover both Entrance and Exit works started in 2nd Qtr. 2024 and works are still ongoing.

19. Tunnel No. 2, The NATM works completed in 1st Qtr. 2024. Final Lining works were ongoing during the 1st and 2nd Qtr. 2024 and is now completed. Cut and Cover both Entrance and Exit works started in 2nd Qtr. 2024 and works are still ongoing. The Contractor to date has not submitted the Detailed Design of the Emergency Exit.
20. In Tunnel No. 3, Concrete pavement works started and completed in 1st Qtr. 2024. MEP works started in the middle of 2nd Qtr 2024 and works are still ongoing.
21. In Tunnel No. 4, Concrete pavement works started and completed in 1st Qtr. 2024. MEP works started in the middle of 2nd Qtr 2024 and works are still ongoing.
22. In Tunnel No. 5, Concrete pavement works started and completed in 1st Qtr. 2024. MEP works started in the middle of 2nd Qtr 2024 and works are still ongoing.
23. Bridges: The progress of the Bridges is slow due to not enough Plant/Equipment and workers to be mobilized at the site to expedite the works for the completion of Bridges in a timely manner. The bridge works are ongoing at the various sections during the reporting period as the follows: The Waterproofing layer and Binder Course Asphalt Pavement were completed at Bridge No.3.2 and No.4; The construction of Sidewalks was completed at Bridge No.5 section A2-P8 and for the section P8-A1 the works are in progress. And the construction of Barriers has been commenced at section A2-P11; The installation of the MSE Wall final coping panels is in progress at Bridge No.6A, No.6B, No.6C and No.6D. And the Wearing Course Asphalt Pavement was completed at Bridge No.6B and the installation of Expansion Joint has been commenced; The Waterproofing layer and 2 layers Asphalt Pavement were completed at Bridge No.7 and No.7.1. And the installation of Expansion Joint has been commenced and completed at Bridge No.7 and No.7.1; The Wearing Course Asphalt Pavement was completed at Bridge No.10 and the installation of Handrails are in progress at Bridge No.11 and No.12/13. But, due to the lack of resources, the work progress is too slow; The construction of Sidewalks and Barriers was completed at Bridge No.13A and the preparation works for the installation of Handrails are ongoing; The construction of Sidewalks and Barriers was completed at Bridge No.14 and the installation of MSE Wall final coping panels is in progress.
24. **Roadworks:** The Earthworks progress is approximately 95% completed. During the 1st Qtr., 2024 the Contractor continued with the works at Interchange 1 and 4 with the placement of embankment fill. The Contractor recommenced the construction of the retaining wall by increasing the height by 1.5 metres CH12+450-CH12+600 LHS soft soil section at the end of the 1st Qtr. 2024 and completed in April 2024. In the 2nd Qtr. 2024, the Contractor is continuing to place fill on the slip roads at Interchange 4 and CL100 including the soft soil section.
25. The Contractor still has further submissions to provide to the Engineer notably a) Tunnel No 2 Detailed Design of Emergency Exit, and b) high cut/ retaining wall designs. The Engineer has reminded the Contractor in weekly progress meetings to submit the outstanding Design in a timely manner however, the Contractor has continued to delay the submissions.

Table 3. Construction Progress

N	WORK DESCRIPTION	DIMENSION	DESIGN	ACTUAL	%	NOTE
I.	**Setting Out and Site Clearance**					
Basic topography and detailed setting out						
1	For main road	km	14.325	13.125	91.62	
	for ramps and secondary roads	km	10.858	8.287	76.32	
	Site cleaning	ha	76.80	36.37	47.35	
	Cutting trees of more than 0.1 m diameter	piece	1,908.00	6,502.0	340.8	

N	WORK DESCRIPTION	DIMENSION	DESIGN	ACTUAL	%	NOTE
	Demolition of walls	m^3	244.00	509.23	208.00	
	Demolition of buildings	m^3	92,700.00	57,585.65	62.12	
II.	**Earthworks**					
2	Topsoil removal	m^3	56,000.00	9,466.13	16.90	
	Removal of unacceptable soil at any level, withdrawal at stockpile/embankment area (according to the instruction)	m^3	137,520.24	381,053.39	277.08	
	Arrangement of embankment material to design level	m^3	603,734.55	569,819.99	94,38	
	Provision, allocation and compaction of acceptable material from the borrow pit at weak and hollow areas	m^3	6,890.00	13,789.63	200,13	
	Filling the embankment with soil excavated from Tunnel	m^3	320,519.00	117,535.59	36.67	
III.	**Water Culverts and Drainage**					
3.1	Cast-in-situ RC culvert - sq. m. 6,0∂ X 5,0m	piece	7	7	100	
	Precast RC culvert - sq.2,50∂ X 2,50m	piece	3	2	66.70	
	Precast RC pipe - d= 1,50m	piece	31	30	96.77	
	Precast RC pipe - d= 1,00m	piece	7	0	0	
	Precast RC (double) pipe - d= 2X1,50m	Piece	2	1	50	
	Metal pipe - d=0,50m	Piece	4	0	0	
	Lengthening of Cast-in-situ RC culvert - sq. m. 1,30m X 1,80m	Piece	1	0	0	
	Lengthening of Cast-in-situ RC culvert - sq. m. 1,50m X 1,50m	Piece	1	0	0	
Additional Culvert						

N	WORK DESCRIPTION	DIMENSION	DESIGN	ACTUAL	%	NOTE
3.2	Cast in situ RC culvert – sq.5,00∂ X 2,50m	piece	1	1	100	
	Cast in situ RC culvert - sq.5,00∂ X 4,00m	piece	1	1	100	
Design Variation						
3.3	Cast-in-situ RC culvert - sq.1,50∂ X 1,20m	piece	1	1	100	
	Cast-in-situ RC round culvert d-1.5m	piece	2	2	100	
	Cast-in-situ RC box culvert Section 2,50m X 2,50m	piece	1	1	100	
IV.	**Slope Stabilization**					
RC Retaining Walls						
4.1	km 0+160 - km 0+400	m	240.00	216.00	90.00	
	Km 2+178 – km 2+215	m	37.00	37.00	100	
	km 3+941 - km 3+951	m	10.00	0	0	
	km 7+534 - km 7+663	m	149.80	115.0	77.18	
	Km 8+730 – km 8+760	m	10.00	0	0	
	km 9+470 - km 9+ 480	m	10.00	0	0	
	km 11+ 530 - km 11+540	m	10.00	10.00	100	
	Km 0+310 – km 0+377 (CL203)	m	73.92	73.92	100	
	Km 5+955 – km 5+994	m	30.85	30.85	100	
	Km 12+097	m	18.4	18.4	100	
Gabion Wall						
4.2	km 0+230 - km 0+265	m	35.00	0	0	CL 103
	km 0+850 - km 0+904	m	54.00	0	0	CL 103
	km 12+475 - km 12+725	m	250.00	0	0	
	km 12+814	m	50.00	0	0	Left
	km 12+814	m	48.00	0	0	Right
	km 12+831	m	50.00	0	0	Left
	km 12+831	m	54.00	0	0	Right
	km 13+940 - km 14+120	m	180.00	0	0	
"Terramesh" System						
4.3	"Terramesh" system arrangement	m	2769.00	0	0	

N	WORK DESCRIPTION	DIMENSION	DESIGN	ACTUAL	%	NOTE
Design Variation						
4.4	Slope stabilization by soil nailing at section km10+102 - km10+340	m	238.00	238.00	100	
4.5	Drilled and filled RC pile wall at section km 11+ 460 - km 11+503	m	43.00	43.00	100	
4.6	Reinforced concrete supporting wall at section km 11+513 - km 11+585	m	72	72	100	
4.7	RC Retaining Wall (CL 203) at Km 0+310 – Km 0+377		73.6	73.6	100	
4.8	Drilled and filled RC pile wall at section km 9+244 - km 9+340	m	96	96	100	
4.9	Drilled and filled RC pile wall at section km 9+340 - km 9+440	m	100	100	100	
4.10	Slope strengthening by earth anchors at section km9+440 – km9+520	m	80	80	100	
4.11	RC Retaining Wall at Km0+080-Km0+110	m	38.85	38.85	100	
4.12	RC Retaining Wall at Km0+080-Km0+110	m	30	30	100	
4.13	CL 300 – CL 301 RC Retaining Wall	m	84.35	70.00	82.98	
4.14	Km 12+465 – Km 12+720 RC Retaining Wall	m	465.0	465.0	100	
4.15	Km 5+955 – Km 5+794 RC Retaining Wall	m	30.85	24.20	78.44	
4.16	Km 5+476 – Km 5+636 RC Piled Wall	m	160	160	100	
4.17	Km 0+612 – Km 0+686 RC Retaining Wall	m	60.60	30.0	50.0	
V. Bridges						
5	Bored piles: BR-01 - BR-05; BR-07; BR-07.1; BR-12/13; BR-12/13A; BR-14: BR-03.1: BR-06A; BR-6B; BR-6C: BR-6D; BR-08A	Unit	1,558.00	1,558.00	100	

N	WORK DESCRIPTION	DIMENSION	DESIGN	ACTUAL	%	NOTE
	Pile cap: BR-01 - BR-05; BR-07; BR-07.1; BR-12/13; BR-12/13A; BR-14: BR-03.1: BR-06A; BR-6B; BR-6C: BR-6D; BR-08A	Unit	142.00	142.00	100	
	Column: BR-01 - BR-05; BR-07; BR-07.1; BR-12/13; BR-12/13A; BR-14: BR-03.1: BR-06A; BR-6B; BR-6C: BR-6D; BR-08A	Unit	282.00	282.00	100	
	Crossbar: BR-01 - BR-05; BR-07; BR-07.1; BR-12/13; BR-12/13A; BR-14: BR-03.1: BR-06A; BR-6B; BR-6C: BR-6D; BR-08A	Unit	120.00	120.00	100	Construction in progress
	Back wall and wingwall: BR-01 - BR-05; BR-07; BR-07.1; BR-12/13; BR-12/13A; BR-14: BR-03.1: BR-06A; BR-6B; BR-6C: BR-6D; BR-08A	Unit	36.00	36.00	100	Construction in progress
	Installation RC beams: BR-01 - BR-05; BR-07; BR-07.1; BR-12/13; BR-12/13A; BR-14: BR-03.1: BR-06A; BR-6B; BR-6C: BR-6D; BR-08A	Unit	667	667	100	
	Unification of prestressed beams by cast in situ RC concrete slab	m	4,669.0	4,669.0	100	Construction in progress
5.1	Construction of cast in situ sidewalk	m	4,669.0	4,300	92.10	
5.2	Construction of cast in situ rails	m	4,669.0	4,280	91,67	Construction in progress
5.3	Expansion (temperature) joints	Unit	95	7	7.37	
VI. Tunnels						
Tunnel No. 3						

N	WORK DESCRIPTION	DIMENSION	DESIGN	ACTUAL	%	NOTE
6	Arrangement of the emergency exit	∂	70	22	31	
	Arrangement of operational control center				30	
	Gravel foundation	m^3	7,391	7,391	100	
	Drainage system arrangement	m	805	805	100	
	Utility Box arrangement	m	1610	1610	100	
	Construction of pile wall system at the exit portal				100	
	Construction of pile wall system at the entrance portal	u	101	101	100	
	Soil excavation at the exit portal				100	
	Tunnel excavation and installation temporary lining	m	749.0	749.0	100	
	Construction of permanent lining	m	749.0	749.0	100	
	Arrangement of Portal part	m	56	56	100	
	Concrete pavement	m	805	805	100	
Tunnel No. 4						
7	Construction of pile wall system at the exit portal	u	203	203	100	
	Utility channel	m	2,134	2,134	100	
	Soil excavation at the entrance portal	1000 m^3	51.25	51.25	100	
	Tunnel excavation and installation temporary lining	m	843.0	843.0	100	
	Construction of permanent lining	m	843.0	843.0	100	
	Arrangement of the Portal Part	m	224	224	100	
	Arrangement of the Drainage System	m	1,067.00	800.00	75.00	
	Concrete pavement	m	1067	1067	100	
Tunnel No. 5						
8	Gravel foundation	m^3	1,069	1,069	100	
	Tunnel excavation and installation of temporary lining				100	
	Portal excavation				100	

N	WORK DESCRIPTION	DIMENSION	DESIGN	ACTUAL	%	NOTE
	Installation of waterproofing	m^2	20,650.0	20,650.0	100	
	Installation perforated PVC pipes	m	1,084.00	1,084.0	100	
	Filter concrete (C12/15)	m^3	8.0	8.0	100	
	Cast-in-situ concrete for drainage	m^3	20,030.0	20,030	100	
	Installation reinforcement frame	t	323.0	323.0	100	
	Tunnel lining (permanent lining)	m	542	542	100	
	Construction of portal part	m	45	45	100	
	Communication Channel	m	1084	1084	100	
	Arrangement of Drainage System	m	587	587	100	
	Concrete pavement	m	587	587	100	
	Arrangement of operational control center				30	
Tunnel No. 1						
9	Arrangement of the Piled Wall System at the Entrance Portal	u	131	131	100	
	Construction of pile system wall at the exit portal	u	131	131	100	
	Tunnel excavation and construction of temporary lining	m	465	465	100	
	Vertical Jet Grouting	u	625	625	100	
	Tunnel lining (permanent lining)	m	465	465	100	
	Installation of waterproofing	m^2	19,068.0	19,068.0	100	
	Construction of Portal section	m	77.0	24	31	
Tunnel No. 2						
10	Construction of pile system wall at the entrance portal	u	119	119	100	
	Tunnel excavation and construction of temporary support	m	720	720	100	
	Construction of pile system wall at the exit portal	u	96	96	100	

N	WORK DESCRIPTION	DIMENSION	DESIGN	ACTUAL	%	NOTE
	Installation of waterproofing	m^2	211.18	211,18	100	
	Installation perforated PVC pipes	m	1366.0	1,366	100	
	Cast-in-situ concrete for drainage	m^2	23.55	23.55	100	
	Tunnel lining (permanent lining)	m	705,0	693	98	
	Installation of waterproofing	m	705,0	612	86.8	
	Construction of Portal section	∂	102.0	36	35	
	Arrangement of operational control center				25	

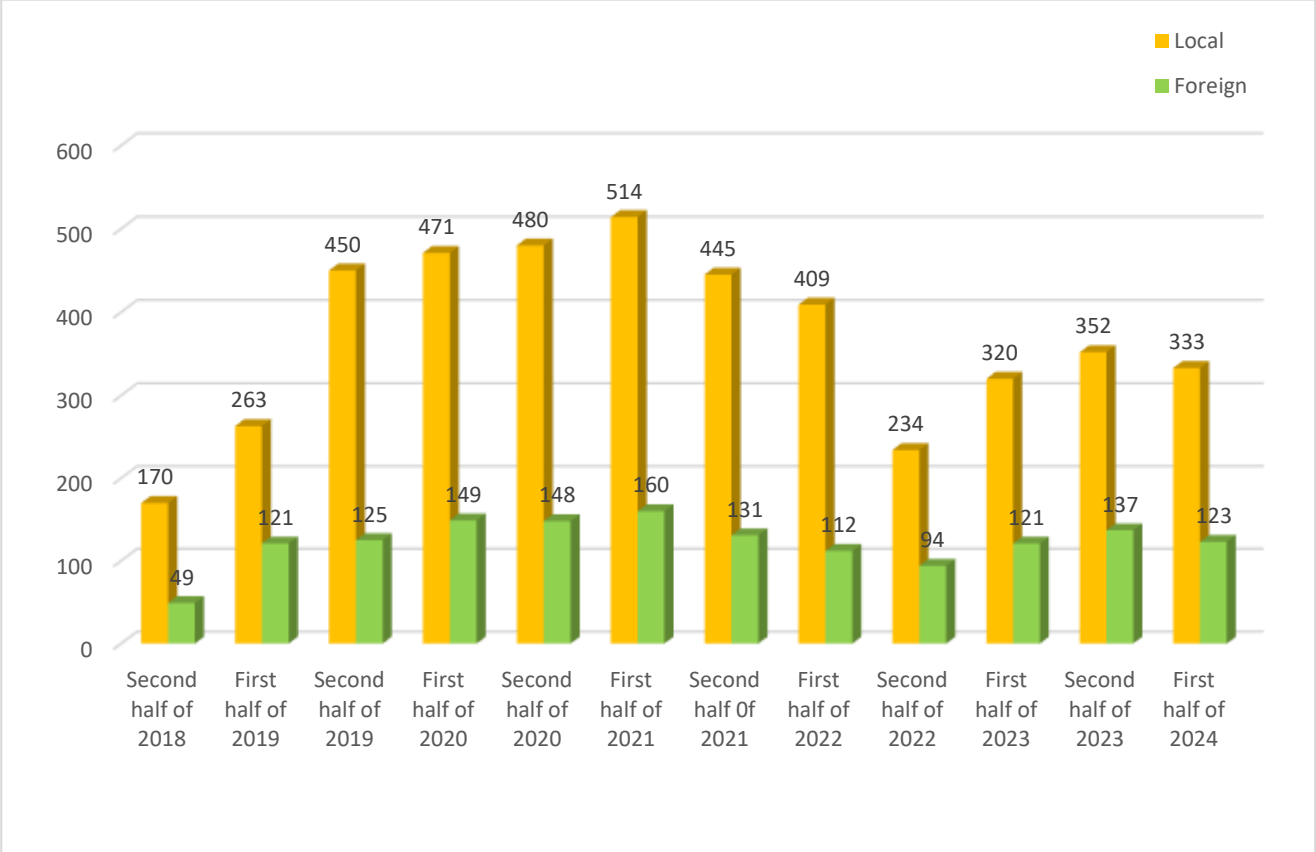
26. In June 2024 the total number of personnel is 456, 123 of whom are foreigners and 333 are locals (Table 4).

Table 4. Contractor's Personnel as of June 2024

N	POSITION	POLATYOL		SUBS		SUM
		Foreign	Local	Foreign	Local	
1	Project Manager	1	0	0	0	1
2	Site Manager	1	0	0	0	1
3	Engineer staff	7	0	0	0	7
4	Technical office	4	1	0	0	5
5	Technicians	3	0	0	0	3
6	Skilled Labour	27	72	0	0	99
7	Unskilled Labour	3	25	0	0	28
8	Driver	5	39	0	22	66
9	Operator	17	19	0	6	42
10	Finance & Administration	1	2	0	0	3
11	HSE Team	2	5	0		7
12	Environmental Manager	1	0	0	0	1
13	Foreman	8	0	0	0	8
14	Repairman	7	0	0	0	7
15	Security	0	57	0	0	57
16	Forest Expert	0	0	0	0	0
17	Mechanical Department	2	1	0	0	3
18	Tunnel works Subcontractor	0	0	13	6	19

N	POSITION	POLATYOL		SUBS		SUM
		Foreign	Local	Foreign	Local	
19	Concrete works (Subcontractor)	0	0	8	50	58
20	Pile construction team (Subcontractor)	0	0	5	4	9
21	Blasting works (Subcontractor)	0	0	0	2	2
22	Stone column works (Subcontractor)	0	0	0	0	0
23	Pre-cast beam (Subcontractor)	0	0	1	0	1
24	Designer	1	0	0	0	1
25	Catering service Subcontractor	0	0	6	12	18
26	Concrete Road Sub-Contractor	0	0	0	10	10
Total		**90**	**221**	**33**	**112**	**456**

Figure 3. Contractor's Personnel as of June 2024



2.4 Changes to Project Design and Agreed Construction Methods

27. No change in the project design was approved during the reporting period.

Table 5 Summary of Civil Works Contracts and works' progress

Scope	Contractor	Signed	Approval Date		Environmental personnel		Civil Work		(%) Progress as of	
			SSEMP	COVID-19 HSMP	Environmental officer	Health and Safety officer	Start	End	31 Dec 2023	30June 2024
Constriction of Batumi Bypass Road Project	JV Polatyol & Mapa	29.08.2017	30 May 2018	30 March 2019	Jaba Mzhavanadze	Ayaz Abdurahmanov	06.07.2018	30.09.2024	81.56 %	85.40 %

3 ENVIRONMENTAL SAFEGUARD ACTIVITIES

3.1 General Description of Environmental Safeguard Activities

28. Throughout the weekly monitoring sessions, the Environmental Specialists designated by the Engineer, namely Mr. Tengiz Lagidze (national) and Mr. Davit Tevzadze (national), conducted assessments. Their evaluations focused on scrutinizing the Contractor's activities with regard to environmental impact and assessing the Contractor's adherence to the environmental stipulations outlined in the Project's requirements.

29. The Engineer's international Environmental specialist Mr. Michael Holics was mobilized once during the reporting period from 27 February to 8 April. During this period, Mr. Holics worked with the Engineer's local Environmental Specialists in undertaking site visits and participated in the Engineer's Weekly Progress Meetings as well as HSE Meetings with the Contractor.

30. With respect to site assessment, in addition to weekly visits to relevant sites, at the end of each month there were full in-depth site visits undertaken by the Engineer and findings were sent to the Contractor for follow up. During the reporting period access to the site was not limited, however, safety-warning signs were placed by the Contractor.

31. For enhance the site's day-to-day environmental management under the purview of the project, in response to the Engineer's directive, the Contractor has augmented its HSE Team by appointing Mr. Jaba Mzhavanadze as a full-time Environmental Specialist. Mr Mzhavanadze also has landscaping experience and has taken on the role of the Forest Expert for the purposes of the Contractor's Tree Planting Plan.

32. The external environmental monitoring firm (EEMF) "Ecospectri" Ltd conducted the site inspection at BBP On 13.06.24. The representatives of the EEMF "Ecospectri" Ltd on behalf of RD conducted the site inspection to verify compliance with the Contractor's Environmental Management Plans (EMPs) and progress toward the expected outcomes. The EEMF will document the monitoring results, identify the necessary corrective actions, and reflect them in a corrective action plan.

33. Where non-compliance was detected during the monitoring process, the non-compliance was recorded with photo evidence, and an Environmental Non-Conformance Report (ENCR) issued and sent to the Contractor. The list of ENCRs sent to the Contractor by the Engineer, where above-mentioned environmental issues are described and copies of the ENCRs are enclosed in Annex 6 – [ENCRs] of this Report.

34. The Engineer's environmental specialists prepared monthly, quarterly, and semi-annual reports, which were submitted, to the Roads Department. These reports summarise all construction activities and their environmental impact; describe the Environmental Specialist's monitoring and site inspection activities; and lists ENCRs (and their status) issued to the Contractor.

35. The Contractor's Environmental Specialist Mr. Rashad Kerimov (International) was not mobilized on site during the reporting period.

3.2 Site Monitoring/Inspections

36. In the first half of 2024 (January-June) the Engineer's Environmental Specialists Mr. Tengiz Lagidze and Mr. Davit Tevzadze conducted weekly monitoring of the following Project sites:

- Office and accommodation camp of the Contractor
- Construction camp of the Contractor
- Access roads to Bridges and Tunnels
- Tunnel No 1
- Tunnel No 2
- Tunnel No 3
- Tunnel No 4

- Tunnel No 5
- Bridges Nos 1, 2, 3, 3.1, 4, 5, 6, 6a, 7, 7.1, 8, 8a, 9, 10, 11, 12, 13, 13.1, 14
- Road sections
- Interchanges 1, 2, 3, 4
- Precast yard
- Concrete mixing plant 1, 2.

37. The International Environmental Specialist also particpated in weekly inspections when at site.

3.3 Environmental Issues Tracking

38. During the reporting period, the works had a very low progress; however, numerous non-compliances were identified at Construction sites at various locations. Common non-compliances included:

- Construction and household (plastic containers etc.) waste pollution;
- Waste concrete contamination;
- Improperly stored materials;
- Metal scrap waste is not properly disposed;
- Waste burning on site.

39. Issues were tracked via letters (See Table 9 Correspondence) and Non-Conformance (See Annex 6 ENCRs) notices; the number of non-conformances is summarized in Table 9 for the current reporting period, as well as from the start of the Project to date.

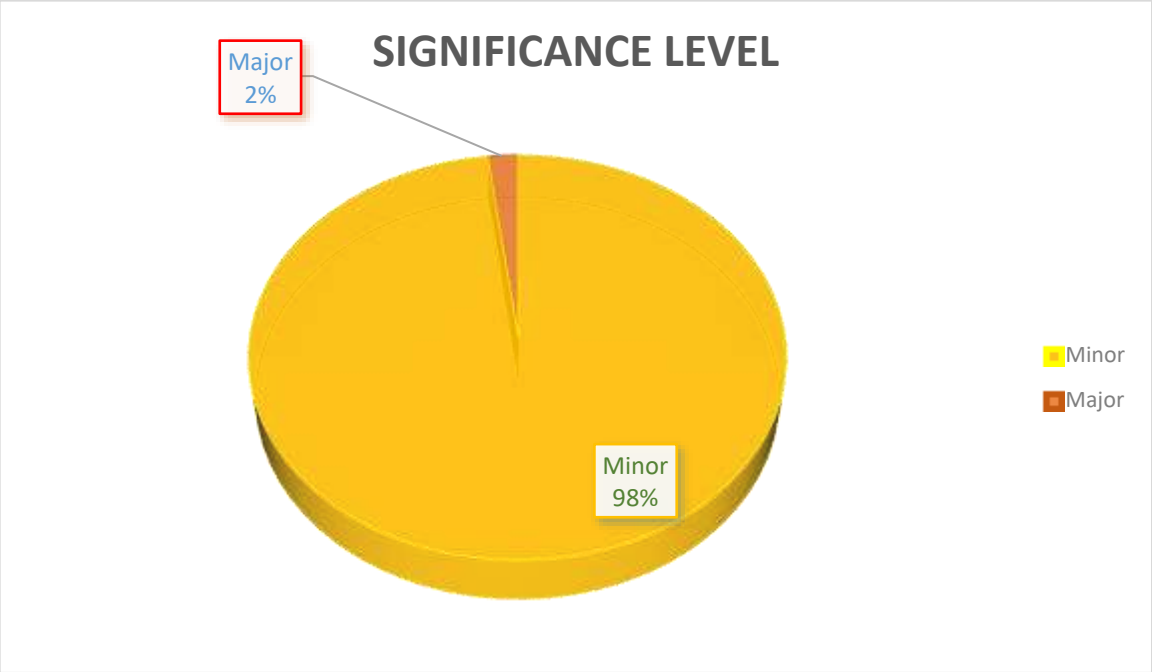
Table 6. Summary of Environmental Issues Tracking Activity for the Project

Total Number of ENCRs for the Project	
Number of Issues Raised since start of Project	178
Number of Open Issues	3
Number of Closed Issues	175
Percentage Closed	98%
Issues Opened this Reporting Period (January–June 2024)	16
Issues Closed this Reporting Period (January–June 2024)	13

Note: As per the engineering ENCR register, items №1-ENCR 176, construction waste placed on the ground and burning of waste on the construction site, №2-ENCR 177, scattered construction waste and waste burning on the construction site, and №3-ENCR 178, scattered construction and household waste, are currently unresolved and remain open. ENCR_176 was due to be closed on 16 June 2024, ENCR_177 was due to be closed on 21 June 2024 and ENCR_178 was due to be closed on 21 June 2024. The Contractor has been requested to take urgent action to close these ENCRs as soon as possible.

40. Building upon the information provided in Table 6, Figure 4 below delineates the environmental issues categorized by significance levels, ranging from Minor to Major. The Engineer conducts individual assessments for each issue based on the scale of violation and its impact on the environment. Figure 4 visually represents the percentage distribution of minor and major environmental issues observed during the reporting period.

Figure 4. Summary of Non-Conformance by Significance Level



41. Out of the 16 aforementioned non-conformances, 13 have been successfully resolved. These issues underwent comprehensive follow-up procedures facilitated through the issuance of Environmental Non-Conformance Reports (ENCR) and official correspondence from the Engineer. The letters from the Engineer outlined clear and established deadlines for the implementation of corrective actions. For a more in-depth understanding of the non-conformances, additional details are provided in Table 8.
42. Copies of the issued Environmental Non-Conformance Reports (ENCRs), inclusive of the outlined corrective measures, along with accompanying photographic documentation, are available for reference in Annex 6 – [ENCRs].

3.4 Non-Conformance Notices

43. Table 7 provides the status of implementation of the corrective actions from ENCRs that remained open from the July-December 2023 environmental monitoring report.
44. The Contractor has been duly notified of the impending environmental issues, and an action plan has been devised to guide the implementation of corrective measures within a specified timeframe for the mitigation of non-conformances. Detailed information regarding the non-conformances observed during the reporting period is presented in Table 8.

Table 7 Status of open non-conformances for the last reporting period July-December 2023

N	ENCR	DATE ISSUED	LOCATION	DESCRIPTION	CORRECTIVE ACTIONS	SPECIFIED CLOSING DATE	STATUS
1	ENCR 157	31/10/2023	Tunnel No.1 Exit Portal.	The material removed from the Tunnel is placed at the Exit of Tunnel No. 1. Hazardous waste is located in the rest area for working personnel located near the Exit of Tunnel No. 1. There is no sedimentation tank installed at the Exit of Tunnel No. 1 to capture the contaminated muddy water as it flows out of the Tunnel.	Exit of the tunnel No.1 was cleaned. Hazardous waste from personnel resting area near exit portal of the first bridge was removed. Sedimentation tank at the exit of the first tunnel was arranged.	10/11/2023	Closed 15/03/2024
2	ENCR 162	23/12/2023	Bridge No. 3 End & Tunnel No. 2 Entrance Portal	1) Spillage of used oil/hazardous waste at concrete surface, the contamination is observed on surrounding soil as well. Furthermore, rainwater can wash down the hazardous waste into the drainage channel. 2) Spillage of concrete waste and concrete mixed water at the mentioned location, on the embankment slope, from where the concrete mixed water flows into the nearby drainage channel. 3) Contamination of the aforementioned area with household waste/plastic containers.	Area was cleaned. Concrete waste and household waste was removed from the site. Hazardous waste was removed from site. Necessary toolbox was conducted for mixer drivers.	29/12/2023	Closed 03/04/2024

Note- There are no open non-conformances pending from the last Semi-Annual Environmental Monitoring Report.

Table 8 Identified non-conformances for January-June 2024 reporting period

N	ENCR	DATE ISSUED	LOCATION	DESCRIPTION	CORRECTIVE ACTIONS	SPECIFIED CLOSING DATE	STATUS
1	ENCR 163	17/01/2024	Bridge No. 10	On the shoulders of the Bridge No. 10, across the concrete barriers, the construction wood Waste is located on the footpaths, which during windy weather conditions pose a danger to the heavy vehicles and pedestrians on the road below the Bridge No. 10.	Bridge No. 10 shoulders were cleaned from construction waste.	19/01/2024	Closed 27/01/2024
2	ENCR 164	29/02/2024	Adjacent to the Tunnel Operational Center Under Construction	Soil pollution with oil products. Waste concrete spilled out of concrete mixer.	Area was cleaned from oil spills and concrete waste. Environmental training was conducted for mixer drivers.	05/03/2024	Closed 03/04/2024
3	ENCR 165	04/03/2024	Under Bridge No. 1 near Tunnel No. 1 Entrance Portal and in Vicinity of Tunnel No. 1 Entrance Portal	Hazardous waste (oil/lubricants) spill from vehicle/plant maintenance; disposal of household waste (including plastic lunch boxes) on the ground due to absence of waste bins on site; ineffective sediment ponds due to lack of maintenance); contamination of soil from concrete waste	Oil contaminated soil was removed from site. Sedimentation ponds are cleaned in regular basis. Concrete waste was removed from area. Site was cleaned from household waste. Necessary toolbox was conducted.	08/03/2024	Closed 12/04/2024
4	ENCR 166	04/03/2024	Concrete Batching Plant No. 2	Disposal of household waste (including plastic lunch boxes) on the ground due to absence of waste bins on site; burning of waste on site.	Waste bin was placed. Area was cleaned. Concrete waste was removed from site. Necessary toolbox was conducted.	08/03/2024	Closed 12/06/2024
5	ENCR 167	12/03/2024	Tunnel No. 3 Entrance Portal	Household waste scattered on the ground due to the absence of a waste bin at the construction campsite and	A trash can has been installed. The area has been cleared. Environmental training conducted.	16/03/2024	Closed 03/04/2024

				also it was observed the facts of the burning of household waste.			
6	ENCR 168	12/03/2024	Adjacent to the Bridge No. 7.1	Concrete spilled on the ground from a concrete mixer truck; Household waste is scattered on the ground at the construction site due to the absence of waste bins.	Adjacent territory of bridge No 7.1 was cleaned from concrete and household waste; Waste bin has been installed. Necessary training for mixer drivers have been carried out.	16/03/2024	Closed 30/04/2024
7	ENCR 169	12/03/2024	Tunnel No. 5 Exit Portal	Concrete spilled on the ground from a concrete mixer truck, which also flows into the small river nearby; Household waste is scattered on the ground at the construction site due to the absence of waste bins.	Adjacent territory of tunnel No 5 were cleaned from concrete and household waste. Waste bin was installed. Necessary toolbox was conducted for mixer drivers and workers.	16/03/2024	Closed 30/04/2024
8	ENCR 170	15/03/2024	Adjacent to the Tunnel No. 1 Exit Portal and Beginning of Bridge No. 3	1) Concrete spilled on the ground from a concrete mixer truck, which also flows into the small river nearby; 2) Household waste scattered on the ground due to the absence of a waste bin at the construction campsite and also it was observed the facts of the burning of household waste; 3) The sedimentation basin at the Exit of the Tunnel is full; 4) There are used tires and other construction waste placed on the mentioned territory.	The area was cleaned from concrete waste. Sedimentation basin was cleaned. Used tires removed from site. Environmental training have been carried out for mixer drivers.	22/03/2024	Closed 30/04/2024
9	ENCR 171	22/03/2024	Slope between Bridges No. 1 & No. 2	Waste concrete poured from concrete mixer resulting in soil pollution and damage to trees.	Area was cleaned from concrete waste. Training for mixer drivers was conducted.	30/03/2024	Closed 26/03/2024
10	ENCR 172	22/03/2024	Between Tunnel No. 1 Exit Portal and Bridge No. 3	Waste concrete poured from concrete mixer resulting in soil pollution and damage to trees.	Area was cleaned from concrete waste. Training for mixer drivers was conducted.	30/03/2024	Closed 26/03/2024

11	ENCR 173	01/05/2024	Adjacent to Bridge No. 5.	Construction waste dumped in the bed of the Korolistskali river.	Construction waste removed from the area.	04/05/2024	Closed 23/05/2024
12	ENCR 174	12/06/2024	Tunnel No. 2 Exit Portal	Water mixed with cement and concrete waste poured from a concrete mixer.	Concrete waste and spills were removed from site. Necessary toolbox talk was conducted.	14/06/2024	Closed 17/06/2024
13	ENCR 175	14/06/2024	Contractor's Office and Residential Camp Territory	Overfilled household waste bins and waste placed outside the bins.	Household waste was removed from office area.	15/06/2024	Closed 17/06/2024
14	ENCR 176	14/06/2024	Tunnel No. 1 Entrance Portal	Construction waste placed on the ground and burning of waste on the construction site.		16/06/2024	Open
15	ENCR 177	18/06/2024	Tunnel No. 3 Entrance Portal	Scattered construction waste and burning of waste on the construction site.		21/06/2024	Open
16	ENCR 178	18/06/2024	Tunnel No. 5 Exit Portal	Scattered construction and household waste.		21/06/2024	Open

45. At the direction of the Engineer, the Contractor mobilized a new full time Environmental Specialist Mr. Jaba Mzhavanadze. The Contractor also filled its vacant HSE position by the appointment of Mr. Davit Metreveli. Both are on site full-time and conduct site checks and monitoring.

Table 9. Correspondence Regarding Environmental issues

NO	DATE	REF. NO.	SUBJECT
1	17.01.2024	5015001/2/3444	Regarding Waste on the Bridge No. 10
2	23.01.2024	5015001/2/3448	Regarding an Updated Compensatory Tree Planting Plan
3	16.02.2024	5015001/2/3480	Comments on the Revised Tree Planting Plan
4	27.02.2024	5015001/2/3495	Regarding the Construction Wast
5	04.03.2024	5015001/2/3507	Regarding the Contractor's Environmental Quarterly Report No. 22 for 2023 (October-December)
6	06.03.2024	5015001/2/3514	Reminder Regarding the Testing of Environmental Parameters
7	13.03.2024	5015001/2/3526	Regarding Noise Barriers
8	21.03.2024	5015001/2/3536	Reminder Regarding the landscaping at Tunnel Portals and Slopes
9	23.03.2024	5015001/2/3541	Stockpile of Excavated Soil Material for Re-Use as Topsoil Layer
10	29.03.2024	5015001/2/3548	Regarding the Atmospheric Air Pollution
11	06.04.2024	5015001/2/3557	Regarding Submission of Compensatory Tree Planting Plan
12	20.04.2024	5015001/2/3570	Regarding the Sites Clean-up and Rehabilitation Schedule
13	26.04.2024	5015001/1/3580	Regarding the Submission of the Revised Compensatory Tree Planting Plan
14	27.04.2024	5015001/1/3583	Topsoiling of the Embankment Slopes
15	02.05.2024	5015001/2/3584	Regarding the Environmental Issues
16	02.05.2024	5015001/2/3585	Regarding the Change in the Plan of the Compensatory Tree Planting
17	25.05.2024	5015001/2/3618	Prevention of Environmental Pollution due to the Jet Grouting Works, during the Construction Activities of the Tunnel No.2 Emergency Exit
18	25.05.2024	5015001/2/3619	Regarding the Testing of Environmental Parameters
19	07.06.2024	5015001/2/3631	Regarding the Submission of the Revised Compensatory Tree Planting Plan
20	07.06.2024	5015001/2/3632	Regarding the Environmental Issues
21	07.06.2024	5015001/2/3633	Regarding the Pollution of Atmospheric Air

22	13/06/2024	5015001/2/3650	Covering the Soil of the Road Embankment Slopes with Topsoil Layer
23	17/06/2024	5015001/2/3651	Regarding the Revised Compensatory Tree Planting Plan
24	19/06/2024	5015001/2/3655	Regarding the Pollution of the Construction Site with Construction Waste
25	21/06/2024	5015001/6/3657	Ecological Monitoring
26	25/06/2024	5015001/2/3662	Reminder Regarding the Protection of Tunnel No.2 Emergency Exit from Contamination

3.5 Disposal of Spoil Material from Tunnels and Work Site Rehabilitation

46. The Contractor utilizes the space under bridges for the temporary storage of spoil material excavated from tunnels so that the spoil material can be more easily used for construction activities. The Contractor proposes to remove the excess spoil material to landfill once construction has been completed. The Engineer has requested the Contractor to progressively remove excess spoil material in those areas where construction has been completed and the material can no longer be used on site as it is becoming an eyesore, and in some cases has the potential to pollute nearby watercourses. The Engineer prepared a waste matrix spreadsheet showing the location of all sites where waste (including construction waste) needed to be removed together with a schedule for the waste removal and site clean-up. The document was designed to be a live document to be updated progressively as sites were cleaned up. The Engineer sent the draft Schedule of site clean-up and rehabilitation to the Contractor on April 20, 2024 (Reference Letter No. 5015001/2/3570) The Contractor was instructed to update the document with performance dates and submit it to the Engineer for review by April 25, 2024. As of June 30, 2024, the Contractor has not submitted an updated Document to the Engineer.

3.6 Trends

47. Most of the violations by the Contractor are related to waste management. Despite numerous recommendations by the Engineer on how to resolve this issue, the Contractor does not take necessary steps and does not act proactively to avoid environmental pollution, such as plastic waste, waste concrete, oil spills, burning of waste etc. The poor environmental management relates in part to the attitude of construction workers who ignore the toolbox talks/training provided by Contractor Management. There is also a lack of enforcement by site supervisors. The Engineer has recommended that the Contractor implement disciplinary measures to its site supervisors to improve site environmental management. To date, the Contractor has not enforced any disciplinary measures.

3.7 Unanticipated Environmental Impacts or Risks

48. No unanticipated environmental impacts or risks were observed during the reporting period.

3.8 Compensatory Tree Planting Works

49. The contractor has completed the cutting of trees and the number of trees removed for the Project and their locations are given in Annex 9.

50. The Engineer met with the Contractor and their tree planting designer from ‘’Projekt Plus’’ Ltd and sub-contractor ‘’Seedlings of Georgia’’ Ltd on 4 December 2023 during which it was agreed that the revised Tree Planting Plan and BoQ will be submitted by the Contractor by

12th December 2023. However, the updated Compensatory Tree Planting Plan was only submitted by the Contractor to the Engineer for review and approval on June 04, 2024 (Letter Reference No. GEO/BB/2478-24). The Engineer, after reviewing the submitted updated Compensation Tree Planting Plan, submitted the Plan to the Employer for review on June 07, 2024 (Letter Reference No. 5015001/1/3631).

51. The updated Compensatory Tree Planting Plan was approved by the Employer on June 11, 2024 (Letter Reference No. 2-08/8363). In total, 2,513 trees will be planted as a compensation measure at 9 sites identified within the selected area. The preferable period for planting the selected deciduous or evergreen tree species is during September till November or March till April. According to the approved plan, the Contractor should plant compensation trees from September 2024 to October 2024.

52. The Engineer is yet to receive submittal of noise barriers, as well as technical and financial proposals for review regarding landscaping of steep slopes and Tunnel portals.

4 RESULTS OF ENVIRONMENTAL MONITORING

4.1 Overview of Contractor's Monitoring during the Reporting Period.

53. During the reporting period the Contractor engaged an independent laboratory LEPL "Laboratory Research Centre" to conduct chemical/metal analysis of water samples from rivers near the Project. The location of water sampling sites and parameters measured is in accordance with the SSEMP. Results can be found in Annex 5 [Water Quality Results]. The results of water quality tests are within Maximum Permissible Concentrations (see Table 10).

4.1.1 Water Quality Monitoring

Table 9. Chemical and Bacteriological Analysis of River Water - quality sampling undertaken on March 6, 2024

N	Parameter	Makhvilauri km11+500	Benze km4+700	Makhinjauri km1+550	Makhinjauri km0+550	Gorodoki km7+500	Maximum Allowable
1	Chlorides	11.0 mg/l	9.9 mg/l	9.6 mg/l	8.2 mg/l	7.79 mg/l	350 mg/l
2	Sulphates	9.0 mg/l	9.0 mg/l	11.5 mg/l	8.5 mg/l	10.0 mg/l	500 mg/l
3	Poly-phosphates	<0.01 mg/l	0,6 mg/l ± 0,14 mg/l	<0.01 mg/l	<0.01 mg/l	<0.01 mg/l	5 mg/l
4	Nitrates	<0.1 mg/l	0,16 mg/l ± 0,03 mg/l	0,22 mg/l ± 0,04 mg/l	0,25 mg/l ± 0,05 mg/l	0,21 mg/l ± 0,04 mg/l	25 mg/l
5	Alkalinity	1.4 mmol/dm^3	1.2 mmol/dm^3	1.3 mmol/dm^3	1.0 mmol/dm^3	1.4 mmol/dm^3	-
6	Lead	<0.002 mg/l	0.001 mg/l	0.001 mg/l	0.002 mg/l	0.001 mg/l	0.03 mg/l
7	Zinc	0.09 mg/l	0.006 mg/l	0.06 mg/l	0.08 mg/l	0.07 mg/l	1 mg/l

Chemical and Bacteriological Analysis of River Water -quality sampling undertaken on June 4, 2024

N	Parameter	Makhvilauri km11+500	Benze km4+700	Makhinjauri km1+550	Makhinjauri km0+550	Gorodoki km7+500	Maximum Allowable
1	Chlorides	42.54 mg/l	35.45 mg/l	29.78 mg/l	29.07 mg/l	40.4 mg/l	350 mg/l
2	Sulphates	10.5 mg/l	12.0 mg/l	12.5 mg/l	13.0 mg/l	11.2 mg/l	500 mg/l
3	Poly-phosphates	<0.01 mg/l	<0.01 mg/l	<0.01 mg/l	<0.01 mg/l	<0.01 mg/l	5 mg/l
4	Nitrates	0,21 mg/l ± 0,042 mg/l	<0.1 mg/l	0,2 mg/l ± 0,04 mg/l	0,13 mg/l ± 0,02 mg/l	0,23 mg/l ± 0,046 mg/l	25 mg/l
5	Alkalinity	0.92 mmol/dm^3	0.7 mmol/dm^3	1.25 mmol/dm^3	1.3 mmol/dm^3	0.9 mmol/dm^3	-

6	Lead	<0.001 mg/l	<0.001 mg/l	0.001 mg/l	0.003 mg/l	0.001 mg/l	0.03 mg/l
7	Zinc	0.10 mg/l	0.08 mg/l	0.09 mg/l	0.12 mg/l	0.13 mg/l	1 mg/l

54. Quarterly monitoring of the water quality was done on 06.03.2024 and 04.06.2024. Maximum allowable limits are based on Georgian standards for surface water quality as approved by the Ministry of Labour, Health and Social Protection.

4.1.2 Noise, Air Quality, Atmospheric Air Quality and Vibration Monitoring

55. The Contractor measured PM2.5 and PM10 twice during the reporting period (01.03.2024 and 19.06.2024) (see Table 12).

56. The contractor did not conduct vibration measurements during the reporting period, as they have not received any complaints. For this reason no measurement results were submitted to the engineer.

57. Blasting time is strictly controlled and is allowed only during daytime to avoid disturbance of residents and to comply with requirements of the SSEMP and EIA. Also, all residents are informed about blasting time in advance by text messages and phone calls. Explosives and discharge power are reduced so there are no negative effects due to vibration or noise on sensitive receptors. According to the international standards, the maximum allowable PPV (Peak Particle Velocity) value is 25, and according to the EIA of Batumi Bypass Road Project it is further limited to 5. As the discharge force is unchanged, vibration testing has been performed at various locations and ranges within the PPV-5 and is acceptable. No blasting works have been performed during the reporting period.

Table 11. Noise Measurement Results

Location	First Quarter 2024 Monitoring (max db)	Second Quarter 2024 Monitoring (max db)
Makhinjauri km 0+550	43.1 db 13:20 p.m.	39.1 db 15:20 p.m.
Makhinjauri km 1+950	44.2 db 13:00 p.m.	37.8 db 14:50 p.m.
Benze km 4+700	44.6 db 13:45 p.m.	46.0 db 14:25 p.m.
Makhvilauri km 11+500	42.7 db 14:50 p.m.	45.4 db 13:35 p.m.
Gordoki km 7+500	42.9 db 15:10 p.m.	39.5 db 14:00 p.m.

Georgian and IFC EHS noise standards indicate a 55 dB (A) limit for daytime and 45 dB (A) limit for nighttime noise levels. The noise measurement results in Table 11 are within both the permissible daytime and nighttime limits.

58. Certified laboratory LEPL “Laboratory Research Centre” has measured the parameters of atmospheric air and noise at the Contractor’s office/accommodation camp and several construction sites according to the construction activities. Results of tests are enclosed as **Annex 3** (Atmospheric Air Quality Monitoring Results) and **Annex 4** (Noise Monitoring Results) to the report.

Table 12. Summary of Air Quality Parameters Measured

59. Monitoring of atmospheric air quality took place on 01.03.2024 and 19.06.2024 at five Project locations.

Measurement was undertaken on 01/03/2024.

Measurement Parameter			Value	Source of Pollution
PM2.5 (µg/m3)	Allowable Concentration	24 Hour	25	Construction Works
	Result - Location N1	20 Minute	16	
	Result - Location N2	20 Minute	15	
	Result - Location N3	20 Minute	35	
	Result - Location N4	20 Minute	11	
	Result - Location N5	20 Minute	9	
PM10 (µg/m3)	Allowable Concentration	24 Hour	50	
	Result - Location N1	20 Minute	44	
	Result - Location N2	20 Minute	33	
	Result - Location N3	20 Minute	85	
	Result - Location N4	20 Minute	23	
	Result - Location N5	20 Minute	15	

Measurement was undertaken on 19/06/2024.

Measurement Parameter			Value	Source of Pollution
PM2.5 (µg/m3)	Allowable Concentration	24 Hour	25	Construction Works
	Result - Location N1	20 Minute	6	
	Result - Location N2	20 Minute	3	
	Result - Location N3	20 Minute	3	
	Result - Location N4	20 Minute	5	
	Result - Location N5	20 Minute	3	
PM10 (µg/m3)	Allowable Concentration	24 Hour	50	
	Result - Location N1	20 Minute	8	
	Result - Location N2	20 Minute	5	
	Result - Location N3	20 Minute	5	
	Result - Location N4	20 Minute	10	
	Result - Location N5	20 Minute	4	

60. Monitoring of air quality took place on 01.03.2024 and 19.06.2024 at five Project locations. Allowed Norms are based on World Health Organisation (PM2.5, PM10) and Georgian legislation (PM10).

61. Certified laboratory LTD “Eco-Spectri” has measured the parameters of air quality at the Contractor’s office/accommodation camp and several construction sites according to the

construction activities. Results of tests are enclosed as **Annex 2** [Air Quality Monitoring Results] to the report.

Table 13. Summary of Atmospheric Air Quality Parameters Measured

The measurement was made on 06/03/2024

No.	Parameter	Measurement results by Location				
		Makhinjauri 0+550	**Makhinjauri 1+950**	**Benze settlement 4+700**	**Gorodoki settlement 7+500**	**Batumi Makhvilauri 11+500**
1	Nitrogen dioxide (NO^2)	Not detected	Not detected	Not detected	Not detected	Not detected
2	Hydrogen sulfide (H_2S)	Not detected	Not detected	Not detected	Not detected	Not detected
3	Sulfur dioxide (SO^2)	Not detected	Not detected	Not detected	Not detected	Not detected
4	Carbon Oxide (CO)	Not detected	Not detected	Not detected	Not detected	Not detected
5	Dust	0.01 mg/m^3	0,02 mg/m^3	0,01 mg/m^3	0,01 mg/m^3	Not detected
6	Hydrocarbons (C_nH_m)	Not detected	Not detected	Not detected	Not detected	Not detected

The measurement was made on 04/06/2024

No.	Parameter	Measurement results by Location				
		Makhinjauri 0+550	**Makhinjauri 1+950**	**Benze settlement 4+700**	**Gorodoki settlement 7+500**	**Batumi Makhvilauri 11+500**
1	Nitrogen dioxide (NO^2)	0.01 mg/m^3	Not detected	Not detected	Not detected	Not detected
2	Hydrogen sulfide (H_2S)	Not detected	Not detected	Not detected	Not detected	Not detected
3	Sulfur dioxide (SO2)	Not detected	Not detected	Not detected	Not detected	Not detected
4	Carbon Oxide (CO)	Not detected	Not detected	Not detected	Not detected	Not detected
5	Dust	0.04 mg/m^3	0,03 mg/m^3	0,03 mg/m^3	0,04 mg/m^3	0,04 mg/m^3
6	Hydrocarbons (C_nH_m)	Not detected	Not detected	Not detected	Not detected	Not detected

4.2 Summary of Monitoring Outcomes

62. The current air quality monitoring results by the Contractor meet Georgian standards.

63. Noise and Water quality testing results meet the norms established by the legislation of Georgia and IFC standards.

4.3 Material Resources Mobilisation

64. Between January and June 2024, the Contractor (see Table 14) mobilized the following materials on site:

Table 14. Material Mobilization

N	MATERIALS	UNIT	QUANTITY
1	Gravel from Quarry Site	m³	0
2	Reinforcement steel	T	1564,7
3	Cement	T	11292,3
4	Additives	T	273
5	Explosives	T	0

65. The Contractor utilizes its Construction Campsite for the storage and utilization of scrap material. Periodically, the scrap material is sold to various companies based on the prevailing market price of metal. This approach demonstrates a systematic and economic approach to managing and repurposing construction-related waste.

4.4 Waste Management

66. The Contractor has prepared a detailed plan for Waste Management which includes an agreement with ''Sanitary'' Ltd for hazardous and non-hazardous waste, as well as an agreement with ''Sandasuftaveba'' Ltd for disposal of sewage water and household waste (see Table 15).

Table 15. Waste Management

Contractor data during the reporting period				
No.	**Domestic/Hazardous Waste and Sewage**	**Estimated Volume**	**Storage Area**	**Licensed Company**
1	Wastewater, including sewage	57 m^3	Camp septic tanks	"Sandasuftaveba" LTD
2	Domestic waste	143 m^3	Camp and Plant Yard wastebaskets	"Sandasuftaveba" LTD
3	Used tires	45 pcs	Workshop designated area	"Sanitary" LTD
4	Used batteries	92 pcs	Workshop designated area	"Sanitary" LTD
5	Hydraulic and used oil	352 liters	Oil Change designated area	"Sanitary" LTD
6	Paint and other chemicals	2.2 m^3	Workshop designated area	"Sanitary" LTD
7	Chemical additive tanks	35 pcs	Plant yard designated area	"Sanitary" LTD
8	Oil drums	42 pcs	Plant yard designated area	"Sanitary" LTD

9	Used food oil	32 liters	Camp separate wastebaskets	"Sanitary" LTD
10	Bulbs, cartridges	2 pc	Camp separate wastebaskets	"Sanitary" LTD
11	Medical waste	0.7 m^3	Camp separate wastebaskets	"Sanitary" LTD

67. The main source that generates a large amount of waste is earthworks, specifically: excavation of the soil and rock material excavated from the tunnels. Part of the material is used for temporary service roads and excess material is disposed to an approved dumpsite. Some material has also been temporarily stored under bridges until it can be used or is removed to the approved dumpsite.

68. The dumpsite area which is located at Airport and Kakhaberi settlement is agreed with the Ministry of Finance and Economy of Adjara on 19.11.2018 and a copy of the agreement was submitted to the Engineer.

4.5 Health and Safety

69. The Contractor has designated Mr. Ayaz Abdurahmanov as a full-time Accident Prevention Officer at the construction site. In this capacity, he assumes responsibility for ensuring safety and accident prevention measures are consistently maintained. Mr. Abdurahmanov is present on-site every day, actively contributing to the ongoing safety efforts and protocols.

70. The Contractor appointed Mr. Davit Metreveli and Mr. Levan Saginadze as HSE specialists.

4.5.1 Community and Worker Health and Safety

71. Descriptions of the incidents and accidents that occurred during the reporting period are provided in **Table 16.**

Table 16. Incidents and Accidents Log

N	DATE	DESCRIPTION	MEASURES TAKEN	FOLLOW UP
1	27.06.2024	While performing assigned duties, an employee experienced an incident involving a roll of electrical wires. Specifically, during the course of work, the roll of electrical wires rolled over the employee's foot, resulting in injury to his toes. The incident was caused by the fault of the employee, in particular, not wearing appropriate PPE (safety footwear).	In order to avoid similar incidents in the future, the employees should make sure to always wear PPE when performing their duties. The company has to provide instructions and trainings in order to raise awareness among the employees regarding the importance of wearing PPE.	Continues to work

72. Trends related to the incidents and accidents are outlined in **Table 17.**

Table 17. Health and Safety Trends

Incident	Reporting Period (January – June 2024)	Total (since start of Project)
Near Miss	0	7
Accident Minor	1	21
Accident Major	0	5
Incident Minor	0	11
Incident Major	0	7

4.6 Contractor's Training

73. In accordance with the SSEMP, quarterly training for AIDS and Hepatitis for employees was held on May 25, 2024.

74. The following HSE trainings were carried out during the reporting period: During the month of January: Introductory instruction, Purposeful use of Personal Protective Equipment, Consistent instruction, General rules of Labor Safety behaviour at the construction site, Labor safety training / instruction, condition recognition and inventory supply act; During the month of February: Introductory instruction, Purposeful use of Personal Protective Equipment, Consistent instruction, General rules of Labor Safety behaviour at the construction site, Labor safety training / instruction, condition recognition and inventory supply act; During the month of March: Health and Safety Protocol Training No. 22 (01.03.2024), Introductory instruction, Purposeful use of Personal Protective Equipment, Consistent instruction, General rules of Labor Safety behaviour at the construction site, Labor safety training / instruction, condition recognition and inventory supply act; During the month of April: Working At Height Instruction, First Aid Instruction, Safety Regulations Related To Welding Works, Use Of Electrical Tools, Action In Emergency Situations; During the month of May: Health and Safety Protocol Training No. 23 (25.05.2024), Introductory instruction, Purposeful use of Personal Protective Equipment, Consistent instruction, General rules of Labor Safety behaviour at the construction site, Labor safety training / instruction, condition recognition and inventory supply act, Co-responsibility form; During the month of June: Introductory instruction, Purposeful use of Personal Protective Equipment, Consistent instruction, General rules of Labor Safety behaviour at the construction site, Labor safety training / instruction, condition recognition and inventory supply act.

4.7 Community Consultation

75. In accordance with the requirements of the SSEMP and the Public Relations Plan (CLP), there was no need for a meeting with the public during the reporting period, therefore no public meeting was held.

4.8 Grievance Redress Mechanism and Complaints

76. A total of 232 persons have submitted grievances across 11 categories to the GRC. Out of these, 182 grievances have been resolved as of 30 June 2024. Most people (99) applied for damage to their assets caused by construction activities, out of which 62 have been closed. 42 APs requested inclusion of their residential structures or land plots in the acquisition list, out of which 41 cases are closed. 28 Aps expressed dissatisfaction due disturbance by noise/vibration and dust, out of which 17 cases closed. Left cases are indicated below in Table 18.

77. Cases from Tunnel blasting zones will be finalized upon completion of tunnel construction activities towards the end of the Project.

78. In the reporting period, there are two open issues of damage to infrastructure/assets, namely: N1. In April 2024, a Citizen claimed that the stored soil has slipped into her land plot. She requested the removing of the soil from her plot; N2. In April 2024, a Citizen claimed that based on verbal agreement between him and the Contractor, he provided opportunity to store soil in his land plot. Though, the Contractor was obliged to level the land plot after the completion of the construction works. For other details refer to **Table 18** below.

Table 18. Summary of Grievances by Category

Number of Complaints by Category	Closed	Technical Hold	Open	Total
Damage to Infrastructure / Assets	62	35	2	99
Crop Compensation	7	0	0	7
Other	16	1	0	17
Inclusion in LARP	41	1	0	42
Disturbance: Noise / Vibration / Dust	17	11	0	28
Restriction or loss of access	12	0	0	12
Recruitment / Employment	1	0	0	1
Loss of business	1	0	0	1
Compensation Rate	16	0	0	16
Registration / Ownership Status	7	0	0	7
HSE Concerns	0	0	0	0
Road Upgrading	2	0	0	2
Total	182	48	2	232

5 FUNCTIONING OF THE SSEMP

5.1 SSEMP Review

79. The original SSEMP was prepared by the Contractor and submitted to the Engineer on 30 May 2018 by letter GEO/BB/103-18 and was prepared in a good manner although with some inconsistencies. In March 2019 the Contractor submitted an updated SSEMP to the Engineer which considered ADB, RD and Engineer's comments. It included all aspects of project construction and construction sites, namely:

    - Soil Management Plan
    - Water Management Plan
    - Dust Management Plan
    - Noise & Vibration Management Plan
    - Waste Management Plan
    - Spoil Management Plan
    - Spill Prevention Management Plan
    - Borrow Pit Management Plan
    - Flora and Fauna Management Plan
    - Cultural and Archaeological Management Plan
    - Grievance Redress Mechanism.

80. As per Engineer's request (Letter Ref. 5015001/2/1138 dated 15 November 2019), the Contractor updated the SSEMP on 18.04.2021 and additionally prepared EMPs for the Stone Column area, No.2 Concrete Batching Plant and for each tunnel and bridge.

6 GOOD PRACTICE

6.1 Good Practice

81. The updated Compensatory Tree Planting Plan was submitted by the Contractor to the Engineer for review and approval on June 04, 2024. The Engineer, after reviewing the submitted updated Compensation Tree Planting Plan, submitted the Plan to the Employer for review and approval on June 07, 2024. The updated Compensatory Tree Planting Plan was approved by the Employer on June 11, 2024. The contractor continuously implements the quarterly monitoring provided by the SSEMP. All ENCRs from the previous reporting period are closed.

7 SUMMARY AND RECOMMENDATIONS

7.1 Summary

82. Throughout the reporting period, the contractor conducted the agreed-upon monitoring of air and water quality. The assessment included quarterly measurements of air quality, specifically focusing on particulate matter (PM 2.5 – PM 10), as well as regular monitoring of water quality. This proactive approach reflects the contractor's commitment to environmental stewardship and compliance with established monitoring protocols.

83. Effectively managed and resolved the majority of Non-Conformance Reports (ENCRs), resulting in their closure. This approach demonstrates the Contractor's commitment to rectifying identified issues and maintaining compliance with established standards. However, the Contractor needs to improve environmental management practices to prevent ENCRs from being issued in the first instance and to encourage, and where necessary, enforce good management practices by its employees. The contractor was instructed to implement a penalty system for personnel to prevent the recurrence of construction sites being littered with waste and to reduce the practice of recurring non-conformances.

7.2 Recommendations

84. Enhance the overall level of environmental management at construction sites to ensure adherence to environmental standards and regulations.

85. Implement proactive measures to augment staff training programs, particularly focusing on increasing environmental awareness. Topics should encompass waste management, optimal use and re-use of materials, and biodiversity protection through site rehabilitation and tree planting initiatives.

86. Enforce strict prohibitions and disciplinary measures against employees engaging in open-air burning of waste and improper pouring of concrete.

87. After the completion of the construction of the bridges, it is recommended that the remaining beam bearings/concrete blocks are given free of charge to the Adjara Sea and Riverbanks Protection Service for embankment stabilization works if the Contractor does not use them for their activities. Such an action will enhance the image of the Contractor's company as an environmentally friendly entity.

88. Develop and submit a noise barrier design/plan, along with costings, and implement noise protection measures to mitigate the impact of noise during Project operation. The Engineer is yet to receive submittal of technical and financial proposals for review regarding landscaping of steep slopes and Tunnel portals.

ANNEX 1 PROJECT PHOTOS

Photo No. 1– Construction camp site

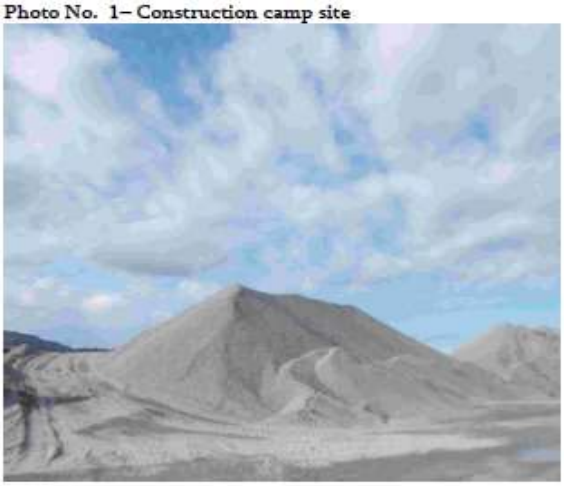


Photo No. 2– Construction camp site

Photo No. 3– Construction camp site

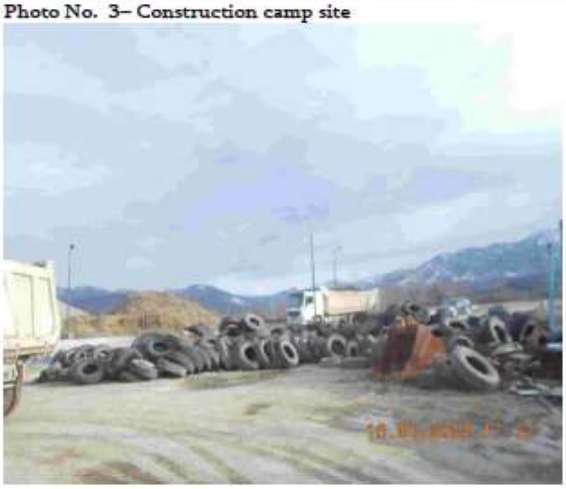


Photo No. 4– Earth road

Photo No. 5- Bridge No. 10 shoulder and sidewalk

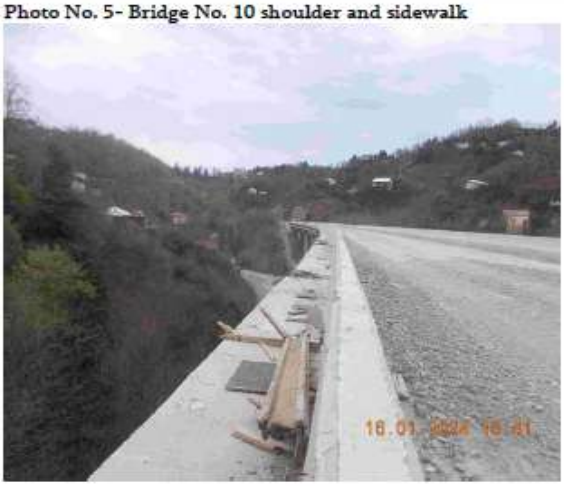


Photo No. 6- Tunnel No. 2 Exit portal

Photo No. 7- Excavated soil and rock material placed under bridges

Photo No. 8- Near the Interchange No. 4.

Photo No. 9- Near the Interchange No. 4.

Photo No. 10- Near the Interchange No. 4.

Photo No. 11- Contractor's office and living campsite area

Photo No. 12- Tunnel No. 3 Entrance portal

ANNEX 2 RESULTS OF AIR QUALITY (PM 2.5 AND PM 10) MEASUREMENTS

The measurement was made on 01/03/2024.

N1 Point			
Index	Date Time	PM10 (µg/m3)	PM2,5 (µg/m3)
1	1 Mar 2024 17:10	35	15
2	1 Mar 2024 17:11	32	15
3	1 Mar 2024 17:12	30	17
4	1 Mar 2024 17:13	30	17
5	1 Mar 2024 17:14	26	14
6	1 Mar 2024 17:15	24	14
7	1 Mar 2024 17:16	97	18
8	1 Mar 2024 17:17	30	14
9	1 Mar 2024 17:18	25	13
10	1 Mar 2024 17:19	16	13
11	1 Mar 2024 17:20	30	14
12	1 Mar 2024 17:21	22	10
13	1 Mar 2024 17:22	26	11
14	1 Mar 2024 17:23	70	18
15	1 Mar 2024 17:24	30	14
16	1 Mar 2024 17:25	57	15
17	1 Mar 2024 17:26	94	20
18	1 Mar 2024 17:27	55	15
19	1 Mar 2024 17:28	40	13
20	1 Mar 2024 17:29	101	38
20 min. Average		44	16

N2 Point			
Index	Date Time	PM10 (µg/m3)	PM2,5 (µg/m3)
21	1 Mar 2024 16:13	92	41
22	1 Mar 2024 16:14	20	10
23	1 Mar 2024 16:15	19	9
24	1 Mar 2024 16:16	52	43
25	1 Mar 2024 16:17	30	11
26	1 Mar 2024 16:18	18	9
27	1 Mar 2024 16:19	22	10
28	1 Mar 2024 16:20	46	13
29	1 Mar 2024 16:21	26	11
30	1 Mar 2024 16:22	20	11
31	1 Mar 2024 16:23	23	11
32	1 Mar 2024 16:24	42	14
33	1 Mar 2024 16:25	59	17
34	1 Mar 2024 16:26	23	13
35	1 Mar 2024 16:27	20	15
36	1 Mar 2024 16:28	31	13
37	1 Mar 2024 16:29	23	12

N2 Point			
Index	Date Time	PM10 (µg/m3)	PM2,5 (µg/m3)
38	1 Mar 2024 16:30	40	15
39	1 Mar 2024 16:31	41	15
40	1 Mar 2024 16:32	21	12
20 min. Average		33	15

N3 Point			
Index	Date Time	PM10 (µg/m3)	PM2,5 (µg/m3)
41	1 Mar 2024 15:35	42	21
42	1 Mar 2024 15:36	39	16
43	1 Mar 2024 15:37	94	27
44	1 Mar 2024 15:38	61	28
45	1 Mar 2024 15:39	72	59
46	1 Mar 2024 15:40	88	74
47	1 Mar 2024 15:41	138	81
48	1 Mar 2024 15:42	88	65
49	1 Mar 2024 15:43	103	62
50	1 Mar 2024 15:44	52	36
51	1 Mar 2024 15:45	29	21
52	1 Mar 2024 15:46	32	21
53	1 Mar 2024 15:47	55	23
54	1 Mar 2024 15:48	27	13
55	1 Mar 2024 15:49	508	69
56	1 Mar 2024 15:50	87	21
57	1 Mar 2024 15:51	30	15
58	1 Mar 2024 15:52	90	21
59	1 Mar 2024 15:53	24	13
60	1 Mar 2024 15:54	50	16
20 min. Average		85	35

N4 Point			
Index	Date Time	PM10 (µg/m3)	PM2,5 (µg/m3)
61	1 Mar 2024 14:56	28	12
62	1 Mar 2024 14:57	26	10
63	1 Mar 2024 14:58	22	11
64	1 Mar 2024 14:59	14	10
65	1 Mar 2024 15:00	14	10
66	1 Mar 2024 15:01	30	11
67	1 Mar 2024 15:02	16	10
68	1 Mar 2024 15:03	22	11
69	1 Mar 2024 15:04	19	10
70	1 Mar 2024 15:05	17	11
71	1 Mar 2024 15:06	21	11

N4 Point			
Index	Date Time	PM10 (µg/m3)	PM2,5 (µg/m3)
72	1 Mar 2024 15:07	18	10
73	1 Mar 2024 15:08	19	10
74	1 Mar 2024 15:09	18	11
75	1 Mar 2024 15:10	21	10
76	1 Mar 2024 15:11	25	10
77	1 Mar 2024 15:12	16	11
78	1 Mar 2024 15:13	47	15
79	1 Mar 2024 15:14	16	10
80	1 Mar 2024 15:15	54	14
20 min. Average		23	11

N5 Point			
Index	Date Time	PM10 (µg/m3)	PM2,5 (µg/m3)
81	1 Mar 2024 14:28	10	8
82	1 Mar 2024 14:29	16	10
83	1 Mar 2024 14:30	13	8
84	1 Mar 2024 14:31	10	8
85	1 Mar 2024 14:32	19	8
86	1 Mar 2024 14:33	15	9
87	1 Mar 2024 14:34	25	15
88	1 Mar 2024 14:35	10	8
89	1 Mar 2024 14:36	16	9
90	1 Mar 2024 14:37	12	9
91	1 Mar 2024 14:38	17	9
92	1 Mar 2024 14:39	15	9
93	1 Mar 2024 14:40	11	8
94	1 Mar 2024 14:41	18	9
95	1 Mar 2024 14:42	13	10
96	1 Mar 2024 14:43	13	8
97	1 Mar 2024 14:44	13	8
98	1 Mar 2024 14:45	16	9
99	1 Mar 2024 14:46	14	10
100	1 Mar 2024 14:47	22	10
20 min. Average		15	9

The measurement was made on 19/06/2024.

N1 Point			
Index	Date Time	PM10 (µg/m3)	PM2,5 (µg/m3)
1	19 Jun 2024 18:01	6	4
2	19 Jun 2024 18:02	5	4
3	19 Jun 2024 18:03	7	4
4	19 Jun 2024 18:04	4	4
5	19 Jun 2024 18:05	6	4
6	19 Jun 2024 18:06	6	3
7	19 Jun 2024 18:07	5	3
8	19 Jun 2024 18:08	7	3
9	19 Jun 2024 18:09	6	3
10	19 Jun 2024 18:10	4	3
11	19 Jun 2024 18:11	10	6
12	19 Jun 2024 18:12	24	16
13	19 Jun 2024 18:13	6	5
14	19 Jun 2024 18:14	6	7
15	19 Jun 2024 18:15	8	9
16	19 Jun 2024 18:16	25	26
17	19 Jun 2024 18:17	5	3
18	19 Jun 2024 18:18	6	3
19	19 Jun 2024 18:19	8	3
20	19 Jun 2024 18:20	4	3
20 min. Average		8	6

N2 Point			
Index	Date Time	PM10 (µg/m3)	PM2,5 (µg/m3)
21	19 Jun 2024 17:23	5	3
22	19 Jun 2024 17:24	8	3
23	19 Jun 2024 17:25	5	3
24	19 Jun 2024 17:26	5	3
25	19 Jun 2024 17:27	5	3
26	19 Jun 2024 17:28	3	3
27	19 Jun 2024 17:29	5	3
28	19 Jun 2024 17:30	4	3
29	19 Jun 2024 17:31	8	3
30	19 Jun 2024 17:32	5	3
31	19 Jun 2024 17:33	5	3
32	19 Jun 2024 17:34	6	3
33	19 Jun 2024 17:35	3	3
34	19 Jun 2024 17:36	3	3
35	19 Jun 2024 17:37	4	3
36	19 Jun 2024 17:38	4	3
37	19 Jun 2024 17:39	5	3

N2 Point			
Index	Date Time	PM10 (µg/m3)	PM2,5 (µg/m3)
38	19 Jun 2024 17:40	3	2
39	19 Jun 2024 17:41	7	3
40	19 Jun 2024 17:42	5	3
20 min. Average		5	3

N3 Point			
Index	Date Time	PM10 (µg/m3)	PM2,5 (µg/m3)
41	19 Jun 2024 16:04	5	3
42	19 Jun 2024 16:05	5	4
43	19 Jun 2024 16:06	6	4
44	19 Jun 2024 16:07	7	4
45	19 Jun 2024 16:08	5	5
46	19 Jun 2024 16:09	7	6
47	19 Jun 2024 16:10	6	4
48	19 Jun 2024 16:11	3	3
49	19 Jun 2024 16:12	3	3
50	19 Jun 2024 16:13	6	3
51	19 Jun 2024 16:14	4	3
52	19 Jun 2024 16:15	5	3
53	19 Jun 2024 16:16	4	3
54	19 Jun 2024 16:17	5	3
55	19 Jun 2024 16:18	5	3
56	19 Jun 2024 16:19	8	3
57	19 Jun 2024 16:20	4	3
58	19 Jun 2024 16:21	3	3
59	19 Jun 2024 16:22	6	3
60	19 Jun 2024 16:23	6	3
20 min. Average		5	3

N4 Point			
Index	Date Time	PM10 (µg/m3)	PM2,5 (µg/m3)
61	19 Jun 2024 15:23	7	4
62	19 Jun 2024 15:24	5	4
63	19 Jun 2024 15:25	18	4
64	19 Jun 2024 15:26	5	3
65	19 Jun 2024 15:27	4	3
66	19 Jun 2024 15:28	8	3
67	19 Jun 2024 15:29	6	3
68	19 Jun 2024 15:30	4	3
69	19 Jun 2024 15:31	53	38
70	19 Jun 2024 15:32	6	4
71	19 Jun 2024 15:33	4	3

N4 Point			
Index	Date Time	PM10 (µg/m3)	PM2,5 (µg/m3)
72	19 Jun 2024 15:34	5	3
73	19 Jun 2024 15:35	4	3
74	19 Jun 2024 15:36	3	3
75	19 Jun 2024 15:37	5	3
76	19 Jun 2024 15:38	6	4
77	19 Jun 2024 15:39	25	5
78	19 Jun 2024 15:40	6	3
79	19 Jun 2024 15:41	3	3
80	19 Jun 2024 15:42	20	5
20 min. Average		10	5

N5 Point			
Index	Date Time	PM10 (µg/m3)	PM2,5 (µg/m3)
81	19 Jun 2024 14:50	4	3
82	19 Jun 2024 14:51	3	3
83	19 Jun 2024 14:52	3	3
84	19 Jun 2024 14:53	3	2
85	19 Jun 2024 14:54	5	3
86	19 Jun 2024 14:55	3	3
87	19 Jun 2024 14:56	5	2
88	19 Jun 2024 14:57	3	3
89	19 Jun 2024 14:58	4	2
90	19 Jun 2024 14:59	4	3
91	19 Jun 2024 15:00	4	3
92	19 Jun 2024 15:01	2	3
93	19 Jun 2024 15:02	4	3
94	19 Jun 2024 15:03	5	5
95	19 Jun 2024 15:04	5	3
96	19 Jun 2024 15:05	4	3
97	19 Jun 2024 15:06	4	3
98	19 Jun 2024 15:07	5	3
99	19 Jun 2024 15:08	5	3
100	19 Jun 2024 15:09	3	3
20 min. Average		4	3

ANNEX 3 RESULTS OF ATMOSPHERIC AIR MEASUREMENTS

GEORGIA
AUTONOMOUS REPUBLIC OF ADJARA
MINISTRY OF AGRICULTURE
LEPL "LABORATORY RESEARCH CENTRE"
46, SVISHEVSKY ST.
BATUMI 6010,
TEL.: + 995 (0422) 25 23 68
Mail: [illegible]

The testing laboratory of the SH Laboratory Research Center is accredited by the SAK for compliance with the ISO/IEC 17025:2017/2018 standard, accreditation certificate No. GAC-TL-0308

The Protocol of the Test N 9495

Date 07.03.2024

Name of the customer and contact information: Branch of foreign enterprise „JSC Polat Yol Yapi Sanayi Ve Ticaret" in Georgia.

Description of the samples, condition: Atmospheric air

The place of sampling, date: Batumi, Makhinjauri 6-550 06.03.2024 13:00

Method of sampling and/or transportation: The sample is taken accordingly a specialist of LEPL – Laboratory Research Center, who is responsible for sampling and transportation.

Date of sample entry in the laboratory: 06.03.2024 16:00

Place and date of performance of laboratory activities: Batumi, Makhinjauri 6-550 06.03.2024 and SH Laboratory Research Center, Batumi, Sviduvsky 9/40 06.03.23024-07.03.2024

Sample № (Identification)	Research parameter	Measurement result	Method of research
Registration: N 9495 Act N 9137	nitrogen dioxide (NO2)	Not detected	Technical Regulation No. 435 manufacturer's instructions
	hydrogen sulfide (H2S)	Not detected	Technical Regulation No. 435 manufacturer's instructions
	Sulfur dioxide (SO2)	Not detected	Technical Regulation No. 435 manufacturer's instructions
	carbon dioxide (CO)	Not detected	Technical Regulation No. 435 manufacturer's instructions
	Dust	0,01	GOST 17.2.4.05-83 Manufacturer's instructions
	Hydrocarbon group (benzene - C6H6)	Not detected	Manufacturer's instructions

Responsible performer specialist: S.Gavrilenko

Head of the Testing Laboratory: K.Kupatadze

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Mail: [illegible]

The testing laboratory of the SH Laboratory Research Center is accredited by the SAK for compliance with the ISO/IEC 17025:2017/2018 standard, accreditation certificate No. GAC-TL-0308

The Protocol of the Test N 9496

Date 07.03.2024

Name of the customer and contact information: Branch of foreign enterprise „JSC Polat Yol Yapi Sanayi Ve Ticaret" in Georgia.

Description of the samples, condition: Atmospheric air

The place of sampling, date: Batumi, Makhinjauri 1-950 06.03.2024 13:20

Method of sampling and/or transportation: The sample is taken accordingly a specialist of LEPL – Laboratory Research Center, who is responsible for sampling and transportation.

Date of sample entry in the laboratory: 06.03.2024 16:00

Place and date of performance of laboratory activities: Batumi, Makhinjauri 1-950 06.03.2024 and SH Laboratory Research Center, Batumi, Sviduvsky 9/40 06.03.23024-07.03.2024

Sample № (Identification)	Research parameter	Measurement result	Method of research
Registration: N 9496 Act N 9138	nitrogen dioxide (NO2)	Not detected	Technical Regulation No. 435 manufacturer's instructions
	hydrogen sulfide (H2S)	Not detected	Technical Regulation No. 435 manufacturer's instructions
	Sulfur dioxide (SO2)	Not detected	Technical Regulation No. 435 manufacturer's instructions
	carbon dioxide (CO)	Not detected	Technical Regulation No. 435 manufacturer's instructions
	Dust	0,02	GOST 17.2.4.05-83 Manufacturer's instructions
	Hydrocarbon group (benzene - C6H6)	Not detected	Technical Regulation No. 435 manufacturer's instructions

Responsible performer specialist: S.Gavrilenko

Head of the Testing Laboratory: K.Kupatadze

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The Protocol of the Test N 9497

Date 07.03.2024

Name of the customer and contact information: Branch of foreign enterprise „JSC Polat Yol Yapi Sanayi Ve Ticaret" in Georgia.

Description of the samples, condition: Atmospheric air

The place of sampling, date: Batumi, Beton settlement 4-700 06.03.2024 13:45

Method of sampling and/or transportation: The sample is taken accordingly a specialist of LEPL – Laboratory Research Center, who is responsible for sampling and transportation.

Date of sample entry in the laboratory: 06.03.2024 16:00

Place and date of performance of laboratory activities: Batumi, Beton settlement 4-700 06.03.2024 and SH Laboratory Research Center, Batumi, Sviduvsky 9/40 06.03.23024-07.03.2024

Sample № (Identification)	Research parameter	Measurement result	Method of research
Registration: N 9497 Act N 9139	nitrogen dioxide (NO2)	Not detected	Technical Regulation No. 435 manufacturer's instructions
	hydrogen sulfide (H2S)	Not detected	Technical Regulation No. 435 manufacturer's instructions
	Sulfur dioxide (SO2)	Not detected	Technical Regulation No. 435 manufacturer's instructions
	carbon dioxide (CO)	Not detected	Technical Regulation No. 435 manufacturer's instructions
	Dust	0,05	GOST 17.2.4.05-83 Manufacturer's instructions
	Hydrocarbon group (benzene - C6H6)	Not detected	Technical Regulation No. 435 manufacturer's instructions

Responsible performer specialist: S.Gavrilenko

Head of the Testing Laboratory: K.Kupatadze

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The Protocol of the Test 39498

Date:07.03.2024

Name of the customer and contact information: Branch of foreign enterprise „JSC Polat Yol Yapi Sanayi Ve Ticaret" in Georgia
Description of the samples, condition: Atmospheric air
The place of sampling, date: Batumi, Makhvilauri 11-500 06.03.2024 14:50
Method of sampling and/or transportation: The sample is taken accordingly a specialist of LEPL – Laboratory Research Center, who is responsible for sampling and transportation.
Date of sample entry in the laboratory: 06.03.2024 16:00
Place and date of performance of laboratory activities: Batumi, Makhvilauri 11-500 06.03.2024 and SSI Laboratory Research Center, Batumi, Svishevsky N80 06.03.2024-07.03.2024

Sample № (Identification)	Research parameter	Measurement result	Method of research
Registration 39498 Act 39148	nitrogen dioxide (NO2)	Not detected	Technical Regulation No. 435 manufacturer's instructions
	hydrogen sulfide (H2S)	Not detected	Technical Regulation No. 435 manufacturer's instructions
	Sulfur dioxide (SO2)	Not detected	Technical Regulation No. 435 manufacturer's instructions
	carbon dioxide (CO)	Not detected	Technical Regulation No. 435 manufacturer's instructions
	Dust	Not detected	GOST 17.2.4.05-83 Manufacturer's instructions
	Hydrocarbon group (benzene - C6H6)	Not detected	Technical Regulation No. 435 manufacturer's instructions

Responsible performer specialist: S.Giorkhelidze

Head of the Testing Laboratory K.Kupatadze

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The Protocol of the Test 39499

Date:07.03.2024

Name of the customer and contact information: Branch of foreign enterprise „JSC Polat Yol Yapi Sanayi Ve Ticaret" in Georgia
Description of the samples, condition: Atmospheric air
The place of sampling, date: Batumi, Gorodoki 7-500 06.03.2024 15:30
Method of sampling and/or transportation: The sample is taken accordingly a specialist of LEPL – Laboratory Research Center, who is responsible for sampling and transportation.
Date of sample entry in the laboratory: 06.03.2024 16:00
Place and date of performance of laboratory activities: Batumi, Gorodoki 7-500 06.03.2024 and SSI Laboratory Research Center, Batumi, Svishevsky N80 06.03.2024-07.03.2024

Sample № (Identification)	Research parameter	Measurement result	Method of research
Registration 39499 Act 39141	nitrogen dioxide (NO2)	Not detected	Technical Regulation No. 435 manufacturer's instructions
	hydrogen sulfide (H2S)	Not detected	Technical Regulation No. 435 manufacturer's instructions
	Sulfur dioxide (SO2)	Not detected	Technical Regulation No. 435 manufacturer's instructions
	carbon dioxide (CO)	Not detected	Technical Regulation No. 435 manufacturer's instructions
	Dust	0.01	GOST 17.2.4.05-83 Manufacturer's instructions
	Hydrocarbon group (benzene - C6H6)	Not detected	Technical Regulation No. 435 manufacturer's instructions

Responsible performer specialist: S.Giorkhelidze

Head of the Testing Laboratory K.Kupatadze

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The Protocol of the Test 391424

Date:05.06.2024

Name of the customer and contact information: Branch of foreign enterprise „JSC Polat Yol Yapi Sanayi Ve Ticaret" in Georgia
Description of the samples, condition: Atmospheric air
The place of sampling, date: Batumi, Makhvilauri 11-500 05.06.2024 13:35
Method of sampling and/or transportation: The sample is taken accordingly a specialist of LEPL – Laboratory Research Center, who is responsible for sampling and transportation.
Date of sample entry in the laboratory: 04.06.2024 17:30
Place and date of performance of laboratory activities: Batumi, Makhvilauri 11-500 SSI Laboratory Research Center, Batumi, Svishevsky N80 04.06.2024 - 05.06.2024

Sample № (Identification)	Research parameter	Measurement result	Method of research
Registration 391424 Act 39289	nitrogen dioxide (NO2)	Not detected	Technical Regulation No. 435 manufacturer's instructions
	hydrogen sulfide (H2S)	Not detected	Technical Regulation No. 435 manufacturer's instructions
	Sulfur dioxide (SO2)	Not detected	Technical Regulation No. 435 manufacturer's instructions
	carbon dioxide (CO)	Not detected	Technical Regulation No. 435 manufacturer's instructions
	Dust	0.04	GOST 17.2.4.05-83 Manufacturer's instructions
	Hydrocarbon group (benzene - C6H6)	Not detected	Technical Regulation No. 435 manufacturer's instructions

Responsible performer specialist: S. Giorkhelidze

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The Protocol of the Test № 1425

Date 05.06.2024

Name of the customer and contact information: Branch of foreign enterprise „JSC Polat Yol Yapi Sanayi Ve Ticaret" in Georgia.

Description of the samples, condition: Atmospheric air

The place of sampling, date: Batumi, Gorgiladi 7+500 05.06.2024 14:00

Method of sampling and/or transportation: The sample is taken accordingly a specialist of LEPL – Laboratory Research Center, who is responsible for sampling and transportation.

Date of sample entry in the laboratory: 04.06.2024 17:30

Place and date of performance of laboratory activities: Batumi, Gorgiladi 7+500 SRI Laboratory Research Center, Batumi, Svishevsky 39/80 04.06.2024 - 05.06.2024

Sample № (Identification)	Research parameter	Measurement result	Method of research
Registration № 1425 Act № 290	nitrogen dioxide (NO2)	Not detected	Technical Regulation No. 435 manufacturer's instructions
	hydrogen sulfide (H2S)	Not detected	Technical Regulation No. 435 manufacturer's instructions
	Sulfur dioxide (SO2)	Not detected	Technical Regulation No. 435 manufacturer's instructions
	carbon dioxide (CO)	Not detected	Technical Regulation No. 435 manufacturer's instructions
	Dust	0.04	GOST 17.2.4.05-83 Manufacturer's instructions
	Hydrocarbon group (benzene - C6H6)	Not detected	Technical Regulation No. 435 manufacturer's instructions

Responsible performer specialist: S. Gionelidze

Head of the Testing Laboratory K.Kupatadze

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The Protocol of the Test № 1426

Date 05.06.2024

Name of the customer and contact information: Branch of foreign enterprise „JSC Polat Yol Yapi Sanayi Ve Ticaret" in Georgia.

Description of the samples, condition: Atmospheric air

The place of sampling, date: Batumi, Beroe settlement 4+700 05.06.2024 14:25

Method of sampling and/or transportation: The sample is taken accordingly a specialist of LEPL – Laboratory Research Center, who is responsible for sampling and transportation.

Date of sample entry in the laboratory: 04.06.2024 17:30

Place and date of performance of laboratory activities: Batumi, Beroe settlement 4+700 SRI Laboratory Research Center, Batumi, Svishevsky 39/80 04.06.2024-05.06.2024

Sample № (Identification)	Research parameter	Measurement result	Method of research
Registration № 1426 Act № 291	nitrogen dioxide (NO2)	Not detected	Technical Regulation No. 435 manufacturer's instructions
	hydrogen sulfide (H2S)	Not detected	Technical Regulation No. 435 manufacturer's instructions
	Sulfur dioxide (SO2)	Not detected	Technical Regulation No. 435 manufacturer's instructions
	carbon dioxide (CO)	Not detected	Technical Regulation No. 435 manufacturer's instructions
	Dust	0.03	GOST 17.2.4.05-83 Manufacturer's instructions
	Hydrocarbon group (benzene - C6H6)	Not detected	Technical Regulation No. 435 manufacturer's instructions

Responsible performer specialist: S. Gionelidze

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The Protocol of the Test № 1427

Date 05.06.2024

Name of the customer and contact information: Branch of foreign enterprise „JSC Polat Yol Yapi Sanayi Ve Ticaret" in Georgia.

Description of the samples, condition: Atmospheric air

The place of sampling, date: Batumi, Makhinjauri 1+950 05.06.2024 14:50

Method of sampling and/or transportation: The sample is taken accordingly a specialist of LEPL – Laboratory Research Center, who is responsible for sampling and transportation.

Date of sample entry in the laboratory: 04.06.2024 17:30

Place and date of performance of laboratory activities: Batumi, Makhinjauri 1+950 SRI Laboratory Research Center, Batumi, Svishevsky 39/80 04.06.2024 05.06.2024

Sample № (Identification)	Research parameter	Measurement result	Method of research
Registration № 1427 Act № 292	nitrogen dioxide (NO2)	Not detected	Technical Regulation No. 435 manufacturer's instructions
	hydrogen sulfide (H2S)	Not detected	Technical Regulation No. 435 manufacturer's instructions
	Sulfur dioxide (SO2)	Not detected	Technical Regulation No. 435 manufacturer's instructions
	carbon dioxide (CO)	Not detected	Technical Regulation No. 435 manufacturer's instructions
	Dust	0.03	GOST 17.2.4.05-83 Manufacturer's instructions
	Hydrocarbon group (benzene - C6H6)	Not detected	Technical Regulation No. 435 manufacturer's instructions

Responsible performer specialist: S. Gionelidze

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The Protocol of the Test №1429

Data 05.06.2024

Name of the customer and contact information: Branch of foreign enterprise „JSC Polat Yol Yapi Sanayi Ve Ticaret" in Georgia.

Description of the samples, condition: Atmospheric air

The place of sampling, date: Batumi, Makhinjauri 0+550 05.06.2024 15:20

Method of sampling and its transportation: The sample is taken accordingly a specialist of LEPL – Laboratory Research Center, who is responsible for sampling and transportation.

Date of sample entry in the laboratory: 04.06.2024 17:30

Place and date of performance of laboratory activities: Batumi, Makhinjauri 0+550 and SSI Laboratory Research Center, Batumi, Swirshevsky 30/80 04.06.2024 -05.06.2024

Sample № (Identification)	Research parameter	Measurement result	Method of research
Registration №1429 Act №293	nitrogen dioxide (NO_2)	0.01	Technical Regulation No. 435 manufacturer's instructions
	hydrogen sulfide (H_2S)	Not detected	Technical Regulation No. 435 manufacturer's instructions
	Sulfur dioxide (SO_2)	Not detected	Technical Regulation No. 435 manufacturer's instructions
	carbon dioxide (CO)	Not detected	Technical Regulation No. 435 manufacturer's instructions
	Dust	0.04	GOST 17.2.4.05-83
	Hydrocarbon group (benzene - C_6H_6)	Not detected	Manufacturer's instructions

Responsible performer specialist: S. Gorgelidze

Head of the Testing Laboratory K.Kupatadze

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ANNEX 4 RESULTS OF NOISE MONITORING

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The Protocol of the Test №500

Data:07.03.2024

Name of the customer and contact information: Branch of foreign enterprise „JSC Polat Yol Yapi Sanayi Ve Ticaret" in Georgia.

Determination of the research (measurement) object: Noise level

Place of measurement (performance of laboratory activities), date: Batumi, Opizreb Street No. 97 06.03.2024

Measurement area	Features	Test result (Sounds max. level LA max. db A	Test result
Nera Makhvilauri school 15m 14:50	non-constant, fluctuating in time,Intermittent noise	42.7 db	COST 23337-14
Gorodoki settlement 10m 15:10	non-constant, fluctuating in time,Intermittent noise	42.9 db	COST 23337-14
Benza settlement 20m 13:45	non-constant, fluctuating in time,Intermittent noise	44.6 db	COST 23337-14
Makhinjauri settelment 15m 13:00	non-constant, fluctuating in time,Intermittent noise	44.2 db	COST 23337-14
Makhinjauri settelment 10m 13:20	non-constant, fluctuating in time,Intermittent noise	43.1 db	COST 23337-14

Responsible performer specialist: S.Gioxhelidze

Head of the Testing Laboratory: K.Kupatadze

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The Protocol of the Test №1423

Data:05.06.2024

Name of the customer and contact information: Branch of foreign enterprise „JSC Polat Yol Yapi Sanayi Ve Ticaret" in Georgia.

Determination of the research (measurement) object: Noise level

Place of measurement (performance of laboratory activities), date: Batumi, Opizreb Street No. 97 04.06.2024

Measurement area	Features	Test result (Sounds max. level LA max. db A	Test result
Nera Makhvilauri school 15m 13:35	non-constant, fluctuating in time,Intermittent noise	45.4 db	COST 23337-14
Gorodoki settlement 20m 14:00	non-constant, fluctuating in time,Intermittent noise	39.5 db	COST 23337-14
Benza settlement 20m 14:25	non-constant, fluctuating in time,Intermittent noise	46.0 db	COST 23337-14
Makhinjauri settelment 15m 14:50	non-constant, fluctuating in time,Interminent noise	37.8 db	COST 23337-14
Makhinjauri settelment 10m 15:20	non-constant, fluctuating in time,Interminent noise	39.1 db	COST 23337-14

Results are Applicablee only to the sample(s) presented :

Responsible performer specialist: S.Gioxelidze

Head of the Testing Laboratory: K.Kupatadze

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ANNEX 5. WATER QUALITY MONITORING RESULTS

The measurement was made on 06/03/2024 and on 04/06/2024

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The Protocol of the Test №490

Date: 13.03.2024

Name of the customer and contact information: Branch of foreign enterprise „JSC Polat Yol Yapi Sanayi Ve Ticaret" in Georgia.

Description of the samples, condition: River water 3L in Plastic Bottle

Place of taking the examination sample (s), date: Batumi Makhinjauri 0+550 pk. Makhinjauri river 06.03.2024 13:00-13:30

Method of taking and / or transporting the test sample (s): "Wastewater Sampling Procedure". Resolution of the Government of Georgia No. 26, January 3, 2014.

Date of taking the examination sample (s): 06.03.2024 16:00

Location and date of laboratory activity: LEPL Laboratory Research Center Batumi 6010 Svishevski st No. 06.03.2024 - 13.03.2024

Sample № (Identification)	Research parameter	Measurement result	Method of research
Registration №490 Protocol of the Test №132	Chlorides	8,2 mg/l	ISO 9297-2008
	Sulfates	8,3 mg/l	GOST 31940-2012
	Polyphosphate	<0,01 mg/l	GOST 18309-2014
	Nitrates	0,25 mg/l ± Δ 0,05 mg/l	GOST 33045-2014
	Alkalinity	1,0 mmol/dm³	GOST 31957-2012
	The Lead	0,002 mg/l	GOST 31870-2012
	Zinc	0,08 mg/l	GOST 31870-2012

Results are given only for the sample (s) submitted

Responsible Persons: T. Tavdgiridze L.Verulidze

I Head of structural department: K.Kopaladze

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The Protocol of the Test №491

Date: 13.03.2024

Name of the customer and contact information: Branch of foreign enterprise „JSC Polat Yol Yapi Sanayi Ve Ticaret" in Georgia.

Description of the samples, condition: River water 3L in Plastic Bottle

Place of taking the examination sample (s), date: Batumi, Makhinjauri river 1+550 pk. River Makhinjauri 06.03.2024-13.03.2024

Method of taking and / or transporting the test sample (s): "Wastewater Sampling Procedure". Resolution of the Government of Georgia No. 26, January 3, 2014.

Date of taking the examination sample (s): 06.03.2024 16:00

Location and date of laboratory activity: LEPL Laboratory Research Center Batumi 6010. Svishevski st No. 80 06.03.2024 - 13.03.2024

Sample № (Identification)	Research parameter	Measurement result	Method of research
Registration №491 Protocol of the Test №120	Chlorides	5,6 mg/l	ISO 9297-2008
	Sulfates	11,5 mg/l	GOST 31940-2012
	Polyphosphate	<0,01 mg/l	GOST 18309-2014
	Nitrates	0,22 mg/l ± Δ 0,04 mg/l	GOST 33045-2014
	Alkalinity	1,3 mmol/dm³	GOST 31957-2012
	The Lead	0,001 mg/l	GOST 31870-2012
	Zinc	0,06 mg/l	GOST 31870-2012

Results are given only for the sample (s) submitted

Responsible Persons: T. Tavdgiridze L.Verulidze

I Head of structural department: K.Kopaladze

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The Protocol of the Test №494

Date: 13.03.2024

Name of the customer and contact information: Branch of foreign enterprise „JSC Polat Yol Yapi Sanayi Ve Ticaret" in Georgia.

Description of the samples, condition: River water 3L in Plastic Bottle

Place of taking the examination sample (s), date: Batumi, Gorodoki settlement km 7+500 River Akhalsheni 06.03.2024 15:10-15:20

Method of taking and / or transporting the test sample (s): "Wastewater Sampling Procedure". Resolution of the Government of Georgia No. 26, January 3, 2014.

Date of taking the examination sample (s): 06.03.2024 16:00

Location and date of laboratory activity: LEPL Laboratory Research Center Batumi 6010. Svishevski st No. 80 06.03.2024—13.03.2024

Sample № (Identification)	Research parameter	Measurement result	Method of research
Registration №494 Protocol of the Test №136	Chlorides	7,79 mg/l	ISO 9297-2008
	Sulfates	10,0 mg/l	GOST 31940-2012
	Polyphosphate	<0,01 mg/l	GOST 18309-2014
	Nitrates	<0,1 mg/l	GOST 33045-2014
	Alkalinity	0,21 mg/l ± Δ 0,04 mg/l	GOST 31957-2012
	The Lead	0,001 mg/l	GOST 31870-2012
	Zinc	0,07 mg/l	GOST 31870-2012

Results are given only for the sample (s) submitted

Responsible Persons: T. Tavdgiridze L.Verulidze

I Head of structural department: K.Kopaladze

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80, SVIBIDYSKY ST.
BATUMI, 6010.
TEL: + 995 (34 22) 25 13 68
Mail:

The testing laboratory of the SH Laboratory Research Center is accredited by the SAK On compliance with ISO/IEC 17025:2017/2018 standard, accreditation certificate No. GAC-TL-0388.

The Protocol of the Test 39493

Date: 13.03.2024

Name of the customer and contact information: Branch of foreign enterprise „JSC Polat Yol Yapi Sanayi Ve Ticaret" in Georgia.

Description of the samples, condition : River water 3L in Plastic Bottle

Place of taking the examination sample (s), date: Batumi Makhvilauri settlement., Makhvilauri the river 11+500 km 06.03.2024 14:50-15:00

Method of taking and / or transporting the test sample (s): "Wastewater Sampling Procedure". Resolution of the Government of Georgia No. 26, January 3, 2014.

Date of taking the examination sample (s): 06.03.2024 16:00

Location and date of laboratory activity: LEPL Laboratory Research Center
Batumi 6010, Sviabovski st No. 80 06.03.2024-13.03.2024

Sample Nr (identification)	Research parameter	Measurement result	Method of research
Registration 39493 Protocol of the Test 39128	Chlorides	11.0 mg/l	ISO 9297-2008
	Sulfates	9.0 mg/l	COST 31940-2012
	Polyphosphate	< 0,01 mg/l	COST 18309-2014
	Nitrates	< 0,1 mg/l	COST 33045-2014
	Alkalinity	1,4 mmol/dm³	COST 31957-2012
	The Lead	0,002 mg/l	COST 31870-2012
	Zinc	0,09 mg/l	COST 31870-2012

Results are given only for the sample (s) submitted

Responsible Persons :

T. Tavdgiridze
L.Vercelidze

I. Head of structural department :

K.Kupatadze

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The Protocol of the Test 39492

Date: 13.03.2024

Name of the customer and contact information: Branch of foreign enterprise „JSC Polat Yol Yapi Sanayi Ve Ticaret" in Georgia.

Description of the samples, condition : River water 3L in Plastic Bottle

Place of taking the examination sample (s), date: Batumi, Batumi ,Chaisubani River 11+700 gh 06.03.2024 13:45-13:55

Method of taking and / or transporting the test sample (s): "Wastewater Sampling Procedure". Resolution of the Government of Georgia No. 26, January 3, 2014.

Date of taking the examination sample (s):06.03.2024 16:00

Location and date of laboratory activity: LEPL Laboratory Research Center
Batumi 6010, Sviabovski st No. 80 06.03.2024 - 16.03.2024

Sample Nr (identification)	Research parameter	Measurement result	Method of research
Registration 39493 Protocol of the Test 39124	Chlorides	9,9 mg/l	ISO 9297-2008
	Sulfates	9,0 mg/l	COST 31940-2012
	Polyphosphate	0,6 mg/l ± 0,0,14 mg/l	COST 18309-2014
	Nitrates	0,16 mg/l ± 0,0,03 mg/l	COST 33045-2014
	Alkalinity	1,2 mmol/dm³	COST 31957-2012
	The Lead	0,001 mg/l	COST 31870-2012
	Zinc	0,008 mg/l	COST 31870-2012

Results are given only for the sample (s) submitted

Responsible Persons :

T. Tavdgiridze
L.Vercelidze

I. Head of structural department :

K.Kupatadze

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The Protocol of the Test 39429

Date:07.06.2024

Name of the customer and contact information: Branch of foreign enterprise „JSC Polat Yol Yapi Sanayi Ve Ticaret" in Georgia.

Description of the samples, condition : River water 3L in Plastic Bottle

Place of taking the examination sample (s), date: Batumi Makhvilauri settlement., Makhvilauri the river 11+500 km 04.06.2024 13:35-13:45

Method of taking and / or transporting the test sample (s): "Wastewater Sampling Procedure". Resolution of the Government of Georgia No. 26, January 3, 2014.

Date of taking the examination sample (s): 04.06.2024 17:50

Location and date of laboratory activity: LEPL Laboratory Research Center
Batumi 6010, Sviabovski st No. 80 04.06.2024 - 07.06.2024

Sample Nr (identification)	Research parameter	Measurement result	Method of research
Registration 39429 Protocol of the Test 39294	Chlorides	42.54 mg/l	ISO 9297-2008
	Sulfates	10,5 mg/l	COST 31940-2012
	Polyphosphate	< 0,01 mg/l	COST 18309-2014
	Nitrates	0,21 mg/l ± ±0,042mg/l	COST 33045-2014
	Alkalinity	0,92 mmol/dm³	COST 31957-2012
	The Lead	<0,001 mg/l	COST 31870-2012
	Zinc	0,10 mg/l	COST 31870-2012

Results are given only for the sample (s) submitted.

Responsible Persons :

T.Tavdgiridze
L. Vercelidze
Q.Tsereteladze

I. Head of structural department :

K.Kupatadze

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80, SWIRHEVSKY ST.
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TEL: +995 (0422) 25 13 68
Mail: [illegible]

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The Protocol of the Test №1430

Date: 07.06.2024

Name of the customer and contact information: Branch of foreign enterprise „JSC Polat Yol Yapi Sanayi Ve Ticaret" in Georgia.

Description of the samples, condition : River water 3L in Plastic Bottle

Place of taking the examination sample (s), date: Batumi, Gorodoki settlement km 7+500 04.06.2024 14:00-14:10

Method of taking and / or transporting the test sample (s): "Wastewater Sampling Procedure". Resolution of the Government of Georgia No. 26, January 3, 2014.

Date of taking the examination sample (s): 04.06.2024 17:30

Location and date of laboratory activity: LEPL Laboratory Research Center Batumi 6010, Svidsevski st No. 80 04.06.2024 - 07.06.2024

Sample № (identification)	Research parameter	Measurement result	Method of research
Registration №1430 Protocol of the Test №295	Chlorides	40.4 mg/l	ISO 9297-2008
	Sulfates	13.2 mg/l	GOST 31940-2012
	Polyphosphate	<0.01 mg/l	GOST 18309-2014
	Nitrates	0.23 mg/l ± Δ 0.046 mg/l	GOST 33045-2014
	Alkalinity	5.9 mmol/dm³	GOST 31957-2012
	The Lead	0,001 mg/l	GOST 31870-2012
	Zinc	0.13 mg/l	GOST 31870-2012

Results are given only for the sample (s) submitted.

Responsible Persons : T. Tavdgiridze
L. Veruldze
Q. Tsetsvadze

1 Head of structural department : K. Kapanadze

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Mail: [illegible]

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The Protocol of the Test №1431

Date: 07.06.2024

Name of the customer and contact information: Branch of foreign enterprise „JSC Polat Yol Yapi Sanayi Ve Ticaret" in Georgia.

Description of the samples, condition : River water 3L in Plastic Bottle

Place of taking the examination sample (s), date: Batumi, Bezne Chaisubani River 11+700 pk. 04.06.2024 14:25 - 14:35

Method of taking and / or transporting the test sample (s): "Wastewater Sampling Procedure". Resolution of the Government of Georgia No. 26, January 3, 2014.

Date of taking the examination sample (s): 04.06.2024 17:30

Location and date of laboratory activity: LEPL Laboratory Research Center Batumi 6010, Svidsevski st No. 80 04.06.2024-07.06.2024

Sample № (identification)	Research parameter	Measurement result	Method of research
Registration №1431 Protocol of the Test №296	Chlorides	35.45 mg/l	ISO 9297-2008
	Sulfates	12.0 mg/l	GOST 31940-2012
	Polyphosphate	<0.01 mg/l	GOST 18309-2014
	Nitrates	<0.1 mg/l	GOST 33045-2014
	Alkalinity	8.7 mmol/dm³	GOST 31957-2012
	The Lead	<0.001 mg/l	GOST 31870-2012
	Zinc	0.08 mg/l	GOST 31870-2012

Results are given only for the sample (s) submitted.

Responsible Persons : T. Tavdgiridze
L. Veruldze
Q. Tsetsvadze

1 Head of structural department : K. Kapanadze

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Mail: [illegible]

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The Protocol of the Test №1432

Date: 07.06.2024

Name of the customer and contact information: Branch of foreign enterprise „JSC Polat Yol Yapi Sanayi Ve Ticaret" in Georgia.

Description of the samples, condition : River water 3L in Plastic Bottle

Place of taking the examination sample (s), date: Batumi, Makhinjauri river 1+550 pk. River Makhinjauri 04.06.2024 14:50-15:00

Method of taking and / or transporting the test sample (s): "Wastewater Sampling Procedure". Resolution of the Government of Georgia No. 26, January 3, 2014.

Date of taking the examination sample (s): 04.06.2024 17:30

Location and date of laboratory activity: LEPL Laboratory Research Center Batumi 6010, Svidsevski st No. 80 04.06.2024-07.06.2024

Sample № (identification)	Research parameter	Measurement result	Method of research
Registration №1432 Protocol of the Test №297	Chlorides	29.78 mg/l	ISO 9297-2008
	Sulfates	12.5 mg/l	GOST 31940-2012
	Polyphosphate	<0.01 mg/l	GOST 18309-2014
	Nitrates	0.2 mg/l ± Δ 0.04 mg/l	GOST 33045-2014
	Alkalinity	1.25 mmol/dm³	GOST 31957-2012
	The Lead	0.001 mg/l	GOST 31870-2012
	Zinc	0.09 mg/l	GOST 31870-2012

Results are given only for the sample (s) submitted.

Responsible Persons : T. Tavdgiridze
L. Veruldze
Q. Tsetsvadze

1 Head of structural department : K. Kapanadze

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Mail: [illegible]

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The Protocol of the Test №1403

Date: 07.06.2024

Name of the customer and contact information: Branch of foreign enterprise „JSC Polat Yol Yapi Sanayi Ve Ticaret" in Georgia.

Description of the samples, condition : River water 3L in Plastic Bottle

Place of taking the examination sample (s), date: Batumi Makhinjauri 0+950 pl. Makhinjauri river 04.06.2024 15:20-15:30

Method of taking and / or transporting the test sample (s): "Wastewater Sampling Procedure", Resolution of the Government of Georgia No. 26, January 3, 2014.

Date of taking the examination sample (s): 04.06.2024 17:30

Location and date of laboratory activity: LEPL Laboratory Research Center
Batumi 6010. Tsikhisdzi st. No. 04.06.2024-07.06.2024

Sample № (identification)	Research parameter	Measurement result	Method of research
Registration №1403 Protocol of the Test №288	Chlorides	29.07 mg/l	ISO 9297-2008
	Sulfates	13.0 mg/l	COST 31940-2012
	Polyphosphate	< 0.01 mg/l	COST 18309-2014
	Nitrates	0.15 mg/l ± 0.032 mg/l	COST 33045-2014
	Alkalinity	1.3 mmol/dm³	COST 31957-2012
	The Lead	0.003 mg/l	COST 31870-2012
	Zinc	0.12 mg/l	COST 31870-2012

Results are given only for the sample (s) submitted.

Responsible Persons :

T. Tavdgiridze
L.Vasadze
Q.Tsereteli

Head of structural department :

K.Kapanadze

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ANNEX 6 ENCRS

Polatyol | **Environmental Non-Conformance Report (ENCR)** | SMEC

Part 1 – Non-Conformance Description

Reference Number:	ENCR_163		
Project Name:	Batumi Bypass Road Project	Date raised:	17/01/2024
Contractor Name:	POLATYOL & MAPA JOINT VENTURE		
Location:	Bridge No. 10, ხიდი No. 10		

Non-Conformance details:

Following was recorded:

დაფიქსირდა:

On the sides of the Bridge No. 10, across the concrete barriers, on the footpaths is located the construction wood waste, which during windy weather conditions pose a danger to the heavy vehicles and pedestrians on the road below the Bridge No. 10.

No. 10 ხიდის [illegible]

Suggested Corrective Actions:

შემოთავაზებული მაკორექტირებელი ქმედებები:

It is necessary to Immediately remove the construction wood waste from the sidewalks and hard shoulders of the Bridge No. 10. The construction wood waste should be taken to the place of collection and temporary storage of construction wood waste.

[illegible]

Engineer's Representative: Davit Tevzadze | Signature: [signature]

Part 2 – Corrective Actions (attach any supporting information)

Sidewalks of the bridge No.10 were cleaned from constraction debris.

[illegible]

Agreed Close-out Date
Date: 19/01/2024

Contractor's Representative: Jaba Mzhavanadze | Signature: [signature]

Polatyol | **Environmental Non-Conformance Report (ENCR)** | SMEC

Part 3 – Inspection (evidence to support corrective action implementation)

Done

Engineer's Representative:	Davit Tevzadze	Signature:	[signature]
Closure Date:	27/01/2024		

Polatyol | **Environmental Non-Conformance Report (ENCR)** | SMEC

ENCR 163

Photo No. 1

Polatyol | Environmental Non-Conformance Report (ENCR) | SMEC

Photo No.2

Polatyol & mapa Joint Venture

Photo No.1

Photo No.2

Polatyol & mapa Joint Venture

Photo No.3

Photo No.4

Polatyol | Environmental Non-Conformance Report (ENCR) | SMEC

Part 1 – Non-Conformance Description:

Reference Number:	ENCR_164
Project Name:	Batumi Bypass Road Project — Date raised: 29/02/2024
Contractor Name:	POLATYOL & MAPA JOINT VENTURE
Location:	Adjacent to the Tunnel Control Center under Construction / [illegible]

Non-Conformance details:

The following was observed in the area:

[illegible]

1. Soil pollution with oil products.

   [illegible]

2. Waste concrete spilled out of concrete mixer.

   [illegible]

Proposed Corrective Actions:

[illegible]

1) The removal of the contaminated soil with oil products is necessary and it should be transported and dumped at temporary disposal of hazardous waste collection area. In case of unforeseen situations, an oil absorber should be provided.

   [illegible]

2) It is necessary to clear the area from concrete waste. It is also necessary to remove the concrete waste and place it in a pre-determined waste concrete disposal area.

   [illegible]

The concrete mixer truck drivers and supervisors should be informed and trained on the Waste Management Plan, and the truck drivers should know where to place the concrete waste to prevent the reoccurring spills.

[illegible]

Engineer's Representative: Davit Tevzadze — Signature: [signature]

Polatyol | Environmental Non-Conformance Report (ENCR) | SMEC

Part 2 – Corrective Actions (attach any supporting information)

Area was cleaned from oil spills and concrete waste.

Environmental training was conducted for mixer drivers.

[illegible]

[illegible]

Agreed Close-out Date — Date: 15/03/2024

Contractor's Representative: Jaba Mchavaradze — Signature: [signature]

Part 3 – Inspection (evidence to support corrective action implementation)

Done.

Engineer's Representative: Davit Tevzadze — Signature: [signature]

Closure Date: 03.04.2024

Polatyol | Environmental Non-Conformance Report (ENCR) | SMEC

ENCR_164

Photo No. 1

Polatyol | Environmental Non-Conformance Report (ENCR) | SMEC Member of the Surbana Jurong Group

Photo No. 2

Polatyol & mapa Joint Venture

Photo №1

Photo №2

Polatyol & mapa Joint Venture

Photo №3

Polatyol & mapa Joint Venture

ლოკაცია/Location: [illegible] No 2	თარიღი/Date: 25.03.2024

Type of Instruction/ [illegible]	[illegible]	✖	[illegible]	✖	[illegible]	✖
Language of Instruction [illegible]	[illegible]	✖	[illegible]	✖	[illegible]	✖

Topic(s) of Instruction / Course Title

[illegible] Çevre koruma önlemleri ve bunlara sağlıklı bir ekolojik durumun sürdürülmesi açısından önemi.
[illegible] Çevreyi plastik malzemelerle kirletmeyiniz. [illegible]
[illegible] Şantiyelerde zararlı veya tehlikeli atıkların (plastik kaplar dahil) yakılması kesinlikle yasaktır.
[illegible] Beton artıklarının veya mikserin yıkanmış suyun, özellikle akan suyun yakınındaki nesnelerin üzerine dökülmesine izin verilmez, bunlar yalnızca özel olarak belirlenmiş alanlara yerleştirilmelidir.
[illegible] Şantiyelerde zararlı veya tehlikeli atıkların tespit edilmesi durumunda amir (ustabaşı) veya çevre koruma uzmanına haber verin.
[illegible] Tehlikeli atıklar yalnızca kendileri için belirlenmiş ve üzerinde uygun işaretlerin (tehlikeli atık, çevreye zararlı atık) bulunduğu geçici depolama konteynerlerine atılmalıdır.

• [illegible] Çalışanların dikkatine!!
• [illegible]
• Çalışma sürecinde iş güvenliği kurallarına her zaman uyacağım, bulunduğum talimatlara ve güvenlik prosedürlerine tam uygun şekilde iş yapma sorumluluğunu kabul ediyorum
• [illegible] Daima güvenli çalışın!!
• [illegible]
• Herhangi bir olay veya tehlike tespit edilmesi sürecinde, derhal amiri (ustabaşı) ve iş güvenliği birimi temsilcisini bilgilendirmekle yükümlüdür.

#	სახელი გვარი Ad /Soyad	სამუშაო პოზიცია İş Pozisyonu	კომპანია Şirket	ხელმოწერა Imza
1	[illegible]	[illegible]	[illegible]	[illegible]
2	[illegible]	[illegible]	[illegible]	[illegible]
3	[illegible]	[illegible]	[illegible]	[illegible]
4	[illegible]	[illegible]	[illegible]	[illegible]
5	[illegible]	[illegible]	[illegible]	[illegible]
6	[illegible]	[illegible]	[illegible]	[illegible]
7				
8				

Polatyol & mapa Joint Venture

ინსტრუქტაჟი ჩაატარა:		
სახელი/Name გვარი/Surname	თანამდებობა/Position	ხელმოწერა/Signature
[illegible]	[illegible]	[illegible]

Polatyol & mapa Joint Venture

Photo №1

Photo №2

Polatyol | Environmental Non-Conformance Report (ENCR) | SMEC Member of the Surbana Jurong Group

Part 1 – Non-Conformance Description:

Reference Number:	ENCR_165		
Project Name:	Batumi Bypass Road Project	Date raised:	04/03/2024
Contractor Name:	POLATYOL & MAPA JOINT VENTURE		
Location:	Under Bridge No. 1 near Tunnel No. 1 Entrance Portal and in Vicinity of Tunnel No. 1 Entrance Portal / No. 1 გვირაბის შესასვლელი პორტალთან, No. 1 ხიდის ქვეშ და No. 1 გვირაბის შესასვლელი პორტალის მიმდებარედ		

Non-Conformance details:

The following was recorded:

დაფიქსირდა:

Hazardous waste (oil/lubricants) spill from vehicle/plant maintenance (Photo 1); disposal of household waste (including plastic lunch boxes) on the ground due to absence of waste bins on site (Photos 2 and 3); ineffective sediment ponds due to lack of maintenance (Photo 4); contamination of soil from concrete waste (Photo 5).

[illegible] (ფოტო 1); [illegible] (ფოტო 2 და 3); [illegible] (ფოტო 4); [illegible] (ფოტო 5)

Proposed Corrective Actions:

შემოთავაზებული მაკორექტირებელი ქმედებები:

1) Remove spilled oil/lubricants from site and store at temporary hazardous waste facility at Construction Camp site, use oil/lubricant waste collection pans under vehicles when performing maintenance activities.

   [illegible]

2) Clean up all the rubbish from site and provide waste bins and hold regular toolbox talks to remind staff of the correct disposal of household waste.

   [illegible]

3) Remove built-up sediment in settling ponds on a regular basis to maintain their effectiveness.

   [illegible]

4) Remove concrete waste and dispose in approved location.

   [illegible]

Polatyol | Environmental Non-Conformance Report (ENCR) | SMEC Member of the Surbana Jurong Group

Engineer's Representative: Michael Holics	Signature: [signature]

Part 2 – Corrective Actions (attach any supporting information)

Oil contaminated soil was removed from site.Sedimentation ponds are cleaned in regular basis.

Concrete waste was removed from area.

Site was cleaned from household waste. Necessary toolbox was conducted.

[illegible]

Agreed Close-out Date
Date: 08/03/2024

Contractor's Representative: Jaba Mzhavanadze	Signature: [signature]

Part 3 – Inspection (evidence to support corrective action implementation)

Done.

Engineer's Representative: Michael Holics	Signature: [signature]
Closure Date:	12.04.2024

Polatyol | Environmental Non-Conformance Report (ENCR) | SMEC Member of the Surbana Jurong Group

ENCR_165

Photo No. 1

Polatyol | Environmental Non-Conformance Report (ENCR) | SMEC

Photo No. 2

Polatyol | Environmental Non-Conformance Report (ENCR) | SMEC

Photo No. 3

Polatyol | Environmental Non-Conformance Report (ENCR) | SMEC

Photo No. 4

Polatyol Environmental Non-Conformance Report (ENCR) SMEC  Photo No. 5	Polatyol & Joint Venture Photo No1.  Photo No2 	Polatyol & Joint Venture Photo No3  Photo No4 

Polatyol & mapa Joint Venture

Photo №5

Photo №6

Polatyol & mapa Joint Venture

Location:	Date: 25.03.2024

Type of Instruction | Language of Instruction: Georgian ✖ English ✖ Turkish ✖

Topic(s) of Instruction / Course Title

Çevre koruma önlemleri ve bunların sağlıklı bir ekolojik durumun sürdürülmesi açısından önemi.

Çevreyi plastik malzemelerle kirletmeyiniz. Yiyecek kapları çöp kutularına veya selofan poşetlere konulmalıdır.

Şantiyelerde zararlı veya tehlikeli atıkların (plastik kaplar dahil) yakılması kesinlikle yasaktır.

Beton artıklarının veya mikserle yıkanmış suyun, özellikle akan suyun yakınındaki nehirlere dökülmesine izin verilmez, bunlar yalnızca özel olarak belirlenmiş alanlara yerleştirilmelidir.

Şantiyelerde zararlı veya tehlikeli atıkların tespit edilmesi durumunda amir (ustabaşı) veya çevre koruma uzmanına haber verin.

Tehlikeli atıklar yalnızca kendileri için belirlenmiş ve üzerinde uygun işaretlerin (tehlikeli atık, çevreye zararlı atık) bulunduğu geçici depolama konteynerlerine atılmalıdır.

- Çalışanların dikkatine!!
- Çalışma sürecinde iş güvenliği kurallarına her zaman uyacağım, imzaladığım talimatlara ve güvenlik prosedürlerine tam uygun şekilde iş yapma sorumluluğunu kabul ediyorum.
- Daima güvenli çalışın!!
- Herhangi bir olay veya tehlike tespit edilirse sırıcıl, derhal amiri (ustabaşı) ve iş güvenliği hizmeti temsilcisini bilgilendirmekle yükümlüdür.

Polatyol & mapa Joint Venture

#	Ad /Soyad	İş Pozisyonu	Şirket	İmza
1	[illegible]	[illegible]	[illegible]	[illegible]
2	[illegible]	[illegible]	[illegible]	[illegible]
3	[illegible]	[illegible]	[illegible]	[illegible]
4	[illegible]	[illegible]	[illegible]	[illegible]
5	[illegible]	[illegible]	[illegible]	[illegible]
6	[illegible]	[illegible]	[illegible]	[illegible]
7				
8				

Polatyol & mapa Joint Venture

Name/Surname	Position	Signature
[illegible]	[illegible]	[illegible]

Polatyol | Environmental Non-Conformance Report (ENCR) | SMEC

Part 1 – Non-Conformance Description:

Reference Number:	ENCR_166		
Project Name:	Batumi Bypass Road Project	Date issued:	04/03/2024
Contractor Name:	POLATYOL & MAPA JOINT VENTURE		
Location:	Concrete Batching Plant No. 2 / ბეტონის ქარხანა No. 2		

Non-Conformance details:

The following was recorded

დაფიქსირდა

Disposal of household waste (including plastic lunch boxes) on the ground due to absence of waste bins on site (Photo 1); burnaap of waste on site (Photo 2).

სამშენებლო მოედანზე სანაგვე ყუთის არარსებობის გამო მიწაზე გახვავებული საყოფაცხოვრებო ნარჩენები (ფოტო 1); სამშენებლო მოედანზე ნარჩენების წვა (ფოტო 2).

Proposed Corrective Actions:

შემოთავაზებული მაკორექტირებელი ქმედებები:

1) Clean up all the rubbish from site and install waste bins and hold regular toolbox talks to remind staff of the correct disposal of household waste and that waste is not to be burned on site but should be placed in waste bins for collection. Toolbox talks to emphasize the responsibility of the site supervisor to ensure correct waste disposal procedures are followed

   სამშენებლო მოედნის ნარჩენებისგან გასუფთავება და სანაგვე ყუთების დაყენება, პერსონალისთვის რეგულარული ინსტრუქტაჟის ჩატარება საყოფაცხოვრებო ნარჩენების სწორად განთავსების შესახებ და იმის შეხსენება, რომ ნარჩენები არ უნდა იწვებოდეს სამშენებლო მოედანზე, უნდა გროვდებოდეს სანაგვე ყუთში. საჭიროა ინსტრუქტაჟი, რომლითაც ხაზს გაესმება ზედამხედველის პასუხისმგებლობას ნარჩენების სწორად განთავსების პროცედურების დაცვის უზრუნველყოფაზე.

Engineer's Representative: Michael Holics | Signature:

Part 2 – Corrective Action (attach any supporting information)

Waste bin was placed.Area was cleaned.
Concrete waste was removed from site.
Necessary toolbox was conducted.
ტუალეტია დასუფთავდა და განთავსდა ნაგვის ურნა.
ბეტონის ნარჩენები გატანილია სამშენებლო მოედნიდან.
ჩატარდა აუცილებელი სწავლება-ინსტრუქტაჟი

Agreed Close-out Date: Date 08/03/2024

Polatyol | Environmental Non-Conformance Report (ENCR) | SMEC

Contractor's Representative: Jaba Matavanadze | Signature:

Part 3 – Inspection (evidence to support corrective action implementation)

Done.

Engineer's Representative: Michael Holics | Signature:

Closure Date: 12.06.2024

Polatyol | Environmental Non-Conformance Report (ENCR) | SMEC

ENCR_166

Photo No. 1

Polatyol Environmental Non-Conformance Report (ENCR) SMEC  Photo No. 2	Polatyol & mapa Joint Venture Photo №1  Photo №2 	Polatyol & mapa Joint Venture Photo №3  Photo №4 

Polatyol & mapa Joint Venture

Location: [illegible]	Date: 11.06.2024

Type of Instruction	Induction	✖	Toolbox	✖	Instruction	✖
Language of Instruction	Georgian	✖	English	✖	Turkish	✖

Topic(s) of Instruction / Course Title

[illegible] Çevre koruma önlemleri ve bunlara uyulması bir ekolojik durumun sürdürülmesi açısından önemli.
[illegible] Çevreyi plastik malzemelerle kirletmeyin. Yiyecek kapları gıp kutulara veya selofan poşetlere konulmalıdır.
[illegible] Şantiyelerde zararlı veya tehlikeli atıkların (plastik kaplar dahil) yakılması kesinlikle yasaktır.
[illegible] Beton artıklarının veya mikserde yıkanmış suyun, özellikle akan suyun yakınındaki nesnelerin üzerine dökülmesine izin verilmez, bunlar yalnızca özel olarak belirlenmiş alanlara yerleştirilmelidir.
[illegible] Şantiyelerde zararlı veya tehlikeli atıkların tespit edilmesi durumunda amir (ustabaşı) veya çevre koruma uzmanına haber verin.
[illegible] Tehlikeli atıklar yalnızca kendileri için belirlenmiş ve üzerinde uygun işaretlerin (tehlikeli atık, çevreye zararlı atık) bulunduğu geçici depolama konteynerlerine atılmalıdır.

- [illegible] Çalışırken dikkatli!
- [illegible]
- Çalışma sırasında iş güvenliği kurallarına her zaman uyun [illegible]
- [illegible] Daima güvenli çalışın!!
- [illegible]
- Herhangi bir olay veya tehlike tespit edilirse derhal amiri (ustabaşı) ve iş güvenliği birimini [illegible]

Polatyol & mapa Joint Venture

List of Attendees

N	Name Surname	Position	Company	Signature
1	[illegible]	[illegible]	[illegible]	[illegible]
2	[illegible]	[illegible]	[illegible]	[illegible]
3	[illegible]	[illegible]	[illegible]	[illegible]
4	[illegible]	[illegible]	[illegible]	[illegible]
5				
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Polatyol & mapa Joint Venture

[illegible]		
Name Surname	Position	Signature
[illegible]	[illegible]	[illegible]

Polatyol & mapa Joint Venture

Photo №1

Polatyol	Environmental Non-Conformance Report (ENCR)	SMEC Member of the Surbana Jurong Group

Part 1 – Non-Conformance Description:

Reference Number:	ENCR_167		
Project Name:	Batumi Bypass Road Project	Date raised:	12/03/2024
Contractor Name:	POLATYOL & MAPA JOINT VENTURE		
Location:	Tunnel No. 3 Entrance Portal / No. 3 [illegible]		

Non-Conformance details:

The following was recorded:

[illegible]

Household waste scattered on the ground due to the absence of a waste bin at the construction campsite and also it was observed the facts of the burning of household waste.

[illegible]

Proposed Corrective Actions:

[illegible]

It is necessary to clear the construction campsite from household waste and arrange the waste bins and conduct regular toolbox talks for the staff concerning the proper disposal of household waste. Burning of Project waste on site is illegal under Adjara Environmental Law and the Contractor risks further fines from the Adjara Environmental Agency. It is also not permitted under waste management procedures for the Project.

[illegible]

Engineer's Representative: David Tevzadze	Signature:

Part 2 – Corrective Actions (attach any supporting information)

A trash can has been installed.
The area has been cleared.
Environmental training conducted
[illegible]

Agreed Close-out Date
Date: 16/03/2024

Contractor's Representative:	Jaba Mzhavanadze	Signature:

Polatyol	Environmental Non-Conformance Report (ENCR)	SMEC Member of the Surbana Jurong Group

Part 3 – Inspection (evidence to support corrective action implementation)

Done.

Engineer's Representative: David Tevzadze	Signature:	
Closure Date:	03.04.2024	

Polatyol	Environmental Non-Conformance Report (ENCR)	SMEC Member of the Surbana Jurong Group

ENCR_167

Photo 1

Polatyol

Environmental Non-Conformance Report (ENCR)

SMEC

Member of the Sudanesa Lorong Group

Photo 2

Polatyol & mapa Joint Venture

Photo №1

Photo №2

Polatyol & mapa Joint Venture

Photo №3

Polatyol & mapa Joint Venture

ლოკაცია/Location: მე-3 გვირაბის შესასვლელი	თარიღი/Date: 14.03.2024

Topic(s) of Instruction / Course Title

[illegible] Çevre koruma önlemleri ve bunların sağlık bir ekolojik durumun sürdürülmesi açısından önemi.
[illegible] Çevreyi plastik malzemelerle kirletmeyiniz. Yiyecek kapları çöp kutularına veya seloftan poşetlere konulmalıdır.
[illegible] Şantiyelerde zararlı veya tehlikeli atıkların (plastik kaplar dahil) yakılması kesinlikle yasaktır.
[illegible] Beton artıklarının veya mikserle yıkanmış suyun, özellikle akan suyun yakınındaki nehirlerin üzerine dökülmesine izin verilmez, bunlar yalnızca özel olarak belirlenmiş alanlara yerleştirilmelidir.
[illegible] Şantiyelerde zararlı veya tehlikeli atıkların tespit edilmesi durumunda amir (ustabaşı) veya çevre koruma uzmanına haber verin.
[illegible] Tehlikeli atıklar yalnızca kendileri için belirlenmiş ve üzerinde uygun işaretlerin (tehlikeli atık, çevreye zararlı atık) bulunduğu geçici depolama konteynerlerine atılmalıdır.

- [illegible] Çalışanların dikkatine!!
- [illegible]
- [illegible]

Polatyol & mapa Joint Venture

#	სახელი გვარი Ad /Soyad	სამუშაო პოზიცია İş Pozisyonu	კომპანია Şirket	ხელმოწერა İmza
1	Osman Kocaman	inş. Kalıp	Osman Kocaman	[signature]
2	[illegible]	[illegible]		[signature]
3	[illegible]	[illegible]		[signature]
4	[illegible]	[illegible]		[signature]
5	[illegible]	[illegible]		[signature]
6				
7				
8				

Polatyol & mapa Joint Venture

ინსტრუქტორი:		
სახელი/Name გვარი/Surname	თანამდებობა/Position	ხელმოწერა/Signature
[illegible]	გარემოს დაცვის სპეციალისტი	[signature]

Photo No1

Polatyol | **Environmental Non-Conformance Report (ENCR)** | SMEC Member of the Surbana Jurong Group

Part 1 – Non-Conformance Description:

Reference Number:	ENCR_168		
Project Name:	Batumi Bypass Road Project	Date raised:	12/03/2024
Contractor Name:	POLATYOL & MAPA JOINT VENTURE		
Location:	Adjacent to the Bridge No. 7.1 / No. 7.1 [illegible]		

Non-Conformance details:

The following was recorded

[illegible]:

1) Concrete spilled on the ground from a concrete mixer truck;
[illegible]
2) Household waste is scattered on the ground (at the construction campsite) due to the absence of waste bins.
[illegible]

Proposed Corrective Actions:

[illegible]:

1. It is necessary to clean the territory from the concrete waste and remove the concrete waste to the pre-defined disposal area for the concrete waste. The toolbox talks should be arranged for the concrete mixer truck drivers and their supervisor (foreman) according to the waste management plan, in particular, the concrete mixer truck drivers should know where to place the concrete waste to prevent the further spills;
[illegible]
2. It is necessary to clear the construction campsite from household waste and arrange the waste bins and conduct the regular toolbox talks for the staff concerning the proper disposal of household waste.
[illegible]

Engineer's Representative: Davit Tevzadze	Signature:

Polatyol | **Environmental Non-Conformance Report (ENCR)** | SMEC Member of the Surbana Jurong Group

Part 2 – Corrective Actions (attach any supporting information)

Adjacent territory of bridge No 7.1 was cleaned from concrete and household waste.

Waste bin has been installed.

Necessary training for mixer drivers have been carried out.

[illegible]

Agreed Close-out Date
Date: 16/03/2024

Contractor's Representative: Jaba Mzhavanadze	Signature:

Part 3 – Inspection (evidence to support corrective action implementation)

Done

Engineer's Representative: Davit Tevzadze	Signature:
Closure Date:	30.04.2024

Polatyol | **Environmental Non-Conformance Report (ENCR)** | SMEC Member of the Surbana Jurong Group

ENCR_168

Photo 1

Polatyol | Environmental Non-Conformance Report (ENCR) | SMEC

Photo 2

Polatyol | Environmental Non-Conformance Report (ENCR) | SMEC

Photo 3

Polatyol & mapa Joint Venture

Photo №1

Photo №2

Polatyol & Mapa Joint Venture

Photo №3

Photo №4

Polatyol & Mapa Joint Venture

Photo №5

Polatyol & Mapa Joint Venture

Location: ... No 2	Date: 25.03.2024

Type of instruction: ✖ ✖ ✖

Language of instruction: Georgian ✖ English ✖ Turkish ✖

Topic(s) of Instruction / Course Title

Çevre koruma ilkeleri ve bunların sağlıklı bir ekolojik durumun sürdürülmesi açısından önemi.
Çevreyi plastik malzemelerle kirletmeyiniz. Yiyecek kapları çöp kutularına veya selofan poşetlere konulmalıdır.
Şantiyelerde zararlı veya tehlikeli atıkların (plastik kaplar dahil) yakılması kesinlikle yasaktır.
Beton artıklarının veya mikserle yıkanmış suyun, özellikle akan suyun yakınındaki nesnelerin üzerine dökülmesine izin verilmez, bunlar yalnızca özel olarak belirlenmiş alanlara yerleştirilmelidir.
Şantiyelerde zararlı veya tehlikeli atıkların tespit edilmesi durumunda amir (ustabaşı) veya çevre koruma uzmanına haber verin.
Tehlikeli atıklar yalnızca kendileri için belirlenmiş ve üzerinde uygun işaretlerin (tehlikeli atık, çevreye zararlı atık) bulunduğu geçici depolama konteynerlerine atılmalıdır.

- Çalışanların dikkatine!!
- Çalışma sürecinde iş güvenliği kurallarına her zaman uyacağım, talimatlara ve güvenlik prosedürlerine tam uygun şekilde iş yapma sorumluluğunu kabul ediyorum.
- Daima güvenli çalışın!!
- Herhangi bir olay veya tehlike tespit edilirse, derhal amiri (ustabaşı) ve iş güvenliği hizmeti temsilcisini bilgilendirmekle yükümlüdür.

#	Ad /Soyad	İş Pozisyonu	Şirket	İmza
1	[illegible]	[illegible]	[illegible]	[illegible]
2	[illegible]	[illegible]	[illegible]	[illegible]
3	[illegible]	[illegible]	[illegible]	[illegible]
4	[illegible]	[illegible]	[illegible]	[illegible]
5	[illegible]	[illegible]	[illegible]	[illegible]
6	[illegible]	[illegible]	[illegible]	[illegible]
7				
8				
9				

Polatyol & mapa Joint Venture

[illegible]		
სახელი/Name გვარი/Surname	თანამდებობა/Position	ხელმოწერა/Signature
[illegible]	[illegible]	[illegible]

Polatyol & mapa Joint Venture

Photo №1

Photo №2

Polatyol	Environmental Non-Conformance Report (ENCR)	SMEC

Part 1 – Non-Conformance Description:

Reference Number:	ENCR_169		
Project Name:	Batumi Bypass Road Project	Date raised:	12/03/2024
Contractor Name:	POLATYOL & MAPA JOINT VENTURE		
Location:	Tunnel No. 5 Exit Portal / No. 5 [illegible]		

Non-Conformance details:

The following was recorded:

[illegible]

1) Concrete spilled on the ground from a concrete mixer truck, which also flows into the small river nearby;
   [illegible]
2) Household waste is scattered on the ground (at the construction campsite) due to the absence of waste bins.
   [illegible]

Proposed Corrective Actions:

[illegible]

1. It is necessary to clean the territory from the concrete waste and remove the concrete waste to the pre-defined disposal area for the concrete waste. The toolbox talks should be arranged for the concrete mixer truck drivers and their supervisor (foreman) according to the waste management plan, in particular, the concrete mixer truck drivers should know where to place the concrete waste to prevent the further spills;
   [illegible]
2. It is necessary to clear the construction campsite from household waste and arrange the waste bins and conduct the regular toolbox talks for the staff concerning the proper disposal of household waste.
   [illegible]

Engineer's Representative: Davit Tevzadze	Signature: [signature]

Polatyol | Environmental Non-Conformance Report (ENCR) | SMEC

Part 2 – Corrective Actions (attach any supporting information)

Adjacent territory of tunnel No 5 were cleaned from concrete and household waste.
Waste bin was installed.
Necessary toolbox was conducted for mixer drivers and workers.
[illegible]

Agreed Close-out Date: Date: 16/03/2024

Contractor's Representative: John Mzhavanadze | Signature:

Part 3 – Inspection (evidence to support corrective action implementation)

Done

Engineer's Representative: Davit Tevzadze | Signature:

Closure Date: 30.04.2024

Polatyol | Environmental Non-Conformance Report (ENCR) | SMEC

ENCR_169

Photo 1

Polatyol | Environmental Non-Conformance Report (ENCR) | SMEC

Photo 2

Photo 3

Polatyol | Environmental Non-Conformance Report (ENCR) | SMEC

Photo 4

Photo 5

Polatyol | Environmental Non-Conformance Report (ENCR) | SMEC

Photo 6

Polatyol & Joint Venture

Photo №1

Photo №2

Polatyol & mapa Joint Venture

Photo №3

Photo №4

Polatyol & mapa Joint Venture

Photo №5

Photo №6

Polatyol & mapa Joint Venture

Photo №7

Polatyol & mapa Joint Venture

ლოკაცია/Location: მე-5 გვირაბი	თარიღი/Date: 18.04.2024

Topic(s) of Instruction / Course Title

[illegible] Çevre koruma önlemleri ve bunlara sağlıklı bir ekolojik durumun sürdürülmesi açısından önemi.
[illegible] Çevreyi plastik malzemelerle kirletmeyiniz. Yiyecek kapları çöp kutularına veya selofan poşetlere konulmalıdır.
[illegible] Şantiyelerde zararlı veya tehlikeli atıkların (plastik kaplar dahil) yakılması kesinlikle yasaktır.
[illegible] Beton artıklarını veya mikserle yıkarken suyun, özellikle akan suyun yakınındaki nehirlerin üzerine dökülmesine izin verilmez, bunlar yalnızca özel olarak belirlenmiş alanlara yerleştirilmelidir.
[illegible] Şantiyelerde zararlı veya tehlikeli atıkların tespit edilmesi durumunda amir (ustabaşı) veya çevre koruma uzmanına haber verin.
[illegible] Tehlikeli atıklar yalnızca kendileri için belirlenmiş ve üzerinde uygun işaretlerin (tehlikeli atık, çevreye zararlı atık) bulunduğu geçici depolama konteynerlerine atılmalıdır.

- [illegible] Çalışanların dikkatine!!
- [illegible]
- Çalışma sürecinde iş güvenliği kurallarına her zaman uyacağımı, tanıdığım talimatlara ve güvenlik prosedürlerine tam uygun şekilde iş yapma sorumluluğunu kabul ediyorum
- [illegible] Daima güvenli çalışın!!
- [illegible]
- Herhangi bir olay veya tehlike tespit edilirse süreci, derhal amiri (ustabaşı) ve iş güvenliği hizmeti temsilcisini bilgilendirmekle yükümlüdür.

#	სახელი გვარი Ad /Soyad	სამუშაო პოზიცია İş Pozisyonu	კომპანია Şirket	ხელმოწერა İmza
1	[illegible]	[illegible]		[signature]
2	[illegible]	[illegible]		[signature]
3	[illegible]	[illegible]		[signature]
4	[illegible]	[illegible]		[signature]
5	[illegible]	[illegible]		[signature]
6	[illegible]	[illegible]		[signature]
7	[illegible]	[illegible]		[signature]
8	[illegible]	[illegible]		[signature]
9				
10				

Polatyol & mapa Joint Venture

ინსტრუქტაჟი ჩაატარა:

სახელი/Name გვარი/Surname	თანამდებობა/Position	ხელმოწერა/Signature
ჯაბა მჟავანაძე	გარემოს დაცვის სპეციალისტი	[signature]

Polatyol & mapa Joint Venture

Photo №1

Photo №2

Polatyol | **Environmental Non-Conformance Report (ENCR)** | SMEC Member of the Surbana Jurong Group

Part 1 – Non-Conformance Description:

Reference Number:	ENCR_170		
Project Name:	Batumi Bypass Road Project	Date raised:	15/03/2024
Contractor Name:	POLATYOL & MAPA JOINT VENTURE		
Location:	Adjacent to the Tunnel No. 1 Exit Portal and Beginning of Bridge No. 3 / No. 1 გვირაბის გამოსასვლელი პორტალის და No. 3 ხიდის დასაწყისის მიმდებარედ		

Non-Conformance details:

The following was recorded:

[illegible]

1) Concrete spilled on the ground from a concrete mixer truck, which also flows into the small river nearby (Ref to the photos No. 1, 2, 3, 4 and 5);
   [illegible] No. 2, No. 3, No. 4 და No. 5;
2) Household waste scattered on the ground due to the absence of a waste bin at the construction campsite and also it was observed the facts of the burning of household waste (Ref to the photo No. 7);
   [illegible] No. 7;
3) The sedimentation basin at the Exit of the Tunnel is full (Ref. to the photo No. 8 and 9);
   [illegible] No. 8 და No. 9;
4) There are used tires and other construction waste placed on the mentioned territory (Ref. to the photo No. 10).
   [illegible] No. 10;

During the monitoring, the small river near the territory was visually clean (Ref. to the photo No. 6).

[illegible] No. 6).

Proposed Corrective Actions:

[illegible]

It's necessary:

[illegible]

1. To clean the territory from the concrete waste and remove the concrete waste to the pre-defined disposal area for the concrete waste. The toolbox talks should be arranged for the concrete mixer truck drivers and their supervisor (foreman) according to the waste management plan, in particular, the concrete mixer truck drivers should know where to place the concrete waste to prevent the further spills;
   [illegible]
2. To clear the construction site from household waste and arrange the waste bins and conduct the regular toolbox talks for the staff concerning the proper disposal of household waste and a reminder that burning of waste on site is an offence under Regional environmental law and subject to fines;
   [illegible]
3. To clean the sedimentation basin and place the removed waste in a pre-determined disposal area;
   [illegible]
4. To remove the used tires and other construction waste from the territory and place them in a pre-determined disposal area;
   [illegible]

Engineer's Representative: Davit Tevzadze	Signature:

Part 2 – Corrective Actions (attach any supporting information)

Aria was cleaned from concrete waste.
Sedimentation basin was cleaned.
Used tires removed from site.
Environmental training have been carried out for mixer drivers.
[illegible]

Agreed Close-out Date	Date: 22/03/2024

Contractor's Representative:	Jaba Mzhavanadze	Signature:

Part 3 – Inspection (evidence to support corrective action implementation)

Done

Engineer's Representative: Davit Tevzadze	Signature:
Closure Date:	30.04.2024

Polatyol | **Environmental Non-Conformance Report (ENCR)** | SMEC Member of the Surbana Jurong Group

ENCR_170

Photo No. 1

Polatyo: Environmental Non-Conformance Report (ENCR) SMEC	Polatyo: Environmental Non-Conformance Report (ENCR) SMEC	Polatyo: Environmental Non-Conformance Report (ENCR) SMEC
 Photo No. 2	 Photo No. 4	 Photo No. 6
 Photo No. 3	 Photo No. 5	 Photo No. 7

Polatyol | Environmental Non-Conformance Report (ENCR) | SMEC

Photo No. 8

Photo No. 9

Polatyol | Environmental Non-Conformance Report (ENCR) | SMEC

Photo No. 10

Polatyol & mapa Joint Venture

Photo №1

Photo №2

Polatyol & mapa Joint Venture

Photo №3

Photo №4

Polatyol & mapa Joint Venture

Photo №5

Photo №6

Polatyol & mapa Joint Venture

[illegible]/Location: [illegible] No 2	[illegible]/Date: 25.03.2024

[illegible] Çevre koruma önlemleri ve bunların sağlıklı bir ekolojik durumun sürdürülmesi açısından önemi.
[illegible] Çevreyi plastik malzemelerle kirletmeyin. Yiyecek kapları çöp kutularına veya selofan poşetlere konulmalıdır.
[illegible] Şantiyelerde zararlı veya tehlikeli atıkların (plastik kaplar dahil) yakılması kesinlikle yasaktır.
[illegible] Beton artıklarının veya mikserin yıkanmış suyun, özellikle akan suyun yakınındaki nesnelerin üzerine dökülmesine izin verilmez, bunlar yalnızca özel olarak belirlenmiş alanlara yerleştirilmelidir.
[illegible] Şantiyelerde zararlı veya tehlikeli atıkların tespit edilmesi durumunda amir (ustabaşı) veya çevre koruma uzmanına haber verin.
[illegible] Tehlikeli atıklar yalnızca kendileri için belirlenmiş ve üzerinde uygun işaretlerin (tehlikeli atık, çevreye zararlı atık) bulunduğu geçici depolama konteynerlerine atılmalıdır.

- [illegible] Çalışanların dikkatine!!
- [illegible]
- Çalışma sürecinde iş güvenliği kurallarına her zaman uyacağımı, imzaladığım talimatlara ve güvenlik prosedürlerine tam uygun şekilde iş yapma sorumluluğunu kabul ediyorum.

- [illegible] Daima güvenli çalışın!!
- [illegible]
- Herhangi bir olay veya tehlike tespit edilirse derhal amiri (ustabaşı) ve iş güvenliği hizmeti temsilcisini bilgilendirmekle yükümlüdür.

#	სახელი გვარი Ad /Soyad	სამუშაო პოზიცია İş Pozisyonu	კომპანია Şirket	ხელმოწერა Imza
1	[illegible]	[illegible]	[illegible]	[illegible]
2	[illegible]	[illegible]	[illegible]	[illegible]
3	[illegible]	[illegible]	[illegible]	[illegible]
4	[illegible]	[illegible]	[illegible]	[illegible]
5	[illegible]	[illegible]	[illegible]	[illegible]
6	[illegible]	[illegible]	[illegible]	[illegible]
7				
8				

Polatyol & mapa Joint Venture

ინსტრუქტაჟი ჩაატარა:		
სახელი/Name გვარი/Surname	თანამდებობა/Position	ხელმოწერა/Signature
ჯაბა მჟავანაძე	გარემოს დაცვის სპეციალისტი	[signature]

Polatyol & mapa Joint Venture

Photo №1

Photo №2

Polatyol	Environmental Non-Conformance Report (ENCR)	SMEC

Part 1 – Non-Conformance Description:

Reference Number:	ENCR_171		
Project Name:	Batumi Bypass Road Project	Date raised:	22/03/2024
Contractor Name:	POLATYOL & MAPA JOINT VENTURE		
Location:	Slope between Bridges No. 1 & No. 2 No. 1 და No. 2 ხიდებს შორის არსებული ფერდი		

Non-Conformance details:

The following was recorded:

[illegible]

Waste concrete poured from concrete mixer resulting in soil pollution and damage to trees.

[illegible]

Proposed Corrective Actions:

[illegible]

It is necessary to:

[illegible]

Clean up the area of concrete waste. Transport the waste and store in the pre-defined area designated for concrete waste disposal. Additionally, damaged trees affected by spilled concrete waste must be removed and replaced with compensatory trees. Furthermore, drivers of concrete mixers as well as their supervisors should be trained as per the waste management plan, as drivers should know where to dump the concrete waste in order to prevent environmental damage.

[illegible]

Engineer's Representative: David Tevzadze	Signature: [signature]

Part 2 – Corrective Actions (attach any supporting information)

Area was cleaned from concrete waste.
Training for mixer drivers was conducted.

	Agreed Close-out Date
[illegible]	Date: 30/03/2024

Contractor's Representative: Jaba Mzhavanadze	Signature: [signature]

Polatyol | Environmental Non-Conformance Report (ENCR) | SMEC

Part 3 - Inspection (evidence to support corrective action implementation)

Done.

Engineer's Representative: Davit Tevzadze | Signature:

Closure Date: 26.03.2024

Polatyol | Environmental Non-Conformance Report (ENCR) | SMEC

ENCR_171

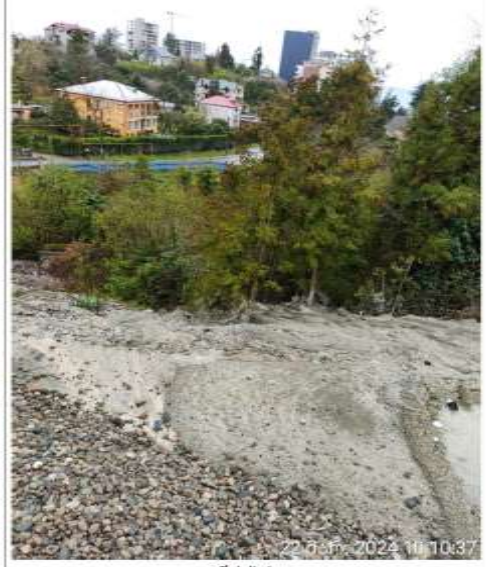

Photo No. 1

Polatyol | Environmental Non-Conformance Report (ENCR) | SMEC

Photo No. 2

Photo No. 3

Polatyol & mapa Joint Venture

Photo №1

Photo №2

Polatyol & mapa Joint Venture

Photo №3

Photo №4

Polatyol & mapa Joint Venture

ლოკაცია/Location: ზეკნის ქარხანა No 2	თარიღი/Date: 25.03.2024

[illegible]	[illegible]	✖	[illegible]	✖	[illegible]	✖	
[illegible]	[illegible]	✖	[illegible]	✖	[illegible]	✖	

Topic(s) of Instruction / Course Title

ქარხნის დაცვითი ღობისმოწყობი და მათი მნიშვნელობა უსაფრთხო გეოგრაფიული მდებარეობის შესაბამისად. Çevre koruma önlemleri ve bunların sağlıklı bir ekolojik durumun sürdürülmesi açısından önemi.
ამ მოდულს პლასტიკური ჩანაფთის ქარხნის დაბინძურებასა და ეკოსისტემის გამკეთებელი კომპონენტების გამოაშკარავებს ორმხრივ პარტნიორებში. Çevreyi plastik malzemelerle kirletmeyiniz. Yüzyeik kaplan çöp kutularına veya uygun projelere konulmalıdır.
კატეგორიულად აკრძალული მაქვს ამ სახიფათო ნარჩენების დაწვა სამუშაო ობიექტზე ან მის მიმდებარედ (პლასტიკური ტომრები, რეზინის ნაწარმი და სხვა). Şantiyelerde zararlı veya tehlikeli atıkların (plastik kaplar dahil) yakılması kesinlikle yasaktır.
დაუშვებელია ბეტონის ნარჩენის ამ მიმდინარე ნარევში წყლის დაღვრა ისეთ ადგილებში, სადაც ბეტონის ნარჩენის წყალთან შერევა გამოიწვევს უნდა მოხდეს მხოლოდ სპეციალურად გამოყოფილ ადგილებში. Beton artıklarının veya sulusunu yıkanmış suyun, özellikle akan suyun yakınındaki zeminlerin üzerine dökülmesine izin verilmez, bunlar yalnızca özel olarak belirlenmiş alanlara yerleştirilmelidir.
სამუშაო ობიექტზე მაქვს ამ სახიფათო ნარჩენების აღრიცხვის შესახებ ჟურნალში შეტანილი ზედამხედველის(ორობის) ამ ქარხნის დაცვის სპეციალისტს. Şantiyelerde zararlı veya tehlikeli atıkların taşıtı edilmesi durumunda amir (sorumlu) veya çevre koruma uzmanına haber verin.
სახიფათო ნარჩენები უნდა განთავსდეს მხოლოდ მათთვის გამოყოფილ ფრიზებით დასაწყობის კონტეინერებში/ბრეზენტით დაფარულ სახიფათო ნარჩენები განთავსება მაქვს ნარჩენებს). Tehlikeli atıklar yalnızca kendileri için belirlenmiş ve üzerinde uygun işaretlerin (tehlikeli atık, çevreye zararlı atık) bulunduğu geçici depolama konteynerlerine atılmalıdır.

- დასაშვებია სავარჯიშოდ? Çalışmanın dikkatine!!
- მუშაობის პროცესში ყოველთვის დაიცავ შრომის უსაფრთხოების წესებსა და ინსტრუქციებს სამუშაოზე შეკავებული ჩაცმულობით ინსტრუქციის და უსაფრთხოების პროცედურების სრული დაცვით. Çalışma sürecinde iş güvenliği kurallarına her zaman uyacağım. İzinsizliğim talimatlara ve güvenlik prosedürlerine tam uygun şekilde iş yapma sorumluluğunu kabul ediyorum.

- ყოველთვის იმუშავე უსაფრთხოდ!! Daima güvenli çalışın!!
- სამუშაო ადგილის ინსტრუქტაჟი, ასევე სამუშაო პროცესთან დაკავშირებული დაცვების მიღე შესრულება გამოცდებული უნდა იყოს შესრულების სახიათპროცესში ჩართული ადამიანებისთვის ეს ფორმა უნდა ინსტრუქციის შრომის უსაფრთხოების დაცვის ტექნიკის მსგავსი შესრულებით შემოწმება ჩატარდა.
- Herhangi bir olay veya tehlike meydana gelirse sürücü, derhal amiri (sorumlu) ve iş güvenliği hizmeti temsilcisini bilgilendirmekle yükümlüdür.

#	[illegible] Ad Soyad	[illegible] İş Pozisyonu	[illegible] Şirket	[illegible] İmza
1	[illegible]	[illegible]	[illegible]	[illegible]
2	[illegible]	[illegible]	[illegible]	[illegible]
3	[illegible]	[illegible]	[illegible]	[illegible]
4	[illegible]	[illegible]	[illegible]	[illegible]
5	[illegible]	[illegible]	[illegible]	[illegible]
6	[illegible]	[illegible]	[illegible]	[illegible]
7				
8				

Polatyol & mapa Joint Venture

[illegible]

[illegible]/Name [illegible]/Surname	[illegible]/Position	[illegible]/Signature
[illegible]	[illegible]	[illegible]

Polatyol & mapa Joint Venture

Photo №1

Photo №2

Polatyol	Environmental Non-Conformance Report (ENCR)	SMEC

Part 1 – Non-Conformance Description:

Reference Number:	ENCR_172		
Project Name:	Batumi Bypass Road Project	Date raised:	22/03/2024
Contractor Name:	POLATYOL & MAPA JOINT VENTURE		
Location:	Between Tunnel No. 1 Exit Portal and Bridge No. 3 No. 1 [illegible] No. 3 [illegible]		

Non-Conformance details:

The following was recorded:

[illegible]

Waste concrete poured from concrete mixer resulting in soil pollution and damage to trees.

[illegible]

Proposed Corrective Actions:

[illegible]

It is necessary to:

[illegible]

Clean up the area of concrete waste. Transport the waste and store in the pre-defined area designated for concrete waste disposal. Additionally, damaged trees affected by spilled concrete waste must be removed and replaced with compensatory trees. Furthermore, drivers of concrete mixers as well as their supervisors should be trained as per the waste management plan, as drivers should know where to dump the concrete waste in order to prevent environmental damage.

[illegible]

Engineer's Representative: Davit Tevzadze	Signature: [signature]

Part 2 – Corrective Actions (attach any supporting information)

Area was cleaned from concrete waste.
Training for mixer drivers was conducted.
[illegible]

Agreed Close-out Date
Date: 30/03/2024

Contractor's Representative: Jaba Mzhavanadze	Signature: [signature]

Polatyol | Environmental Non-Conformance Report (ENCR) | SMEC

Part 3 – Inspection (evidence to support corrective action implementation)

Date

Engineer's Representative: Davit Tevzadze | Signature:

Closure Date: 26.03.2024

Polatyol | Environmental Non-Conformance Report (ENCR) | SMEC

ENCR_172

Photo No. 1

Polatyol | Environmental Non-Conformance Report (ENCR) | SMEC

Photo No. 2

Photo No. 3

Polatyol & mapa Joint Venture

Photo №1

Photo №2

Polatyol & mapa Joint Venture

ლოკაცია/Location: [illegible] No 2	თარიღი/Date: 25.03.2024

Topic(s) of Instruction / Course Title

[illegible]

[illegible] Çevre koruma önlemleri ve bunlara sağlıklı bir ekolojik durumun sürdürülmesi açısından önemi.
[illegible] Çevreyi plastik malzemelerle kirletmeyiniz. Yiyecek kapları çöp kutularına veya selofan poşetlere konulmalıdır.
[illegible] Şantiyelerde zararlı veya tehlikeli atıklara (plastik kaplar dahil) yakılması kesinlikle yasaktır.
[illegible] Beton artıklarının veya mikserle yıkanmış suyun, özellikle akan suyun yakınındaki nehirlerin üzerine dökülmesine izin verilmez, bunlar yalnızca özel olarak belirlenmiş alanlara yerleştirilmelidir.
[illegible] Şantiyelerde zararlı veya tehlikeli atıklara tespit edilmesi durumunda amir (ustabaşı) veya çevre koruma uzmanına haber verin.
[illegible] Tehlikeli atıklar yalnızca kendileri için belirlenmiş ve üzerinde uygun işaretlerin (tehlikeli atık, çevreye zararlı atık) bulunduğu geçici depolama konteynerlerine atılmalıdır.

- [illegible] Çalışanların dikkatine!!
  - [illegible]
  - Çalışma sürecinde iş güvenliği kurallarına her zaman uyacağım, imzaladığım talimatlara ve güvenlik prosedürlerine tam uygun şekilde iş yapma sorumluluğunu kabul ediyorum
- [illegible] Daima güvenli çalışın!!
  - [illegible]
  - Herhangi bir olay veya tehlike tespit edilme sürecinde, derhal amir (ustabaşı) ve iş güvenliği hizmeti temsilcisini bilgilendirmekle yükümlüdür.

Polatyol & mapa Joint Venture

#	სახელი გვარი Ad /Soyad	სამუშაო პოზიცია İş Pozisyonu	კომპანია Şirket	ხელმოწერა Imza
1	[illegible]	[illegible]	[illegible]	[illegible]
2	[illegible]	[illegible]	[illegible]	[illegible]
3	[illegible]	[illegible]	[illegible]	[illegible]
4	[illegible]	[illegible]	[illegible]	[illegible]
5	[illegible]	[illegible]	[illegible]	[illegible]
6	[illegible]	[illegible]	[illegible]	[illegible]
7				
8				

Polatyol & mapa Joint Venture

ინსტრუქტაჟი ჩაატარა:		
სახელი/Name გვარი/Surname	თანამდებობა/Position	ხელმოწერა/Signature
[illegible]	[illegible]	[illegible]

Polatyol	Environmental Non-Conformance Report (ENCR)	SMEC

Part 1 – Non-Conformance Description:

Reference Number:	ENCR_173		
Project Name:	Batumi Bypass Road Project	Date raised:	01/05/2024
Contractor Name:	POLATYOL & MAPA JOINT VENTURE		
Location:	Adjacent to Bridge No. 5. No. 5 [illegible]		

Non-Conformance details:

The following was recorded:

[illegible]

Construction Waste (Ref. Photo No. 1) and cut tree branches are dumped in the bed of the River Korolistskali (Ref. Photos No. 2 and No. 3).

[illegible] No. 1) [illegible] No. 2 [illegible] No. 3).

Suggested corrective action:

[illegible]

It is necessary:

[illegible]

To clean the river bed from waste and transfer it to the landfill.

[illegible]

Engineer's Representative: Davit Tesradze.	Signature:

Part 2 – Corrective Actions (attach any supporting information)

Construction waste removed from area.
The tree's branches were brought by the river and we have no right to remove them. We may be fined. This is the responsibility of the city municipal service.
[illegible]

Agreed Close-out Date
Date: 04/05/2024

Contractor's Representative: Jaba Mikhavanadze	Signature:

Polatyol	Environmental Non-Conformance Report (ENCR)	SMEC

Part 3 – Inspection (evidence to support corrective action implementation)

Done.

Engineer's Representative:	Davit Tevzadze	Signature:
Closure Date:	23.05.2024	

ENCR_173

Photo No.1

Polatyol	Environmental Non-Conformance Report (ENCR)	SMEC

Photo No.2

Photo No.3

Polatyol & Joint Venture

Photo №1

Photo №2

Polatyol

Environmental Non-Conformance Report (ENCR)

SMEC

Part 1 – Non-Conformance Description:

Reference Number:	ENCR_174		
Project Name:	Batumi Bypass Road Project	Date raised:	12/06/2024
Contractor Name:	POLATYOL & MAPA JOINT VENTURE		
Location:	Tunnel No. 2 Exit Portal / No. 2 [illegible]		

Non-Conformance details:

The following was observed on the territory:

[illegible]

Water mixed with cement and concrete waste poured from a concrete mixer.

[illegible]

Proposed Corrective Measure:

[illegible]

It's necessary:

[illegible]

Clean up the area from concrete waste. Transport the waste and store in the pre-defined area designated for concrete waste disposal. Furthermore, the drivers of concrete mixers as well as their supervisor should be trained as per the waste management plan, as the drivers should know where to dump the concrete waste in order to prevent environmental damage.

[illegible]

Engineer's Representative: Davit Tevzadze — Signature: [signature]

Part 2 – Corrective Actions (attach any supporting information)

Concrete waste and spills were removed from site.
Necessary toolbox talk was conducted.
[illegible]

Agreed Close-out Date
Date: 14/06/2024

Contractor's Representative: Jaba Mzhavanadze — Signature: [signature]

Polatyol

Environmental Non-Conformance Report (ENCR)

SMEC

Part 3 – Inspection (evidence to support corrective action implementation)

Done.

Engineer's Representative:	Davit Tevzadze	Signature:	[signature]
Closure Date:	14.06.2024		

Polatyol | Environmental Non-Conformance Report (ENCR) | SMEC

ENCR_174

Photo No. 1

Polatyol | Environmental Non-Conformance Report (ENCR) | SMEC

Photo No. 2

Polatyol & Mapa Joint Venture

Photo No1

Photo No2

Polatyol & mapa Joint Venture

Photo №3

Polatyol & mapa Joint Venture

[illegible]/Location: [illegible]	[illegible]/Date: 13.06.2024

Type of Instruction/[illegible]	Induction/[illegible]	✖	[illegible]	✖	[illegible]	✖
Language of Instruction/[illegible]	Georgian/[illegible]	✖	English/[illegible]	✖	Turkish/[illegible]	✖

Topic(s) of Instruction / Course Title

[illegible]

[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]

- [illegible]!! Çalışanların dikkatine!!
- [illegible]
- [illegible]
- [illegible]!! Daima güvenli çalışın!!
- [illegible]
- [illegible]

Polatyol & mapa Joint Venture

List of Attendees/[illegible]

N	[illegible]/Name [illegible]/Surname	[illegible]/Position	[illegible]/Company	[illegible]/Signature
1	[illegible]	[illegible]	[illegible]	[illegible]
2	[illegible]	[illegible]	[illegible]	[illegible]
3	[illegible]	[illegible]	[illegible]	[illegible]
4	[illegible]	[illegible]	[illegible]	[illegible]
5				
6				

Polatyol & mapa Joint Venture

[illegible]

[illegible]/Name [illegible]/Surname	[illegible]/Position	[illegible]/Signature
[illegible]	[illegible]	[illegible]

Polatyol & mapa Joint Venture

Photo №1

Polatyol	Environmental Non-Conformance Report (ENCR)	SMEC

Part 1 – Non-Conformance Description:

Reference Number:	ENCR_175		
Project Name:	Batumi Bypass Road Project	Date raised:	14/06/2024
Contractor Name:	POLATYOL & MAPA JOINT VENTURE		
Location:	Contractor's Office and Residential Camp Territory / კონტრაქტორის საოფისე და საცხოვრებელი ბანაკის ტერიტორია.		

Non-Conformance details:

The following was observed on the territory:

ტერიტორიაზე დაფიქსირდა:

Overfilled household waste bins and waste placed outside the bins.

გადავსებული საყოფაცხოვრებო ნარჩენების ურნები და ურნების გარეთ განთავსებული ნარჩენები.

Proposed Corrective Measure:

შემოთავაზებული მაკორექტირებელი ზომები:

It's necessary:

საჭიროა და აუცილებელია:

Removal of household waste from the mentioned territory.

ტერიტორიიდან საყოფაცხოვრებო ნარჩენების გატანა.

Engineer's Representative: Davit Tevzadze	Signature:

Part 2 – Corrective Actions (attach any supporting information)

Household waste was removed from office area.
საყოფაცხოვრებო ნარჩენები გატანილია ოფისის ტერიტორიიდან.

	Agreed Close-out Date: Date: 15/06/2024
Contractor's Representative: Jaba Mzhavanadze	Signature:

Part 3 – Inspection (evidence to support corrective action implementation)

Done.

Engineer's Representative: Davit Tevzadze	Signature:
Closure Date:	17.06.2024

Polatyol	Environmental Non-Conformance Report (ENCR)	SMEC

ENCR_175

Photo No. 1

Polatyol	Environmental Non-Conformance Report (ENCR)	SMEC Member of the Ausenco Lycopg Group

Photo No. 2

Polatyol & MAPA Joint Venture

Photo №1

Photo №2

Polatyol	Environmental Non-Conformance Report (ENCR)	SMEC Member of the Ausenco Lycopg Group

Part 1 – Non-Conformance Description:

Reference Number:	ENCR_176		
Project Name:	Batumi Bypass Road Project	Date raised:	14/06/2024
Contractor Name:	POLATYOL & MAPA JOINT VENTURE		
Location:	Tunnel No. 1 Entrance Portal / No. 1 გვირაბის შესასვლელი პორტალი		

Non-Conformance details:

The following was observed on the territory:

ტერიტორიაზე დაფიქსირდა:

Construction waste placed on the ground and burning of waste on the construction site.

მიწაზე განთავსებული საშენებლო ნარჩენები და საშენებლო ნაგვის დაწვა.

Proposed Corrective Measure:

შემოთავაზებული შესწორებული ზომები:

It's necessary:

საჭიროა:

To clean of the territory from the placed/stored and burnt waste and to provide the regular trainings for staff concerning the proper disposal of all types of waste and the responsibility of working personnel to ensure that the proper waste disposal procedures are followed, as well as to remind that the waste should not be burned on the construction site.

ტერიტორიის დაცლა განთავსებული და დაწვული ნარჩენებისგან. პერსონალისთვის რეგულარული ინსტრუქციის ჩატარება, რომელიც ითვს გაუწევს ყველა სახის ნარჩენის სწორად განთავსება და საშენებლო უბანზე მოქმედი პერსონალის პასუხისგებლობას ნარჩენების სწორად განთავსების პროცედურების დაცვის უზრუნველსაყოფად და ასევე იმის შეხსენება, რომ ნარჩენები არ უნდა იწვებოდეს საშენებლო მიწაზე.

Engineer's Representative: Dasht Tsiradze	Signature:

Part 2 – Corrective Actions (attach any supporting information)

Agreed Close-out Date
Date: 16/06/2024

Contractor's Representative:	Signature:

Polatyol	Environmental Non-Conformance Report (ENCR)	SMEC

Part 3 – Inspection (evidence to support corrective action implementation)	
Engineer's Representative:	Signature:
Closure Date:	

Polatyol	Environmental Non-Conformance Report (ENCR)	SMEC

ENCR_176

Photo No. 1

Polatyol	Environmental Non-Conformance Report (ENCR)	SMEC

Photo No. 2

Polatyol | Environmental Non-Conformance Report (ENCR) | SMEC

Part 1 – Non-Conformance Description:

Reference Number:	ENCR_177		
Project Name:	Batumi Bypass Road Project	Date issued:	18/06/2024
Contractor Name:	POLATYOL & MAPA JOINT VENTURE		
Location:	Tunnel No. 3 Entrance Portal / No. 3 გვირაბის შესასვლელი პორტალი		

Non-Conformance details:

The following was observed:

ტერიტორიაზე დაფანტირება:

Scattered construction waste and burning of the mentioned construction waste at the site

მიმოფანტული სამშენებლო ნარჩენები და სამშენებლო მოედანზე ნარჩენების წვა.

Proposed Corrective Measure:

შემოთავაზებული-მკურნალობელი ზომები:

It's necessary:

საჭიროა:

To clean the territory from the scattered and burnt waste and to conduct the regular training for staff concerning the proper disposal of construction and other waste at the construction site and the responsibility of site personnel to ensure proper waste disposal procedures are followed, as well as to remind that the construction waste should not be burned at the construction site

ტერიტორიის დასუფთავება მიმოფანტული და დამწვარი ნარჩენებისგან. პერსონალისთვის რეგულარული ინსტრუქტაჟის ჩატარება, რომელიც მოიცავს სამშენებლო მოედანზე სამშენებლო და სხვა ნების ნარჩენების სწორად განთავსებას და სამშენებლო უბანზე მოქმედ პერსონალის პასუხისმგებლობას ნარჩენების სწორად განთავსების პროცედურების დაცვის უზრუნველსაყოფად და ასევე იმის შეხსენება, რომ ნარჩენები არ უნდა იწვებოდეს სამშენებლო მოედანზე.

Engineer's Representative: Davit Tevzadze | Signature:

Part 2 – Corrective Action (attach any supporting information)

Agreed Close-out Date: Date: 21/06/2024

Contractor's Representative: | Signature:

Polatyol | Environmental Non-Conformance Report (ENCR) | SMEC

Part 3 – Inspection (evidence to support corrective action implementation)

Engineer's Representative:	Signature:
Closure Date:	

Polatyol | Environmental Non-Conformance Report (ENCR) | SMEC

ENCR_177

Photo No. 1

Polatyol | Environmental Non-Conformance Report (ENCR) | SMEC

Photo No. 2

Photo No. 3

Polatyol | Environmental Non-Conformance Report (ENCR) | SMEC

Part 1 – Non-Conformance Description:

Reference Number:	ENCR_178		
Project Name:	Batumi Bypass Road Project	Date raised:	18/06/2024
Contractor Name:	POLATYOL & MAPA JOINT VENTURE		
Location:	Tunnel No. 5 Exit Portal / No. 5 გვირაბის გამოსასვლელი პორტალი		

Non-Conformance details:

The following was observed:

ტერიტორიაზე დაფანტული:

Scattered construction and household waste.

მშენებლობის სამშენებლო და საყოფაცხოვრებო ნარჩენები.

Proposed Corrective Measure:

შემოთავაზებული-მაკორექტირებელი ზომები:

It's necessary:

საჭიროა და აუცილებელია:

To clean the construction site from household and construction waste and to conduct the regular training for staff concerning the proper disposal of constructions waste at the site and the responsibility of construction site personnel to ensure the compliance with proper waste disposal procedures.

სამშენებლო მოედნის საყოფაცხოვრებო და სამშენებლო ნარჩენებისაგან გასუფთავება და პერსონალთან რეგულარული ინსტრუქტაჟის ჩატარება, რომელიც ითვლის სამშენებლო მოედანზე ნარჩენების სწორად განთავსებასა და სამშენებლო უბანზე მომუშავე პერსონალის პასუხისმგებლობას ნარჩენების სწორად განთავსების პროცედურების დაცვის უზრუნველსაყოფად.

Engineer's Representative: Davit Tevzadze | Signature:

Part 2 – Corrective Action (attach any supporting information)

Agreed Close-out Date: Date: 21/06/2024

Contractor's Representative: | Signature:

Polatyol | Environmental Non-Conformance Report (ENCR) | SMEC

Part 3 – Inspection (evidence to support corrective action implementation)

Engineer's Representative:	Signature:
Closure Date:	

Polatyol | Environmental Non-Conformance Report (ENCR) | SMEC

ENCR_178

Photo No. 1

Polatyol | Environmental Non-Conformance Report (ENCR) | SMEC

Photo No. 2

Photo No. 3

Polatyol | Environmental Non-Conformance Report (ENCR) | SMEC

Photo No. 4

Annex 7. Training

Training regarding AIDS and Hepatitis held on 28.02.2024 and 30.05.2024

Attendance List

No	Name, Surname	Company	Signature
1			
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Contractor Camp

28.02.2024

Attendance List

No	Name, Surname	Company	Signature
1			
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Contractor Camp

30.05.2024

Annex 8. information regarding the location and number of trees cut,

No	Location (from km – to km)	Description	Cut Trees nos.
1	km 00+000 ~ km 00+650	Tree cutting and removal of trees	57 nos
2	km 00+650 ~ km 00+780	Tree cutting and removal of trees	7 nos
3	km 00+780 ~ km 00+970	Tree cutting and removal of trees	141 nos
4	km 01+440 ~ km 01+800	Tree cutting and removal of trees	160 nos
5	km 01+800 ~ km 02+050	Tree cutting and removal of trees	94 nos
6	km 02+050 ~ km 02+250	Tree cutting and removal of trees	105 nos
7	km 02+250 ~ km 02+266	Tree cutting and removal of trees	39 nos
8	km 02+990 ~ km 03+500	Tree cutting and removal of trees	199 nos
9	km 03+500 ~ km 04+000	Tree cutting and removal of trees	323 nos
10	km 04+000 ~ km 04+500	Tree cutting and removal of trees	120 nos
11	km 04+500 ~ km 05+000	Tree cutting and removal of trees	19 nos
12	km 05+000 ~ km 05+500	Tree cutting and removal of trees	25 nos
13	km 05+500 ~ km 06+030	Tree cutting and removal of trees	65 nos
14	km 06+700 ~ km 07+700	Tree cutting and removal of trees	742 nos
15	km 08+500 ~ km 08+800	Tree cutting and removal of trees	860 nos
16	km 08+800 ~ km 09+220	Tree cutting and removal of trees	430 nos
17	km 09+220 ~ km 09+560	Tree cutting and removal of trees	666 nos
18	km 10+060 ~ km 10+500	Tree cutting and removal of trees	640 nos
19	km 10+500 ~ km 11+000	Tree cutting and removal of trees	268 nos
20	km 11+000 ~ km 11+500	Tree cutting and removal of trees	267 nos
21	km 11+500 ~ km 12+000	Tree cutting and removal of trees	84 nos
22	km 12+000 ~ km 12+400	Tree cutting and removal of trees	311 nos
23	km 12+400 ~ km 12+640	Tree cutting and removal of trees	324 nos
24	km 12+640 ~ km 12+830	Tree cutting and removal of trees	563 nos
		Total Cut Trees:	6,509.00 **nos**