

Attachment 2 Construction of Bakurtsikhe-Tsnori Road Section

Semi-annual Environmental Monitoring Report

Project Number: 50064-001

Semestral Report (January - June 2022) Revision 02

October 2022

Georgia: Batumi Bypass Road Project

Construction of Bakurtsikhe-Tsnori Road Section

Project Number: 50064-001

Loans Numbers: Loan 3520-GEO: Batumi Bypass Road Project - ADB

2nd Semestral Environmental Monitoring Report (January-June 2022) Construction of Bakurtsikhe-Tsnori Road Section

Prepared by Construction Supervision Consultant for the Road Department of the Ministry of Regional Development and Infrastructure and Asian Development Bank

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1 INTRODUCTION

1.1 Preamble

The project, managed by the Roads Department under the Ministry of Regional Development and Infrastructure, aims at the Supervision of the Construction of the Bakurtsikhe -Tsnori Road Section, financed by the Asian Development Bank (ADB)

This road section is part of the international Tbilisi- Bakurtsikhe -Lagodekhi (Azerbaijan Border) road/highway, which is the main route connecting Tbilisi and the Kakheti Region and the transit corridor to Azerbaijan.

The existing Bakurtsikhe -Tsnori Road is two-laned with a width of 6.5-9.0 metres, passing through densely populated villages, which poses considerable road safety risks.

The new road will be two-lane one-carriageway with a design speed of 100 km/h and will have a length of about 16.2 km, including two interchanges and 19 bridges.

A team from IRD Engineering will carry out the duties of “The Engineer” according to “FIDIC Conditions of Contract for Construction for Building and Engineering Works designed by the Employer”, Pink Book, including the management of any variations and claims occurring during the implementation.

The overall objective of the assignment is to ensure a high-quality construction and that all works are carried out in full compliance with the engineering design, technical specification described in the civil works contracts, so that the contractor completes the construction within the agreed total price and time schedule.

The Engineer prepared this SAESMR in accordance with the requirements under the Supervision of the Construction of Bakurtsikhe-Tsnori Road Section, requirements under the Section 7. Terms of Reference, TASK 3: Environmental Support and Monitoring, paragraph (xviii) draft semi-annual environmental safeguard monitoring reports.

This Report represents the Semi-annual Environmental Monitoring Report (SAEMR) for the reporting period from 01st of January 2022 until 30th of June 2022, for the Construction of Bakurtsikhe-Tsnori Road Section; presenting the required information in a format stipulated required by the Asian Development Bank (ADB).

1.2 Headline Information

1. The contract for Project Management Consultancy Services (PMCS) between Roads Department (RD) and Joint Venture IRD Engineering S.R.L and GMC Consulting LLC Authorized Representative was signed on 19 October 2021 and the contract for the

construction of Bakurtsikhe-Tsnori Road Section between RD and China Road and Bridge Corporation was signed on 29 November 2021. Awarded contracts included EMPs cleared by ADB and conditions of national EIA clearance.

During the reporting period, the Contractor's Site Specific Environmental Management Plan (SSEMP) has not been approved by the Engineer. The Engineer's International Social/Environmental Specialist as well as the National Environmental Specialist are in close communication with the Contractor's Environmental Specialist, in order to facilitate the completion of the Contractor's SSEMP in the content which satisfies the Works Contract requirements, for the Engineer's approval.

In order the Contractor's Site Specific Environmental Management Plan (SSEMP) is approved by the Engineer, the Contractor have been instructed by the Engineer to proceed all in accordance with the requirements under the ORDER N2-1050 dated 06/11/2019 issued by the Minister of Environmental Protection and Agriculture of Georgia.

On 16 June 2022, at the Engineer's premises in Tsnori, the Engineer organized and held the Orientation Session with the Representatives of the Contractor, the Engineer, the Employer, the ADB, presenting and discussing the:

- compliance monitoring system to be used, notification of non-compliance, and the process of requiring the contractor to implement corrective measures when necessary;
- guidance on how its SSEMP will be implemented including the: requirements for each mitigation measure and implementation schedule of each mitigation measure taking into consideration the general requirement that no specific construction activity will be approved to be commenced if the associated mitigation measures for such activity are not ready before work commences.

2 PROJECT DESCRIPTION AND CURRENT ACTIVITIES

2.1 Project Description

2. Provide a brief description of the project. – this should not vary from one report to the next. The Tbilisi-Bakurtsikhe-Lagodekhi international road (S-5) connects Tbilisi with Lagodekhi city and the State border with Azerbaijan, as well as with the cities of Kakheti. The Bakurtsikhe-Tsnori section is located along the Tsvigombori ridge and passes through densely populated villages in Gurjaani and Signaghi districts and several ravines. The deteriorating condition of the existing road and high levels of congestion, including from a large number of heavy goods vehicles (HGVs), has reduced road safety and limited the ability to accommodate future projected traffic. This is particularly problematic on the Bakurtsikhe-Vakiri section of the road where the existing alignment runs through the villages of Bakurtsikhe, Kardenakhi, Anaga, and Vakiri. The road does not currently meet the necessary international standards and there is no feasible option to improve the existing road without requiring demolition of infrastructure (houses, land plots, etc.) and resettlement.

The Bakurtsikhe-Tsnori road section is expected to be designed and built in the Alazani lowland along a new alignment bypassing the settled areas along the existing road. The new road section will branch from the Bakurtsikhe - Gurjaani bypass road, which is presently under construction, at approximately km 1.8. The road continues north-east crossing an irrigation canal and then turning right to run parallel to the canal in a south-easterly direction before connection with the S-5 Tbilisi - Lagodedekhi. The length of the new road is approximately 16 km, starting at km 0+600 and ending at km 16+809. The road is located within Gurjaani Municipality (Bakurtsikhe) and Signaghi Municipality (Tsnori).

To provide adequate access to the villages being bypassed, a diamond interchange at km 11+386 is planned. The secondary road where the new interchange will connect will be rehabilitated/paved. The length of the secondary road is approximately 1,100 m and the paved carriageway width will be 6 m with 0.50 m gravel shoulder on both sides. While final designs of the secondary road still need to be developed by the design-build Contractor, the upgraded road will stay within the exiting right-of-way (ROW)¹. The secondary road currently connects the village of Vakiri to a service road running parallel to the agriculture channel and the proposed road. The secondary road is now being utilized by local residents and farmers and the numbers of vehicles is very low. Since the secondary road will be the only connection along the new road between Bakurtsikhe and Tsnori, the number of users is expected to increase however.

The Project area is sparsely populated and highly agricultural. The area is characterized by a large number of small-scale farms and land acquisition and resettlement was identified immediately as key issue of concern in defining alignment alternatives. There were particular concerns around land parcels not officially registered and with the

anticipated impact on agriculture land being for production of fruit and grapes in the planned ROW. The map of the project road is given in the **Figure 1** below.



¹ Davit Getsadze, Roads Department, pers. comm. 2019.

The project is classified as category B for the environment under ADB's Safeguard Policy Statement (2009). Project implementation period is: 2021-2025.

The Roads Department of Georgia under the Ministry of Regional Development and Infrastructure of Georgia submitted the IEE to the Minister of the Environmental Protection and Agriculture of Georgia on 06.09.2019 for approval.

Based on submitted documentation Environmental Decision dated 06.11.2019 (order N2-1050) was issued by the Ministry of the Environmental Protection and Agriculture of Georgia.

2.2 Project Contracts and Management

3. The main organisations involved in the project and relating to Environmental Safeguards. Contact details of Asian Development Bank (ADB), Supervision Consultant (SC), Construction Contractor (CC), and Roads Department (RD) representatives are given in *Table 1* below.

Table 1: Main Environmental Staff (Key Personnel) of the ADB, SC, CC, and RD

Organisation	Position	Name	Nationality
ADB	Head Office, Environmental Specialist, Portfolio, Results, Safeguards and Gender Unit (PSG), CWRD	Name: Ninette Pajarillaga E-mail: npajarillaga@adb.org	Philippines
	ADB National Environmental Safeguards Consultant	Name: Giorgi Kobaladze Cell: +995599689834 e-mail: gkobaladze.consultant@adb.org	Georgian
	Associate Safeguards Officer Georgia Resident Mission	Name: Nino Nadashvili Cell: +995 595 070442 E-mail: nnadashvili@adb.org	Georgian
RD	Environmental Specialist	Name: Luiza Bubashvili Cell: +9995219141 E-mail: likabubashvili@yahoo.com	Georgian
	Head of Environmental Unit	Name: Gia Sopadze Cell: +10599939209 E-mail: sopgia@gmail.com	Georgian
CSC	International Social/Environmental Specialist	Name: Biljana Manevska, Cell: +389 75 328 338 E-mail: b.manevska@irdeng.com	Macedonian
	National Environmental Expert	Name: Nino Jangulashvili Cell: +995592030578 E-mail: ninka72@gmail.com	Georgian
CC	Project Manager	Name: Wang Fuhua Address: 19, Nikoloz Dgebuadze Str., 0102 Tbilisi, Georgia	Chinese
	Environmental Protection Engineer	Zviad Sherazadishvili Cell: +995 577 41 85 63 E-mail: d11211208@hotmail.com	Georgian

4. The Employer is the Roads Department of Georgia under the Ministry of Regional Development and Infrastructure of Georgia, the Construction Supervision Consultant is the Joint Venture IRD Engineering s.r.l. (ITA) & GMC Consulting (AZE), the Contractor is the China Road and Bridge Corporation (CRBC).

The Works Contract is managed in accordance with the Conditions of Contract for Construction under the Multilateral Development Bank Harmonised Edition June 2010 (Pink Book).

The description of how the contracts are being managed and names of key personnel, are provided in the following tabulated lists.

Table 2: Construction Supervision Consultant (CSC)

Description of Contract Data & Milestones	Remarks
Project Name	Supervision of the Construction of Bakurtsikhe-Tsnori Road Section, Batumi Bypass Project.
Employer Name & address	Roads Department of Georgia under the Ministry of Regional Development and Infrastructure of Georgia Al.Kazbegi Avenue 12, 0160 Tbilisi
Employer's Representative Name	Mrs. Salome Tsursumia, Deputy Chairperson of the Roads Department
Consultant	Joint Venture IRD Engineering s.r.l. (ITA) & GMC Consulting (AZE)
Consultant's Representative Name	Boris Spasov, Team Leader
Financing Source	ADB, AIIB
Date of Commencement of Work	1 March 2022
Construction Supervision Contract Period <ul style="list-style-type: none"> • for the works • for defect period <u>Total</u> 	<ul style="list-style-type: none"> • 24 months • 24 months • 48 months
Construction Contract Period <ul style="list-style-type: none"> • for the works • Defects Notification period 	<ul style="list-style-type: none"> • 24 calendar months • 730 days
Original Contract Price	USD: 98,860.40 EURO: 695,374.00 GEL: 2,764,386.00
Total Advance Payment	N/A
Contract Time Elapsed since the Commencement date up to end of June 2022	121 days

Table 3: Construction Contractor (CC)

Description of Contract Data & Milestones	Remarks
Project Name	Construction of Bakurtsikhe-Tsnori Road Section, Batumi Bypass Project.
Employer Name & address	Roads Department of Georgia under the Ministry of Regional Development and Infrastructure of Georgia Al.Kazbegi Avenue 12, 0160 Tbilisi
Contractor's Name	China Road and Bridge Corporation (CRBC)
Financing Source	ADB, AIIB
Date of Contract Agreement	29 November 2021
Date of Commencement of Work	16 March 2022
Time for Completion	24 months
Original Contract Price	87,857,420.53 GEL
Defects Notification Period	730 days
Performance Security	10 % of the Contract Price
Delay Damages payable for each day of delay	0.1 % of the Accepted Contract Amount
Maximum Amount of Delay Damages	10 % of the Accepted Contract Amount
Total Advance Payment	15 % of the Accepted Contract Amount
Percentage of Retention Money	5 %
Limit of Retention Money	5 % of the Accepted Contract Amount
Contract Time Elapsed since the Commencement date up to end of June 2022	106 days

2.3 Project Activities During Current Reporting Period

5. Technical Details of the Construction of Bakurtsikhe-Tsnori Road Section, Batumi Bypass Project, are as follows:

Cross section

- Number of lanes : 2
- Lane width : 3.5m;
- Carriageway width : 2 x 3.5m = 7 m
- Width of shoulder : 2.5m paved and 0.5 m unpaved (total 3.0 m)

Pavement

- Wearing course- Asphalt : 40 mm
- Base course-Asphalt : 120 mm
- Crushed Aggregate Base Course : 200 mm
- Sub base capping layer : 400 mm

Structures

- Bridges : 6 nos
- Box-Culverts : 7 nos
- Underpasses : 15 nos
- Reinforced concrete pipe culverts : 24 nos

6. With the Engineer's letter ref. no. GEO013-22-002 dated 15 March 2022, the Engineer issued to the Contractor the Notice of Commencement Date for Construction Works. With the Engineer's letter ref. no. GEO013-22-005 dated 18 April 2022, the Engineer approved the Contractor's Method Statement for Setting Out and site Clearance Rev1. The importance of this information is because during the reporting period, the Contractor only had activities for site Clearance. *Please refer to the following Figure 1.*



Figure 1 – Contractor’s activities for site Clearance dated 17th of June 2022

During the reporting period from 01st of January 2022 until 30th of June 2022, the Contractor’s Site Specific Environmental Management Plan (SSEMP) has not been approved by the Engineer. The Engineer’s International Social/Environmental Specialist as well as the National Environmental Specialist were in close communication with the Contractor’s Environmental Specialist, in order to facilitate the completion of the Contractor’s SSEMP in the content which satisfies the Works Contract requirements, for the Engineer’s approval.

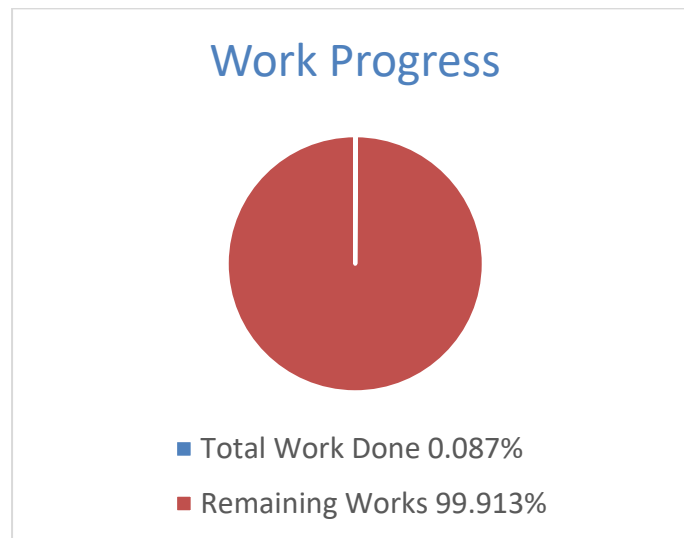
In order the Contractor’s Site Specific Environmental Management Plan (SSEMP) to be approved by the Engineer, the Contractor have been instructed by the Engineer to proceed all in accordance with the requirements under the ORDER N2-1050 dated 06/11/2019 issued by the Minister of Environmental Protection and Agriculture of Georgia, which include requirements for the Employer transferred to the Contractor with the Works Contract, which as a minimum are as follows:

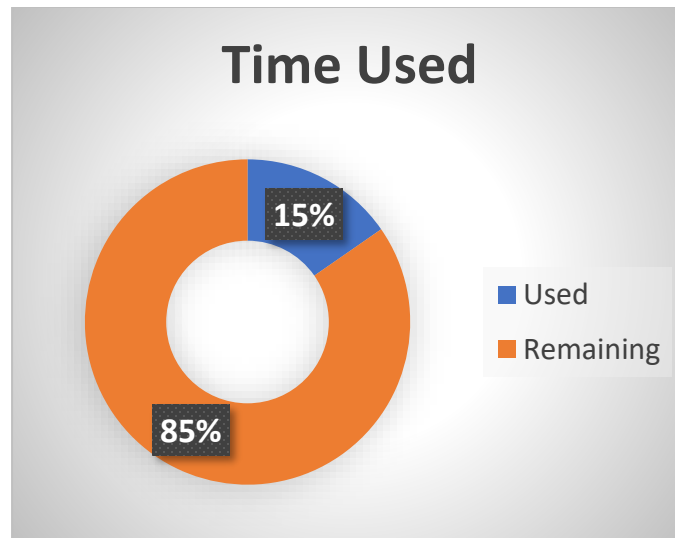
- a. To issue the environmental decision on the construction and operation of a 16 km section of the Bakurtsikhe-Tsnori road submitted by the Roads Department of Georgia;
- b. The environmental decision provided for in paragraph 1 of the Order shall be issued for an indefinite period;
- c. The Roads Department of Georgia shall ensure the implementation of activities in accordance with the submitted environmental impact assessment report and attached documents, presented scheme, expected environmental impact mitigation measures, environmental monitoring and emergency response plans, conclusions and recommendations;

- d. Before starting the construction of the project road, the Roads Department of Georgia shall provide the Ministry with accurate information on the sources to be used for water supply during the construction process and the amount of water stipulated for this purpose;
- e. The Roads Department of Georgia shall ensure continuous irrigation of roads during the construction of the project road;
- f. Prior to the construction of the project road, the Roads Department of Georgia shall ensure the elaboration of a detailed design of the construction camps together with the shape files and their submission to the Ministry for approval, and in case the water will be discharged in the surface water bodies, as well as if stationary sources of air pollution are present in the project area, it is obligatory for the direct operator to agree with the Ministry the draft Technical Report on Stationary Sources of Air Pollution and Inventory of Pollutants Emitted by Them and draft Norms for Maximum Permissible Discharge of Pollutants and Wastewater into Surface Water Bodies;
- g. During the construction and operation of the project road the Roads Department of Georgia shall ensure the monitoring of noise and vibration levels in the vicinity of the nearest settlement and in case of exceeding the levels established by law, take mitigation measures (protective screen, planting), etc.;
- h. After the completion of the construction of the project road, the Roads Department of Georgia shall ensure the restoration/recultivation of the areas of construction camps/site to their original condition;
- i. Before starting the construction of the project road the Roads Department of Georgia shall ensure the submission of detailed projects of waste rock dumps to the Ministry for approval, along with shape files;
- j. Before starting the construction of the project road, the Roads Department of Georgia shall, if necessary, submit to the Ministry for approval the following information in order to determine additional mitigation and/or compensatory measures:
 - Detailed information on the species and number of plants that are planned to be removed from the environment as a result of the project. In case of need to remove from the environment the species protected by the Red List of Georgia, to take actions in accordance with the requirements of the legislation of Georgia. In addition, species with a diameter of less than 8 cm should be transplanted in an appropriate environment.
 - Additional information on impacts on animals and habitats as a result of logging.
 - Detailed biodiversity monitoring plan;
- k. The Roads Department of Georgia shall not carry out the construction of the project road without the relevant conclusion of the National Agency for Cultural Heritage Preservation of Georgia.
- l. Before starting the construction of the project road, the Roads Department of Georgia shall agree with the Ministry the Waste Management Plan drawn up in

accordance with the Order N211 of the Minister of Environment and Natural Resources Protection of Georgia of August 4, 2015 and carry out activities in accordance with the agreed plan;

- m. In case of crossing an irrigation canal, before the construction of the project road the Roads Department of Georgia shall ensure the agreement with the Sakartvelos Melioratsia Ltd. and submit the document confirming the agreement to the Ministry.
 - n. The Roads Department of Georgia shall immediately notify the Ministry of Environment Protection and Agriculture of Georgia of the commencement, completion and commissioning of the project road;
 - o. In case of transfer of an environmental decision to another person, the Roads Department of Georgia shall transfer the environmental decision in accordance with the rules established by the Environmental Assessment Code;
7. The 15% of the contract time has elapsed and the overall achieved progress is 0.087 %. Progress in terms of advance payment 15.00%, which was paid during December, 2021.





2.4 Description of Any Changes to Project Design for Construction of Construction of Bakurtsikhe-Tsnori Road Section

8. There is no change to Project Design for Construction of Construction of Bakurtsikhe-Tsnori Road Section.

9. There are no significant changes which have occurred for Construction of Construction of Bakurtsikhe-Tsnori Road Section.

2.5 Description of Any Changes to Agreed Construction methods for Construction of Construction of Bakurtsikhe-Tsnori Road Section

10. There are no changes to any construction processes for Construction of Construction of Bakurtsikhe-Tsnori Road Section.

3 ENVIRONMENTAL SAFEGUARD ACTIVITIES

3.1 General Description of Environmental Safeguard Activities

11. During the reporting period from 01st of January 2022 until 30th of June 2022, the Contractor's Site Specific Environmental Management Plan (SSEMP) has not been approved by the Engineer. The Engineer's International Social/Environmental Specialist as well as the National Environmental Specialist are in close communication with the Contractor's Environmental Specialist, in order to facilitate the completion of the Contractor's SSEMP in the content which satisfies the Works Contract requirements, for the Engineer's approval.

In order the Contractor's Site Specific Environmental Management Plan (SSEMP) is approved by the Engineer, the Contractor have been instructed by the Engineer to proceed all in accordance with the requirements under the ORDER N2-1050 dated 06/11/2019 issued by the Minister of Environmental Protection and Agriculture of Georgia.

Also, the Contractor was requested by the Engineer, officially to submit to the Engineer copies of all necessary Permit documents obtained from the corresponding Government Authorities. The Engineer's request refers to the Permissions/Licenses/Contracts/Accreditations which the Contractor did not fulfil during the reporting period from 01st January 2022 until 30th of June 2022, and are as follows:

- Permission for cutting the trees
- Permission for disposal area
- Borrow pit licences
- Permission for Environmental Discharges & Emissions
- Contract concluded between the Contractor and the authorised Company for collection, transport, and disposal on approved location, of the Contractor's communal waste.
- Contract concluded between the Contractor and the authorised Company for collection, transport, and disposal on approved location, of the Contractor's construction waste.
- Contract concluded between the Contractor and the authorised Company for collection, transport, and disposal on approved location, of the Contractor's hazardous waste.
- Information about the Contractor's Accredited Laboratory, which the Contractor will use for sampling, testing, and providing Testing Reports on quality of mediums (air quality, soil quality, quality of surface water, quality of waste water, level of noise, etc.) for baseline conditions and further for monitoring.

The Engineer established monitoring indicators as mainly descriptive with gradation of:

- Not fulfilled which refers to fulfilled Works Contract requirement from 0% to 25%;

- Mainly not fulfilled which refers to fulfilled Works Contract requirement from 25% to 50%;
- Mainly fulfilled which refers to fulfilled Works Contract requirement from 50% to 75%; and
- Fulfilled which refers to fulfilled Works Contract requirement from 75% to 100%.

It is important to underline that the monitoring indicator for the reporting period, is the average value for fulfilment of each corresponding Works Contract requirement. During the reporting period the Contractor not fulfilled the Contract requirements i.e. the Contractor fulfilled from 0% to 25% of the Works Contract requirements.

On 16 June 2022, at the Engineer's premises in Tsnori, the Engineer organized and held the Orientation Session with the Representatives of the Contractor, the Engineer, the Employer, the ADB, presenting and discussing the:

- compliance monitoring system to be used,
- notification of non-compliance, and
- the process of requiring the contractor to implement corrective measures when necessary.

3.2 Site Audits

12. Following details present the formal audits undertaken by environmental safeguard process staff during the current reporting period.

Site inspection from km 0+000 to km 16+585, has been performed by the Engineer's International Social/Environmental Specialist on 17th of June 2022, all in accordance with the with the requirements under the Supervision of the Construction of Bakurtsikhe-Tsnori Road Section, requirements under the Section 7. Terms of Reference, TASK 3: Environmental Support and Monitoring, paragraph (xii) undertake monthly inspection, monitoring and reporting of construction sites and all construction-related facilities (workers' camps, asphalt batching plants, concrete batching plants, borrow pits, disposal sites for spoil and unsuitable materials, equipment maintenance areas, fuel and materials storage sites, project-specific quarries and crushers, etc.) to assess the contractor's compliance with the SEMP's and the Project EMP.

- The method adopted for the site Monthly Environmental and Social Monitoring Check List (MESMCL) inspection was established as mutual with the Contractor' and the Engineer's Environmental Specialists, including visual inspection, interviews with workers, review of permits obtained, discrepancies identified at site in terms of mitigation measures required under the Mitigation Plan and Monitoring Plan, and agreed deadline for corrections of mutually identified discrepancies.
- Usage of Daily Environmental Monitoring Check List would be by the CSC's Engineers when necessary. Specific Training Program for the CSC's Engineers is planned by the Engineer's International Social/Environmental Specialist for 01st

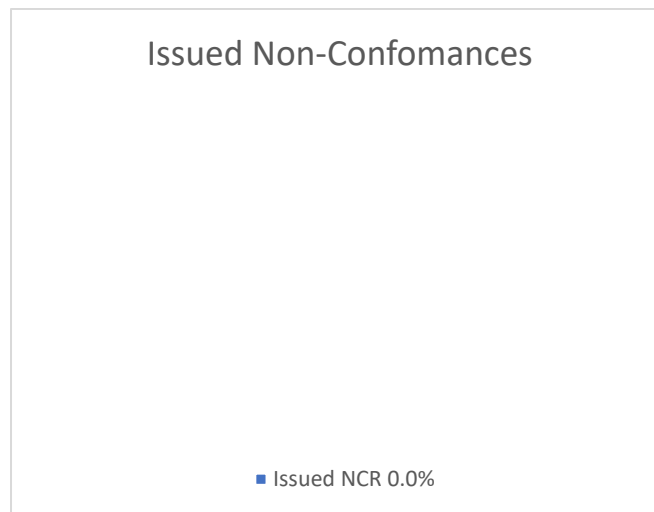
July 2022 I.E. the next SAEMR number 3 reporting period from 01st July 2022 until 31st December 2022.

3.3 Issues Tracking (Based on Non-Conformance Notices)

13. No Non-Conformance Notices has been issued to the Contractor by the CSC during the reporting period (Jan-Jun 2022).

The Engineer’s International Social/Environmental Specialist as well as the National Environmental Specialist are in close communication with the Contractor’s Environmental Specialist, in order to facilitate the completion of the Contractor’s SSEMP in the content which satisfies the Works Contract requirements, for the Engineer’s approval.

Figure 3-1 - Summary of Issues by Non-Conformance



3.4 Trends

14. To identify trends in issues, please find the following Table 6, with the information from previous period reports and the current period information.

Table 6: Trend in issues from the previous reporting period SAEMR (July-December 2021)

Number	Total No of Issues	% issues Closed	% issues closed late
1	0	0	0

Table 7: Trend in issues from the current reporting period SAEMR (January-June 2022)

Number	Total No of Issues	% issues Closed	% Issues closed late
1	13	0	0

NOTE: Description of each issue separately is presented in the next Table 8 of the bullet point 15.

15. The commentary on the trends, are presented in the following Table 8.

Table 8: Commentary on the trends for the current reporting period SAEMR (January-June 2022)

Issue number	Description of Issues	Note
1	Requirements under the ORDER N2-1050 dated 06/11/2019 issued by the Minister of Environmental Protection and Agriculture of Georgia , not fulfilled by the Contractor.	
2	SSEMP not completed by the Contractor to be approved by the Engineer.	
3	Construction Vibration Management Plan not submitted by the Contractor.	
4	No information about the Contractor's Accredited Laboratory for monitoring the quality of mediums.	
5	Baseline monitoring for quality of mediums not performed by the Contractor.	
6	Contractor's Permission for disposal area not submitted by the Contractor.	
7	Contractor's Borrow pit licenses not submitted by the Contractor.	
8	Permission for Environmental Discharges & Emissions, not submitted by the Contractor.	
9	Contract concluded between the Contractor and the authorised Company for collection, transport, and disposal on approved location, of the Contractor's communal waste, not submitted by the Contractor.	
10	Contract concluded between the Contractor and the authorised Company for collection, transport, and disposal on approved location, of the Contractor's construction waste, not submitted by the Contractor.	
11	Contract concluded between the Contractor and the authorised Company for collection, transport, and disposal on approved location, of the Contractor's hazardous waste, not submitted by the Contractor	

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Issue number	Description of Issues	Note
12	Climate change studies not provided by the Contractor.	
13	HIV (Human Immunodeficiency Virus) Awareness Program covering of HIV/AIDS management plan, orientation and awareness to workers about sexually transmitted diseases (STD), screening tests of workers, distribution of promotional material, etc. not provided by the Contractor.	

16. No Non-Conformance Notices has been issued to the Contractor by the CSC during the reporting period.

17. N/A

18. N/Y

4 RESULTS OF ENVIRONMENTAL MONITORING

4.1 Overview of Monitoring Conducted during Current Period

19. No environmental baseline monitoring for the quality of mediums (quality of soil, quality of air, surface water quality, and level of noise) have been provided by the Contractor.
20. Specific Environmental Management Plan and/or Monitoring Plan.
21. Following Table 8 presents the description of the issues for the current reporting period SAEMR (January-June 2022).

Table 9 – Description of issues for the current reporting period SAEMR (January-June 2022)

Issue number	Description of Issues	Note
1	Requirements under the ORDER N2-1050 dated 06/11/2019 issued by the Minister of Environmental Protection and Agriculture of Georgia , not fulfilled by the Contractor.	
2	SSEMP not completed by the Contractor to be approved by the Engineer.	
3	Construction Vibration Management Plan not submitted by the Contractor.	
4	No information about the Contractor's Accredited Laboratory for monitoring the quality of mediums.	
5	Baseline monitoring for quality of mediums not performed by the Contractor.	
6	Contractor's Permission for disposal area not submitted by the Contractor.	
7	Contractor's Borrow pit licenses not submitted by the Contractor.	
8	Permission for Environmental Discharges & Emissions, not submitted by the Contractor.	
9	Contract concluded between the Contractor and the authorised Company for collection, transport, and disposal on approved location, of the Contractor's communal waste, not submitted by the Contractor.	
10	Contract concluded between the Contractor and the authorised Company for collection, transport, and disposal on approved location, of the Contractor's construction waste, not submitted by the Contractor.	

Issue number	Description of Issues	Note
11	Contract concluded between the Contractor and the authorised Company for collection, transport, and disposal on approved location, of the Contractor's hazardous waste, not submitted by the Contractor	
12	Climate change studies not provided by the Contractor.	
13	HIV (Human Immunodeficiency Virus) Awareness Program covering of HIV/AIDS management plan, orientation and awareness to workers about sexually transmitted diseases (STD), screening tests of workers, distribution of promotional material, etc. not provided by the Contractor.	

22. No data available.

4.2 Trends

23. No data available.

4.3 Summary of Monitoring Outcomes

24. No environmental baseline monitoring for the quality of mediums (quality of soil, quality of air, surface water quality, and level of noise) have been provided by the Contractor during the reporting period.

4.4 Material Resources Utilisation

4.4.1 Current Period

25. No information provided by the Contractor, which have been officially requested by the Engineer, as well as communicated by telephone and e-mails.

4.4.2 Cumulative Resource Utilisation

26. No information provided by the Contractor, which have been officially requested by the Engineer, as well as communicated by telephone and e-mails.

4.5 Waste Management

27. No information provided by the Contractor, which have been officially requested by the Engineer, as well as communicated by telephone and e-mails.

4.5.1 Current Period

28. No information provided by the Contractor, which have been officially requested by the Engineer, as well as communicated by telephone and e-mails.

29. No information provided by the Contractor, which have been officially requested by the Engineer, as well as communicated by telephone and e-mails.

4.5.2 Cumulative Waste Generation

30. No information provided by the Contractor, which have been officially requested by the Engineer, as well as communicated by telephone and e-mails

31. Health and Safety

4.5.3 Community Health and Safety

32. No incidents occurred during the reporting period which resulted in or could have resulted in Community Health and Safety issues. No traffic accidents occurred during the reporting period.

4.5.4 Worker Safety and Health

33. There is no statistics on accident rates, including Lost Time Incidents, Accidents and near misses.

34. On 16 June 2022, at the Engineer's premises in Tsnori, the Engineer organized and held the Orientation Session with the Representatives of the Contractor, the Engineer, the Employer, the ADB, attention has been also give to the Health and Safety Management.

4.6 Training

35. The Contractor did not provide any information about any HSE training provided during the reporting period.

36. On 16 June 2022, at the Engineer's premises in Tsnori, the Engineer organized and held the Orientation Session with the Representatives of the Contractor, the Engineer, the Employer, the ADB, presenting and discussing the:

- compliance monitoring system to be used,
- notification of non-compliance, and
- the process of requiring the contractor to implement corrective measures when necessary.

37. Following is the list of training planned for the next reporting period SAEMR (July-December 2022).

Table 9: Description of Training planned for the next reporting period SAEMR (July-December 2022)

2nd Semestral Environmental Monitoring Report (January-June 2022) Construction of Bakurtsikhe-Tsonori Road Section

Issue number	Description of Training planned for the next reporting period	Note
Health and Safety		
1	Contractor's introduction training for the visitors	
2	Contractor's regular H&S training for the employers (workers)	
3	Contractor's training for HIV/AIDS STD	
4	Contractor's training for SARS-CoV-2	
5	Contractor's training of the employers (workers) on potential hazards. This shall include (but not limited to) the following hazards: <ul style="list-style-type: none"> o Falling from height; o Falling into water; o Entanglement with machinery; o Tripping over permanent obstacles or temporary obstructions; o Slipping on greasy walkways; o Falling objects; o Contact with dangerous substances; o Electric shock; o Variable weather conditions; o Lifting excessive weights; and o Traffic operations. 	
Environmental protection		
5	Contractor's training for environmental protection to the employers (workers)	
6	Contractor's training on top-soil management	
7	Engineer's training for the Site Engineers (usage of Check Lists)	
8	Engineer's orientation sessions as during the works execution, necessity would occur.	

5 FUNCTIONING OF THE SEMP

5.1 SEMP Review

38. The Contractor has minor activities at site (*please refer to herein chapter 9*). The Engineer has proactive approach and facilitates the process of the Contractor's SEMP completion.
39. N/A
40. After the Contractor's training on top soil management, improvements are expected.
41. Comment to the Mitigation Plan and to the Monitoring Plan, if any, would be presented during the next reporting period.
42. N/A

6 GOOD PRACTISE AND OPPORTUNITY FOR IMPROVEMENT

6.1 Good Practice

43. Planting trees which have been cut or are to be cut would improve the environment which decrease the risk of climate changes. Such good practise showed as beneficial to the Project as well as to the local communities.

6.2 Opportunities for Improvement

44. Any additional opportunity for improvement than the one discussed in herein chapter 45, would be discussed during the next reporting period.

7 SUMMARY AND RECCOMENDATIONS

7.1 Summary

45. Please refer to supplementary document 1 to this SAEMR with the Form of the Monthly Environmental and Social Monitoring Check List (MESMCL) which would present records of status of the environmental and social monitoring for the reporting period, by listed identified discrepancies and mitigation measures required for the Contractor to apply. The MESMCL number 1 is from the site inspection dated 17 June 2022.

Please refer to supplementary document 2 to this SAEMR with the Form of the Health and Safety Monitoring Check List (HSMCL) which would present records of health and safety status at site for the reporting period, by listed identified discrepancies and corrective action required for the Contractor to apply. The HSMCL number 1 is from the mutual Contractor's and Engineer's site inspection dated 23 June 2022, with agreed discrepancy and corrective action for safety culture is very poor at the Batching Plant, and to be increased preferably by Training Program of the Contractor to the Contractor's personnel.

7.2 Recommendations

46. Any recommendation for consideration would be discussed during the next reporting period, when the Contractors' activities are expected to increase.

Supplementary document 1 - Form of MESMCL

MONTHLY ENVIRONMENTAL AND SOCIAL MONITORING CHECK LIST (MESMCL)

CONTRACT: BBRP/CW/ICB - 02_ Construction of the Bakurtsikhe - Tsnori Road Section

I. GENERAL INFORMATION

PERIOD OF MONITORING	DATE OF REPORTING	NUMBER OF CHECKLIST

DESCRIPTION OF CONSTRUCTION WORKS	CHAINAGE (KM)	
	From km	To km
<i>The Contractor did not start the activities.</i>		

II. ENVIRONMENTAL STATUS – SITE VISIT, VISUAL INSPECTION

1	AIR	YES	NO	N/A
1.1	Have there been sampling for obtaining air quality?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1.2	Have there any measures been taken for dust suppression?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1.3	Are areas subject to the generation of dust adequately dampened?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1.4	Are dust generating materials properly: - transported under cover? - transported being adequately dampened?	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>
1.5	Is the concrete batching plant properly sited and organized?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1.6	Is the asphalt plant properly sited and organized?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

	WATER	YES	NO	N/A
2.1	Have there been any sampling for obtaining water quality?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.2	Are there any disturbances of a natural flow?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

WATER		YES	NO	N/A
2.3	Is there any construction debris close to water objects?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.4	Is there any discharge of oil products into the water?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.5	Are fuel storage areas located away from watercourses and water bodies?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

3	SOILS	YES	NO	N/A
3.1	Have there been any sampling for obtaining soils quality?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3.2	Are there permissions to use materials from the borrow pits?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3.3	Is the construction debris properly collected and disposed?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3.4	Are the fuel filling station properly operated?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3.5	Does the Contractor use facility for washing and maintaining vehicles and mechanization?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3.6	Have the top-soil been properly excavated and stored?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3.7	Are there any evidences of soils pollution or damage?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3.8	Are there any evidences of soil erosion?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

4	NOISE DISTURBANCE FOR INHIBITANTS AND WORKERS	YES	NO	N/A
4.1	Were any sampling for obtaining noise level?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.2	Have requirements to limit construction within certain hours been honored?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.3	Have inhabitants been informed about envisaged working hours?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.4	Have you observed the following:			
	- equipment requiring maintenance to reduce noise level?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	- vehicles entering/exiting the site creating excessive noise?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

5	VIBRATION	YES	NO	N/A
5.1	Is there possibility of damages to buildings or other structures (bridges, culverts, utility poles etc.) due to vibrations?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5.2	Were you aware of vibrations while being on the site?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

6	WASTES HANDLING AND DISPOSAL	YES	NO	N/A
6.1	Has there been agreement concluded with authorized company for construction waste collection and disposal?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6.2	Have there been agreements concluded with authorized company for communal waste collection and disposal?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6.3	Have there been agreements concluded with authorized company for hazardous wastes collection and disposal?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6.4	Have the waste material been properly collected and disposed?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6.5	Have the removed materials been properly collected and disposed?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6.6	If there any surplus excavated soil, is it stored properly within permitted area?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6.7	Did you observe improper or inadequate:			
	- storage of debris and spoil materials prior to disposals?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	- transportation of construction debris and spoil materials?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	- use of unapproved disposal sites?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

7	IMPACTS ON NEIGHBOURING LAND USES	YES	NO	N/A
7.1	Have there been any problem with pedestrian traffic?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7.2	Have there been any problem with vehicular access to neighboring properties?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7.3	Is there any evidence of construction negative impact onto adjacent agricultural lands?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7.4	Was there any grievance initiated during the site inspection?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7.5	Was there unauthorized appropriation of crops?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

8	VEGETATION	YES	NO	N/A
8.1	Is removal of trees provided in accordance with permits obtained?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8.2	Have there been any unauthorized/accidental vegetation removal or harm?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8.3	Have the stumping been provided close to the area of construction works?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8.4	Have the trees branches and roots been properly utilized?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8.5	Did the Contractor have any activities for planting trees?	<input type="checkbox"/>	<input type="checkbox"/>	

9	FAUNA	YES	NO	N/A
9.1	Have there been any harm to wild animals/livestock farming identified?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

10	CULTURAL HERITAGE	YES	NO	N/A
10.1	Were there any chance findings onsite and offsite?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

11	OTHER	YES	NO	N/A
11.1	Were there any other issues identified during the site inspection?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11.2	Are there any corrective actions due to the above?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

III. ENVIRONMENTAL STATUS – LABORATORY MONITORING /

Was there any laboratory monitoring carried out during the reporting period? <i>(if YES, then specify monitoring object (s))</i>		Yes / Да <input type="checkbox"/>	SOIL <input type="checkbox"/> AIR <input type="checkbox"/> WATER <input type="checkbox"/> NOISE <input type="checkbox"/>
Date of taking samples:	Date of laboratory analysis:	Are the results available?	<i>If YES, please specify number and date of analytic report:</i> <i>If NO, please specify date when the results will be provided: N/A</i>

IV. DISCREPANCIES AND MITIGATION MEASURES

DISCREPANCIES

#	Character of environmental factors discrepancy with reference to specific item and the chainage

MITIGATION MEASURES

#	Mitigation measure for each discrepancy	Responsible

V. ENVIRONMENTAL INCIDENT AND CORRECTIVE ACTION UNDERTAKEN

Was there any environmental incident during reporting period?	YES <input type="checkbox"/>	NO <input type="checkbox"/>
If YES, please specify		
<i>Changes</i>	<i>Number and date of report about environmental incident</i>	
+ /-/ +	<i>No /</i>	<i>Date:</i>
Corrective action undertaken		

VI. NOTES AND RECOMMENDATIONS /

Notes and/or recommendations regarding improvement of environmental monitoring

VII. PHOTOS OF THE SITE

PERSONS WHO FILLED THE FORM				
#	Name and Surname	Company and Position	Signature	Date

Supplementary document 2 - Form of Daily Environmental Monitoring Check List of Mandatory Provisions

DAILY ENVIRONMENTAL MONITORING CHECK LIST OF MANDATORY PROVISIONS

CONTRACT: BBRP/CW/ICB - 02_ Construction of the Bakurtsikhe - Tsnori Road Section

SUPERVISION TEAM MEMBER	WORKS CONTRACT NUMBER	DATE OF REPORTING	NUMBER OF DAILY ENVIRONMENTAL MONITORING CHECK LIST
<i>[insert data]</i>	<i>[insert data]</i>	<i>[insert date of reporting]</i>	<i>[insert number of check list]</i>

TYPE OF CONSTRUCTION WORKS	SECTION OF ROAD SECTION (KM)	
	From	To
<i>[Insert data about the Contractors Work Program]</i>	<i>[insert data]</i>	<i>[insert data]</i>

1	WASTE MATERIAL OTPADNI MATERIJAL	YES	NO	N/A	COMMENTS
1.4	Has there been identified any unauthorized storage, collection or disposal of communal, construction or hazardous waste?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
1.5	Has there any other issue identified that refers to storage, collection or disposal of communal, construction or hazardous waste?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

2	REMOVED MATERIAL	YES	NO	N/A	COMMENTS
2.1	Has there been identified any unauthorized storage, collection or disposal of removed material?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2.2	Has there any other issue identified that refers to removed material?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

3	ROUGHING SALT (MILLING)	YES	NO	N/A	COMMENTS
3.1	Has there been identified any unauthorized storage, collection or disposal of roughing slat (milling)?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3.2	Has there any other issue identified that refers to roughing slat (milling)?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

4	NOISE DISTURBANCE FOR INHIBITANTS AND WORKERS	YES	NO	N/A	COMMENTS
4.1	Is there any complain initiated by the inhabitants or workers that refers to noise disturbance?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4.2	Has there any other issue identified that refers to noise disturbance?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

5	POSSIBLE AIR, WATER AND SOIL POLLUTION	YES	NO	N/A	COMMENTS
5.1	Has there any other issue identified that refers to possible air, water and soil pollution?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
5.2	Has there any other issue identified that refers to possible air, water and soil pollution?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

6	VIBRATIONS	YES	NO	N/A	COMMENTS
6.1	Is there identified increase level of vibrations?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
6.2	Has there any other issue identified that refers to vibrations?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

7	WORKERS' PROTECTION	YES	NO	N/A	COMMENTS
7.1	Are all workers wearing appropriate Personal Protective Equipment (PPE)?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

7	WORKERS' PROTECTION	YES	NO	N/A	COMMENTS
	7.2 Are workers using additional appropriate protective equipment for hazardous operations?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	7.3 Is there any other issue identified that refers to worker's protection?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

8	IMPACT OF INCREASED TRAFFIC SCOPE AND SPEED	YES	NO	N/A	COMMENTS
	8.1 Is there identified any impact of increased traffic scope and speed?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

A. PHOTOGRAPFS

[Support the above with photographs with corresponding description and information about the Chainage LHS or RHS]

PERSONS WHO FILLED THE FORM				
#	Name and Surname	Company and Position	Signature	Date

Supplementary document 3 - Form of HSMCL

HEALTH AND SAFETY MONITORING CHECK LIST

CONTRACT: BBRP/CW/ICB - 02_ Construction of the Bakurtsikhe - Tsnori Road Section

VIII. GENERAL INFORMATION

PERIOD OF MONITORING	DATE OF REPORTING	NUMBER OF CHECKLIST
<i>[insert period of reporting]</i>	<i>[insert date of reporting]</i>	<i>[insert number of check list]</i>

DESCRIPTION OF CONSTRUCTION WORKS	CHAINAGE (KM)	
	From	To

IX. MONITORING ISSUE

1. SAFE ACCESS AND WORKPLACE	YES	NO	N/A
1.1 Is there safe access and adequate space for movement available for emergencies, work areas, walkways and passageways?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1.2 Barriers, signage and fencing have been established on site and off site.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. FALLS	YES	NO	N/A
1.1 Are ladders, stairways, and elevated platforms properly located and functioning?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1.2 Are floor and man-hole openings etc. properly protected?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1.3 Is the scaffolding secured, stable and safe?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1.4 Are guard-rails provided?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. FALLING OBJECTS	YES	NO	N/A
2.1 Is overhead protection provided for all areas of exposure?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.2 Have unnecessary tools, equipment, etc. been cleared from the work area?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.3 Is lighting adequate?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. CONFINED SPACE	YES	NO	N/A

3.1 Has the Contractor coordinated with his Sub-contractors and other operators at site to prevent congestion and avoid hazards?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3.2 Has the Contractor identified utilities and services?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3.3 Has Contractor provided temporary flooring, safety nets, scaffolding, where required?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. ELECTRICAL POWER	YES	NO	N/A
4.1 Have all High voltage lines been identified with warning/prohibition signs?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.2 Have all high voltage lines been moved or de-energized, or barriers erected to prevent contact?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.3 Are all distribution boards earthed?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.4 Are electrical cablings properly tied together?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. TRENCH COLLAPSE	YES	NO	N/A
5.1 Has the trench been appropriately protected?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5.2 Is there a backup contingency water pump available locally?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. WORKING NEAR ACTIVE TRAFFIC AND MOVING EQUIPMENT	YES	NO	N/A
6.1 Is there a physical barrier between the work zone and active traffic?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6.2 Are there designated ingress/egress access points for plant/equipment movement?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6.3 Is there a safe work zone for workers to operate inside?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6.4 Are there speed restrictions, and warning signs in place?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. WELFARE FACILITIES	YES	NO	N/A
7.1 Are toilet facilities adequate?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7.2 Is drinking water available?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7.3 Are disinfection means available?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8. SITE MATERIAL COMPOUND AND MATERIAL HANDLING EQUIPMENT	YES <i>ДА</i>	NO <i>НЕ</i>	N/A <i>Н/П</i>
8.1 Is the material handling space adequate?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8.2 Are volatile, temperature sensitive and combustible materials adequately stored?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

8.3 Is material handling equipment in good condition? (slings, hooks, chains, etc.)?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8.4 Are the contents of tanks and drums clearly marked?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1. PERSONAL PROTECTIVE EQUIPMENT (PPE)	YES	NO	N/A
9.1 Are employees provided with PPE as required for the work area?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9.2 Are employees wearing the standard PPE?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9.3 Does the Contractor provide health and safety training for new workers?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9.4 Does the Contractor provide introduction training for the visitors?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9.5 Are employees provided with preventive and protective means against SARS-COV-2 spreading?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. FIRST AID FACILITY	YES	NO	N/A
10.1 Is there First Aid Facility established?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10.2 Is there medical staff available with the Contractor's dynamic of works execution, in case needed?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10.3 Have the closest First Aid Ambulance been informed about the works and of possible need?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10.4 Are telephone numbers of First Aid Ambulance vehicle placed on visible locations, to be used in case needed?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. FIRE FIGHTING EQUIPMENT	YES	NO	N/A
11.1 Is there Fire Fighting Equipment available?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11.2 Has the Fire Fighting Equipment been checked and is in function?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11.3 Are the Contractor's employees trained how to use Fire Fighting equipment in case needed?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11.4 Have the closest Fire Fighting Brigades been informed about the works and of possible need?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

11.5 Are telephone numbers of the closest Fire Fighting Brigades placed on visible locations, to be used in case needed?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. WORK ON HEIGHT	YES	NO	N/A
12.1 Is Scaffold erected and inspected by authorized/ scaffolder	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12.2 Is Scaffold weekly inspection scaff tag available?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12.3 Is Guard Rails installed properly?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12.4 Is Toe bard and flooring board fixed off properly	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12.5 Is Scaffolding braising installed properly?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12.6 Are workers using body harness and live lines?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12.7 Is Scaffolding kept clear from the obstacles?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. ANY OTHER ISSUE IDENTIFIED (PLEASE DESCRIBE)			

X. DISCREPANCIES AND CORRECTIVE MEASURES / ISCREPANCIES

#	Character of health and safety factors discrepancy with reference to specific item and the chainage

CORRECTIVE MEASURES

#	Corrective measures for each discrepancy	Responsible

XI. NOTES AND RECOMMENDATIONS /

Notes and/or recommendations regarding improvement of health and safety monitoring

XII. PHOTOGRAPHS FROM THE SITE

PERSONS WHO FILLED THE FORM				
#	Name and Surname	Company and Position	Signature	Date

Supplementary document 4 - Form of Record of Environmental Accident or Endangerment

CONTRACT: BBRP/CW/ICB - 02_ Construction of the Bakurtsikhe - Tsnori Road Section

SUPERVISION TEAM MEMBER	WORKS CONTRACT NUMBER	DATE OF REPORTING	NUMBER OF RECORD OF ENVIRONMENTAL ACCIDENTS OR ENDANGERMENTS
<i>[insert data]</i>	<i>[insert data]</i>	<i>[insert date of reporting]</i>	<i>[insert number of check list]</i>

TYPE OF CONSTRUCTION WORKS	SECTION OF ROAD SECTION (KM)	
	From	To
<i>[Insert data about the Contractors Work Program]</i>	<i>[insert data]</i>	<i>[insert data]</i>

1 GENERAL DATA	COMMENTS
1.6 Is it an environmental accident or an endangerment?	
1.7 Date of the accident or the endangerment.	
1.8 Time of the accident or the endangerment.	
1.9 Location of the accident or the endangerment.	
1.10 How the accident i.e. the endangerment has been identified?	
1.11 Duration of the accident or the endangerment (in case of prolonged impact).	
1.12 Estimate distance of the accident or endangerment to the nearest location of settlement, fertile soil, or surface water.	

2 SPECIFIC DATA	COMMENTS
2.1 Description of the accident or endangerment.	
2.2 Did the Contractor cause the accident or the endangerment, or it has been resulted by activities of third party?	
2.3 Have the corresponding authorities been informed about the accident or endangerment, if required or needed?	

1	GENERAL DATA	COMMENTS
	2.4 Is there any other information about the accident or the endangerment?	

B. PHOTOGRAPHS

[Support the above with photographs with corresponding description and information about the Chainage LHS or RHS]

PERSONS WHO FILLED THE FORM				
#	Name and Surname	Company and Position	Signature	Date

Supplementary document 5 - Form of Record of corrective action

CONTRACT: BBRP/CW/ICB - 02_ Construction of the Bakurtsikhe - Tsnori Road Section

SUPERVISION TEAM MEMBER	WORKS CONTRACT NUMBER	DATE OF REPORTING	NUMBER OF RECORD OF CORRECTIVE ACTION OF ENVIRONMENTAL ACCIDENT OR ENDANGERMENT
<i>[insert data]</i>	<i>[insert data]</i>	<i>[insert date of reporting]</i>	<i>[insert number of check list]</i>

TYPE OF CONSTRUCTION WORKS	SECTION OF ROAD SECTION (KM)	
	From	To
<i>[Insert data about the Contractors Work Program]</i>	<i>[insert data]</i>	<i>[insert data]</i>

1	GENERAL DATA OPŠTI PODATCI	COMMENTS
	1.13 Number of Record of environmental accident or endangerment.	
	1.14 Date of corrective action of the accident i.e. the endangerment, if any.	
	1.15 Time of corrective action of the accident i.e. the endangerment.	
	1.16 Location of corrective action of the accident or the endangerment.	
	1.17 Duration of corrective action of the accident or the endangerment (in case of prolonged impact).	

2	SPECIFIC DATA	COMMENTS
	2.1 Description of corrective action of the accident or endangerment.	
	2.5 Was there any compensation due to the accident or the endangerment?	
	2.6 Have the corresponding authorities issued any official order about the corrective action, compensation, or penalty?	
	2.7 Is there any other information about the corrective action of the accident or the endangerment?	

C. PHOTOGRAPHS

[Support the above with photographs with corresponding description and information about the Chainage LHS or RHS]

PERSONS WHO FILLED THE FORM				
#	Name and Surname	Company and Position	Signature	Date

Supplementary document 6 - Form of Grievance Record

Supplementary document 7 - Form of Status of obtained License / Permits / Agreements

Supplementary document 8 - Form of Status of Environmental Monitoring Log Book

