

# **Environmental Monitoring Report**

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Project Number: 46375-002  
Reporting period: January - June 2021  
#6 Semi-annual Report  
July 2021

## **Georgia: Rehabilitation of Dzirula–Kharagauli–Moliti–Pona–Chumateleti Secondary Road Section (50Km)**

**Loan No: 3524**  
**(Financed by the Asian Development Bank)**

**Prepared by:** PYUNGHWA Engineering Consultants Ltd and Yoshin Engineering Corporation and Roads Rehabilitation Modernization Supervision Direction Ltd, for Roads Department of the Ministry of Regional Development and Infrastructure of Georgia and Asian Development Bank

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## ACRONYMS & ABBREVIATIONS

ADB	Asian Development Bank
DNP	Defects Notification Period
EA	Executing agency
EMP	Environmental Management Plan
EMS	Environmental Management System
GRC	Grievance Redress Committee
GRM	Grievance Redress Mechanism
IEE	Initial Environmental Examination
Km	Kilometer
Ministry	Ministry of National Development and Infrastructure
PCU	Project Coordination Unit
PIU	Project Implementation Unit
PMU	Project Management Unit
RD	Roads Department
SEMP	Specific Environmental Management Plan
SSEMP	Site Specific Environmental Management Plan
TOR	Terms of Reference

# Table of Contents

<b><u>1</u></b>	<b><u>INTRODUCTION .....</u></b>	<b><u>5</u></b>
<b><u>1.1</u></b>	<b><u>Preamble.....</u></b>	<b><u>5</u></b>
<b><u>1.2</u></b>	<b><u>Headline Information .....</u></b>	<b><u>5</u></b>
<b><u>2.</u></b>	<b><u>PROJECT DESCRIPTION AND CURRENT ACTIVITIES.....</u></b>	<b><u>5</u></b>
<b><u>2.1</u></b>	<b><u>Project Description .....</u></b>	<b><u>5</u></b>
<b><u>2.2</u></b>	<b><u>Project Contracts and Management .....</u></b>	<b><u>8</u></b>
<b><u>2.3</u></b>	<b><u>Project Activities during the Current Reporting Period .....</u></b>	<b><u>12</u></b>
<b><u>2.4</u></b>	<b><u>Description of Any Changes to Project Design and Work scope Variation Orders, LOT 1 ...</u></b>	<b><u>14</u></b>
<b><u>2.5</u></b>	<b><u>Description of Any Changes to Agreed Construction methods .....</u></b>	<b><u>15</u></b>
<b><u>3.</u></b>	<b><u>ENVIRONMENTAL SAFEGUARD ACTIVITIES .....</u></b>	<b><u>16</u></b>
<b><u>3.1</u></b>	<b><u>General Description of Environmental Safeguard Activities .....</u></b>	<b><u>16</u></b>
<b><u>3.2</u></b>	<b><u>Site Monitoring/Audits.....</u></b>	<b><u>16</u></b>
<b><u>3.3</u></b>	<b><u>Issues Tracking (Based on Non-Conformance Notices).....</u></b>	<b><u>21</u></b>
<b><u>3.4</u></b>	<b><u>Trends.....</u></b>	<b><u>23</u></b>
<b><u>3.5</u></b>	<b><u>Unanticipated Environmental Impacts or Risks .....</u></b>	<b><u>24</u></b>
<b><u>4.</u></b>	<b><u>RESULTS OF ENVIRONMENTAL MONITORING .....</u></b>	<b><u>25</u></b>
<b><u>4.1</u></b>	<b><u>Overview of Monitoring Conducted during Current Period .....</u></b>	<b><u>25</u></b>
<b><u>4.2</u></b>	<b><u>Trend.....</u></b>	<b><u>26</u></b>
<b><u>4.3</u></b>	<b><u>Summary of Monitoring Outcomes.....</u></b>	<b><u>26</u></b>
<b><u>4.4</u></b>	<b><u>Material Resources Utilization .....</u></b>	<b><u>27</u></b>
<b><u>4.4.1</u></b>	<b><u>Current Period.....</u></b>	<b><u>27</u></b>
<b><u>4.5</u></b>	<b><u>Waste Management .....</u></b>	<b><u>27</u></b>
<b><u>4.5.1</u></b>	<b><u>Current Period.....</u></b>	<b><u>27</u></b>
<b><u>4.6</u></b>	<b><u>Health and Safety.....</u></b>	<b><u>28</u></b>
<b><u>4.6.1</u></b>	<b><u>Community Health and Safety .....</u></b>	<b><u>28</u></b>
<b><u>4.6.2</u></b>	<b><u>Worker Safety and Health.....</u></b>	<b><u>28</u></b>
<b><u>4.7</u></b>	<b><u>Training .....</u></b>	<b><u>28</u></b>
<b><u>4.8</u></b>	<b><u>Grievance Redress Mechanism .....</u></b>	<b><u>29</u></b>
<b><u>5.</u></b>	<b><u>FUNCTIONING OF THE SEMP .....</u></b>	<b><u>30</u></b>
<b><u>5.1</u></b>	<b><u>SEMP Review .....</u></b>	<b><u>30</u></b>
<b><u>6.</u></b>	<b><u>GOOD PRACTICE AND OPPORTUNITY FOR IMPROVEMENT .....</u></b>	<b><u>30</u></b>
<b><u>6.1</u></b>	<b><u>Good Practice .....</u></b>	<b><u>30</u></b>
<b><u>6.2</u></b>	<b><u>Opportunities for Improvement .....</u></b>	<b><u>31</u></b>
<b><u>7.</u></b>	<b><u>SUMMARY AND RECOMMENDATIONS.....</u></b>	<b><u>31</u></b>
<b><u>7.1</u></b>	<b><u>Summary .....</u></b>	<b><u>31</u></b>

**7.2 Recommendations.....33**  
**ANNEXES:.....34**  
**Annex 1 - Site Photos.....34**  
**Annex 2 – Non-Compliance Notices.....36**  
**Annex 3 – Complaints .....43**

## **1 INTRODUCTION**

### **1.1 Preamble**

1. This report represents the Semi-annual Environmental Monitoring Review of Rehabilitation of Dzirula – Kharagauli – Moliti – Pona – Chumateleti Secondary Road Section (50Km).
2. This report is the sixth Semi-annual EMR for the project.

### **1.2 Headline Information**

3. Project design review and construction activities have been commenced in September 18, 2018 (BSG LOT1). There is protected area near the project related road section. The shortest distance between Borjomi-Kharagauli National Park (BKNP) and the existing project road is approximately 1.3 km. BKNP is separated from the existing project by a river gorge, which prevents the transposition of flora and fauna. Therefore, the project will have no direct impacts on the biodiversity of the BKNP. However, construction contractor should select appropriate access roads to avoid disturbance of the protected area and provide site staff with special training to prevent poaching.

4. Second Contractor “AKKORD ICIC” (Lot 2) started mobilization and set up office at Chumateleti and their activity started on 31<sup>st</sup> May 2019.

5. Some non-compliances have been identified during the reporting time period. Appropriate corrective action plans have been elaborated and implemented. The non-compliances detected during HSE inspections were recorded and photos taken.

6. Under LOT1 there were no construction activities during Jan-Apr 2021 period due to COVID-19 pandemic and activities suspended during whole reporting period under LOT2.

7. It is envisioned, that the road, when improved, will enhance connectivity to a number of towns and villages at the foothills of the mountain ranges and will act as alternate route to parallel segments along E60. Also, positive impact of the project is local population's involvement in the road construction process.

## **2. PROJECT DESCRIPTION AND CURRENT ACTIVITIES**

### **2.1 Project Description**

8. The project road is a 50.244 km west to east secondary road, starting from E-60 in Dzirula and ending at E-60 junction at Chumateleti. Most of the project road is within Imereti Region with a few kilometers within Shida Kartli Region, through a gorge with mountain ranges with on both the northern and southern part. It is envisioned that this road, when improved, will enhance connectivity to a number of towns and villages at the foothills of the mountain ranges and can act as alternate route to parallel segments along E-60.

9. For implementation purposes the project was divided into 2 separate sections (lots) of about 25 km each. First section (Lot 1) (Construction Contractor: Black Sea Group) covers above road from Dzirula (km0+000) to Moliti (km 24+620). The details of the proposed road project are:

- Rehabilitate and pavement of the project road from Dzirula to Kharagauli according to Georgian National Standard for Public Motor Roads (SST Gzebi 2009), Geometrical and Structural Requirements with 40 km/h design speed. The pavement within Kharagauli town is planned to execute minimum 4cm asphalt surface course after milling over the area.
- Replacement or repairing of 9 bridges and 102 culverts.
- Construction of side drains and other drainage structures.
- Provision of retaining walls and river protection measures, where necessary.
- Provision of adequate road signing and marking.
- Provision of safety barriers.

10. Second section (Lot 2) (Construction Contractor: Akkord ICIC) covers the above road from Moliti (km 24+620) to Chumateleti (km 50+244). The details of the proposed road section are:

- Rehabilitation and pavement of the project road from Moliti to Chumateleti according to Georgian National Standard for Public Motor Roads (SST Gzebi 2009), Geometrical and Structural Requirements with a design speed of 40km/h.
- Construction of 13 new bridges
- Construction of 86 pipe culverts and 6 box culverts.
- Construction of side drains and other drainage structures.
- Provision of retaining walls and river protection measures, where necessary.
- Provision of adequate road signing and marking.
- Provision of safety barriers.

11. AKKORD ICIC has been selected as the Construction Contractor for LOT 2 (Km 24+620 - Km 50+244), agreement has been concluded 04.12.2018. Mobilization is ongoing (started in June 2019), construction activities are commenced but far behind planned schedule.

12. The road is to be designed according to Georgian geometric design standard, and accordingly, it shall be sufficient to carry the traffic loading efficiently and with the vehicles from the opposite directions can pass safely. The design elements for the cross section of the two-lane road are as follows:

- |                                      |                                   |
|--------------------------------------|-----------------------------------|
| • Number of lanes:                   | 2                                 |
| • Lane width:                        | 3.00 m                            |
| • Carriage way width:                | 6.00m                             |
| • Width of shoulder:                 | 1.00 m (of which 0.50 m is paved) |
| • Increase of shoulder on embankment | 0.50m                             |
| • Total road width:                  | 9.00m                             |

13. The preliminary road design was carried out considering following design philosophy.

- The standards to be applied will follow the Georgian geometric design standard for the selected design speed of 40 km/h, with some flexibility in application when the strict application of the standards would result in an excessively costly technical solution.
- In general, the design follows the existing alignment wherever possible and considers the existing structures. Where the existing alignment does not correspond to the proposed parameters, certain improvements depending on topography, presence of built-up areas and structures are considered.
- The vertical alignment has been maintained in general, with improvements to the sight distances, where the existing topography allow for improvements. To accommodate new

- pavement layers, the road elevations have increased accordingly where possible.
- The design will result in a cost effective construction, considering the low traffic volumes on the road and the economic viability of the design.

14. The map of the project road is given in the **Figure 1** below.

**Fig. 1: Map of Project Road**

**Figure 1: Location Map of the Project Road**



15. The project is classified as category B for the environment under ADB's Safeguard Policy Statement (2009). Project implementation period is: 2018-2020. The Extension of Time for Completion has been decided by the Amendment No.6 (20th October 2020) that is extended up to 22nd May 2021 as same as Engineer reported in his review by its letter No. PEC/RD/DCSRS/20-269 dated on 11th September 2020. On 1st December of 2020, Contractor sent a letter (No.DZM/BSG-OUT-MNG-COR-0257) attached with signed Amendment No.6 dated on 20th October of 2020 in which he stated, that besides the signature of the Amendment No.6 the works cannot be completed by 22nd May 2021 and an additional time extension will be necessary.

16. Road Department of the Ministry of Regional Development and Infrastructure of Georgia submitted an EIA (IEE) to the Ministry of Environment and Natural Resources Protection 20 November 2017. Approved by MoEPA on 1 December 2017.



17. The current Semi-annual Environmental Monitoring Report covers the period from January 2021 to June 2021.

## **2.2 Project Contracts and Management**

18. Consultancy Services (CS) Contract was awarded to JV of Pyunghwa Engineering Consultants Ltd, Yoshin Engineering Corporation and Roads Rehabilitation and Modernization Supervision Direction Ltd for three phases of the project:

- a. Phase 1–Design review, to be completed in a period of five weeks.
- b. Phase 2–Construction Supervision and Project Management. The period is for 33months.
- c. Phase 3–Defects Notification Period, two years (24months).

19. The TOR for the Consultancy Contract contains the following tasks for the Environmental Specialists:

- Ensure that the provisions of the approved Environmental Management Plan are reflected;
- in the Contractor's contract site environmental management plan (SEMP) prior to its acceptance by the Engineer, the Employer and ADB, and there after ensure that the Contractor complies in every respect with the provisions of the SEMP;
- 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 Consultant's Monthly Report;
- Develop a program for hands-on training of Contractor's staff in implementing the SEMP. Conduct Post-Construction Environmental Audit and prepare post-construction environmental audit report with filled environmental audit checklist.

20. All mitigation measures during construction are implemented respectively by the contractor companies: Black Sea Group LTD and AKKORD ICIC. Each contractor company have environmental and safety officers responsible for HSE issues during construction process. Construction companies are monitored by the supervision consultant (PYUNGHWA) environmental specialist – Shalva Bosikashvili and Environmental Specialist of RD ADB Ms. Luiza Bubashvili. Environmental Specialists of SC and RD conducted routine observations and surveys of project sites. Oleg Tabatadze HS Manager - Akkord, Nikoloz Jashiashvili HS Manager – BSG, who are responsible for occupational health and safety issues.

21. The Contractor, prior to the onset of the construction, is obliged to conduct a number of studies and develop environmental plans, including "Site-specific Environment Management Plan" (SEMP). Such plans can be further subdivided into Topic Specific or Location Specific EMP's. The number of such plans will depend upon the type of project, complexity and sensitivity of the receiving environment.

22. Topic Specific EMPs are developed on a topic by topic basis. For example:

- Waste Management Plan;
- Traffic Management Plan;
- Protected Species Management Plan;
- Water Management Plan and Etc.

23. These plans are detailed and set out how the project will address potential issues identified in the impact assessment process and ensure that specific mitigation and monitoring measures are fully implemented. A topic specific environmental management plan will cover the entire project.

24. The names and contact details of environmental staff involved in the environmental management are presented in the **Table 1** below:

**Table 1:** Description of staff involved in environmental management

<b>Organization</b>	<b>Position</b>	<b>Name</b>	<b>Nationality</b>	<b>Tenure</b>
Construction Contractor Akkord	Environmental Specialist	Farid Bairamov Cell: +995 595 909638 Farid.bairamov@inbox.ru	Azeri	16 months
Construction Contractor BSG	Environmental Specialist	Levan Kereselidze Cell: 599004082	Georgian	16 months
Supervision Consultant Pyunghwa Engineering Consultants Ltd, Yoshin Engineering Corporation and Roads Rehabilitation and Modernization Supervision Direction Ltd	Environmental Specialist	Shalva Bosikashvili sbosikashvili@yahoo.com Cell: +995 595 116041	Georgian	16 months
ADB/RM	Head Office, Environmental Specialist, Portfolio, Results, Safeguards and Gender Unit (PSG), CWRD.	Ninette R. Pajarillaga npajarillaga@adb.org		

	ADB/RETA International Environmental Safeguards Consultant	Keti Dgebuadze Tel: +995 322 250619 Cell: +995 577 232937 ketdgeb@yahoo.com kdgebuadze.consultant@adb.org	Georgian	
	Associate Safeguards Officer Georgia Resident Mission Asian Development Bank	Nino Nadashvili Cell: +995 595 070442 nnadashvili@adb.org	Georgian	
Roads Department PIU	Environmental Safeguard Consultant under ADB & EIB financed Projects	Luiza Bubashvili Cell: +995595219141 Web: www.georoad.ge likabubashvili@yahoo.com	Georgian	

25. Construction Contractor for first lot (km 0+000 to km 24+620) is “Black Sea Group” LTD, for thesecond lot is “AKKORD ICIC” (km 24+620 to km50+244).

26. Summary of civil works contracts and works’ progress is summarized in Table 2. All awarded contracts included EMPs cleared by ADB and any conditions of applicable national EIA clearance.

**Table 2: Summary of Civil Works Contracts and Work's Progress for Rehabilitation of Dzirula-Kharagauli-Moliti-Pona-Chumateleti Secondary Road Section (50km)**

Scope	Contractor	Signed	Approval Date		Environmental Personnel		Civil Works		Progress as of	
			SSEMP	COVID-19 HSMP	Environmental Officer	Health and Safety Officer	Start	End	31 Dec. 2020	30 Jun. 2021
Dzilula-Moliti road section from km 0+000 to km24+620	Company Black Sea Group LLC	04 Dec. 2017	08 Feb. 2019, Submitted to RD for approval Approved 12.02.2019	Prepared by SC Approved 25.11.2020	Beka Pangani	Beka Pangani	18 Sep. 2018	22 May 2021	(66.16%) 62.71%	(100%) 65.38%
Moliti-Chumateleti road section from km 24+620 to km 50+244	Akkord Industry Construction Investment Corporation OJSC	04 Dec. 2018	11 June 2020, Submitted to RD for approval (Rev.05) Approved 18.06.2020	Prepared by SC Approved 25.11.2020	Oleg Tabatadze	Oleg Tabatadze	31 May 2019	16 Nov. 2021	(51.53%) 10.68%	(71.52%) 11.92%

Note: The Month/Years in brackets are planned schedule.

COVID-19 HSMP = COVID-19 Health and Safety Management Plan, ERP = Emergency Response Plan, SSEMP = site-specific environmental management plan

### 2.3 Project Activities during the Current Reporting Period

27. Contract for the consultant's services signed on 01.08.2018, construction activities have been commenced on 18.09.2018 for Lot 1.

28. Construction activities are ongoing, camp sites in Kharagauli and Sagandzile established (LOT1), retaining walls, precast of concrete blocks production and installation and pavement works are in progress.

29. For the second lot (Lot 2) construction activities were carried out till march 2021, Since Engineer sent 3rd Notice to Correct dated on 24th May 2021 regarding Contractor's failure such as stoppage of works and demobilization of all resources from the Site, Contractor has continued the suspension of Works and moreover abandoned the Site so far completely.

30. Site HSE inspections for construction works have been carried out since very beginning of the project. Progress of the works is given in the **Table 3** below

**Table 3: PROGRESS OF THE WORK, LOT 1 (BSG)**

#### Progress of Work (A)

As of end of June 2021

No	Description	Total Place (Ea)	Total Length (Meter)	Completed (Excl.back fill)			In progress			Not commenced			Remarks
				Ea	Meter	%	Ea	Meter	%	Ea	Meter	%	
1	Pipe (D=1000mm)	64	770.0	62	747.8	97%	-	-	0%	2	22.2	3%	Km2+612 km 6+054
2	Pipe (D=1500mm)	32	463.8	32	463.8	100%	-	-	0%	-	-	0%	
3	BOX - Culvert	11	188.3	10	171.3	91%	-	-	0%	1	17.0	9%	km10+669
4	RC Retaining Wall	59	2,634.8	58	2,572.8	98%	-	-	0%	1	62.0	2%	
	*Additional	22	458.6	22	458.6	100%	-	-	0%	-	-	0%	
	*Changed	2	86.5	2	86.5	100%	-	-	0%	-	-	0%	
	<b>SUM</b>	<b>83</b>	<b>3,179.9</b>	<b>82</b>	<b>3,117.9</b>	<b>98%</b>	-	-	<b>0%</b>	<b>1</b>	<b>62.0</b>	<b>2%</b>	
5	Lego Block Wall	26	2,670	26	2,670	100%	-	-	0%	-	-	0%	
	*Additional	8	364	7	340	93%	1	24	7%	-	-	0%	
	* Changed	20	1,394	20	1,394	100%	-	-	0%	-	-	0%	
	<b>SUM</b>	<b>54</b>	<b>4,428</b>	<b>53</b>	<b>4,404</b>	<b>99%</b>	<b>1</b>	<b>24</b>	<b>1%</b>	-	-	<b>0%</b>	

6	Gabion	72	3,170	53	2,683	85%	-	-	0%	19	487	15%	
7	Bridge	9	187	8	155	83%	-	-	0%	1	32	17%	BR.1a.
8	Granular Base		24,620		16,599	67%		-	0%		8,021	33%	
9	Binder Course		24,620		14,200	58%		-	0%		10,420	42%	
10	Drainage Channel		13,593		3,719	27%		-	0%		9,874	73%	
11	Terramesh	1	25	1	25	100%	-	-	0%	-	-	0%	Changed from RC Wall
12	Green Terramesh	-	-	-	-	0%	-	-	0%	-	-	0%	Changed to Others

### Progress of Work, LOT 2 (Akkord ICIC)

Description of Works	UNIT	BOQ Quantity	PERFORMED UPTO DATE	Comparison %
<b>DESIGN WORKS</b>				
Shop drawings km	km	25.62	80%	80%
<b>Earthworks</b>				
Embankment works	km	25.62	5.62	21.9%
<b>Pavement</b>				
Capping layer h=200mm	km	25.62	4.80	18.7%
Base course h=200mm	km	25.62	2.48	9.7%
Asphalt Binder course h=100mm	km	25.62	0.88	3%
Asphalt Surface course h=40mm	km	25.62		0%
<b>Drainage works</b>				
Pipe Culvert d=1.0 m(New)	m	871.00	180.00	21%
Pipe Culvert d=1.5 m(New)	m	402.0	155.00	39%
Box culverts d=3mx2m	m	84.0	38.00	45%
Box culverts d=2mx2m	m	37.0	12.00	32%
<b>Retaining Structures</b>				
RC Wall	m	3,758	885	24%

Lego Block	m	614		0%
Gabion Wall	m	2,505	20	1%
Gr Teramesh	m	183		0%
Teramesh	m	393		0%
Soil Nailing	m	3,080		0%
<b>Bridge works</b>				
Bridge № 8	sum	100.0%	0%	0%
Bridge № 9	sum	100.0%	0%	0%
Bridge № 10	sum	100.0%	0%	0%
Bridge № 11	sum	100.0%	0%	0%
Bridge № 11a	sum	100.0%	0%	0%
Bridge № 11b	sum	100.0%	0%	0%
Bridge № 11b.1	sum	100.0%	0%	0%
Bridge № 11c	sum	100.0%	0%	0%
Bridge № 12	sum	100.0%	10%	10%
Bridge № 13	sum	100.0%	15%	15%
Bridge № 14	sum	100.0%	15%	15%
Bridge № 15	sum	100.0%	74%	74%
Bridge № 16	sum	100.0%	0%	0%

31. Construction activities have been monitored by CCs HSE officers on daily basis some photos from construction sites are provided in **Annex 1**.

#### 2.4 Description of Any Changes to Project Design and Work scope Variation Orders, LOT 1

No.	Subject	Issued Date	Amount (GEL)	Cumulative (Gel)
1	Demolition of Existing Bridge at Km 0+200	7 <sup>th</sup> Mar. 2019	565,256.31	565,256.31
2	Relocation of Gas Pipeline	2 <sup>nd</sup> Sep. 2019	1,270,415	1,835,671.31
3	Relocation of Power Transmission Line	25 <sup>th</sup> Sep. 2019	1,178,859.91	3,014,530.31
4	Relocation of Water Pipelines	7 <sup>th</sup> Apr. 2020	1,304,118.59	4,318,648.80
5	Provide and install Cast Iron	4 <sup>th</sup> May 2020	3,489,323.10	7,807,972.00

	Grates			
6	Provide and install Cast in situ Concrete drainage channel	18 <sup>th</sup> Sep. 2020	701,702.64	8,509,674.64

### Variation orders, LOT 2

No.	Subject	Issued Date	Amount (GEL)	Cumulative (Gel)
1	Relocation of Power Transmission Lines	28 <sup>th</sup> January 2021	3,435,244.92	3,435,244.92

### 2.5 Description of Any Changes to Agreed Construction methods

32. During the reporting time period, the Contractor did not make any major changes in the construction method and design which may influence environmental effects to the project area.



### 3. ENVIRONMENTAL SAFEGUARD ACTIVITIES

#### 3.1 General Description of Environmental Safeguard Activities

33. The Supervision Consultant will supervise and monitor the project construction process. The SC includes Environment Specialist (International & National) as part of their team to oversee the overall implementation of environmental management plan (EMP & SEMP), environmental monitoring, and compliance to the environmental requirements of ADB. SC Environmental Specialist prepare quarterly environmental monitoring reports required by ADB, monitor the environmental compliance of the Construction Contractor.

34. SEMP for LOT 2 was approved on 08.06.2020. Parametric measurements have not been carried out because of lock downs and restrictions associated with COVID 19 pandemic. Two HSE monitoring inspections have been carried out during the reporting period; relevant Non-Compliance Notes have been sent to Contractor.

35. Activities carried out by consultant companies (CSC) for both lots during the monitoring period (international and national, respectively) is provided in Table 4 below.

**Table 4. Environmental Safeguards Activities Carried out by CSC during Reporting Period (Jan – June 2021) - Lot 1 and Lot 2**

<b>Environmental Safeguard Activities</b>
<b>According to the PAM hiring of international environmental specialist is not required.</b>
-
<b>The national environmental expert Shalva Bosikashvili of Supervision Consultant Pyunghwa Engineering Consultants Ltd, Yoshin Engineering Corporation and Roads Rehabilitation and Modernization Supervision Direction Ltd:</b>
- Performed Site HSE inspections (29.04.2021: 01.07.2021).
- Prepared quarterly EMRs including SAEMR as of January-June 2021.
Ensure the corrective actions are implemented by the deadline.

**Note:** International Environmental specialist is not involved in the project so far.

#### 3.2 Site Monitoring/Audits

36. Even though COVID-19 pandemic situation, since Contractors have been executing works, Site HSE inspections have been undertaken during reporting period by Contractors Environmental Manager and Construction Consultant's Staff (relevant Non-compliance reports prepared and filed, see Annex 2). The summary of site inspections is provided in **Table 5** below.

**Table 5: Summary of Site Inspections/Audits (Lot1/Lot2)**

<b>Date of visit</b>	<b>Name of Company</b>	<b>Auditors name</b>	<b>Purpose of audit</b>	<b>Summary of any significant findings</b>	<b>Cross reference to Audit report</b>	<b>Corrective actions</b>	<b>Status of action</b>
29.04.2021	BSG	Shalva Bosikashvili	Compliance with HSE requirements, SEMP	- No hard barriers, no warning sign alongside the river deep cut.	Relevant Non-compliance notes submitted  Letter PEC/RD/D CSRS/21-084	Corrective actions are partly implemented	Ongoing
29.04.2021	BSG	Shalva Bosikashvili	Compliance with HSE requirements, SEMP	- Safety standards violation (Unsafe wiring, workers without helmets, rebar without capping, heavy equipment operation without flagman, lack of safety warning signs)	Relevant Non-compliance notes submitted  Letter PEC/RD/D CSRS/21-084	Corrective actions are partly implemented	Ongoing
29.04.2021	BSG	Shalva Bosikashvili	Compliance with HSE requirements, SEMP	- Damaged trees ( KM 14)	Relevant Non-compliance notes submitted  Letter PEC/RD/D CSRS/21-084	Corrective actions are partly implemented	Ongoing

01.07.2021	Akkord	Shalva Bosikashvili	Compliance with HSE requirements, SEMP	<ul style="list-style-type: none"> <li>- Construction materials (precast concrete, rebar, timber, sand and gravel) left uncontrolled on the ground surface alongside the road</li> <li>- Different waste is scattered alongside the road (spoil, timber, tree roots, domestic solid waste etc)</li> <li>- Deep cuts, trenches and pits, are without relevant barriers and warning signs</li> <li>- Oil drums outdoor, leaking backhoe and scattered waste at the construction base</li> <li>- Cracks on the ground surface at the spoil disposal area (landslide hazard)</li> </ul>	Relevant Non-compliance notes submitted	Corrective actions have not been carried out at all	No activity
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37. Non-compliance correction action reports have not been submitted yet. Because of frequent work activities suspension, associated with COVID 19 pandemic and governmental restrictions, CC was not able to carry out/complete relevant corrective actions.

38. Implementation Status of Corrective Actions proposed in the last environmental monitoring report (July-December 2020) is provided in the table 6 below.

**Table 6: Implementation Status of Corrective Actions proposed in the last environmental monitoring report (July-December 2020)**

	<b>Issue</b>	<b>Required Action</b>	<b>Responsibility</b>	<b>Timing (Target Dates)</b>	<b>Description of Resolution and Timing (Actual)</b>	<b>If not yet resolved, indicate the reason why and specify further required action and timeframe.</b>
1	Spoil huge stockpiles (mixed concrete debris, big stones, soil) at the immediate vicinity of river	Remove spoil and dispose	HSE field Officer	14.06.2020	Corrected in time	
2	Concrete debris/big rocks alongside the road	Remove wastel and dispose	HSE field Officer	14.06.2020	Corrected in time	
3	heavy equipment operation without flagman, lack of safety	Use flagmans when operating heavy equipment	HSE field Officer	14.06.2020	Corrected in time	

### 3.3 Issues Tracking (Based on Non-Conformance Notices)

39. During HSE site inspections some non-conformances were detected. 3 Non-Conformances detected for LOT1 BSG and 5 Non-Conformances for LOT 2 (AKKORD) they were described in Non-Compliance Notes (see Annex 2) relevant corrective action plans have not been submitted so far, Because of restrictions associated with COVID 19 and change replacement of Environmental Manager (BSG). CC for LOT2 AKKORD have stopped all activities and left construction site. Environmental Issues Tracking Register is provided in **Table 7** below for the January-June 2021 reporting period.

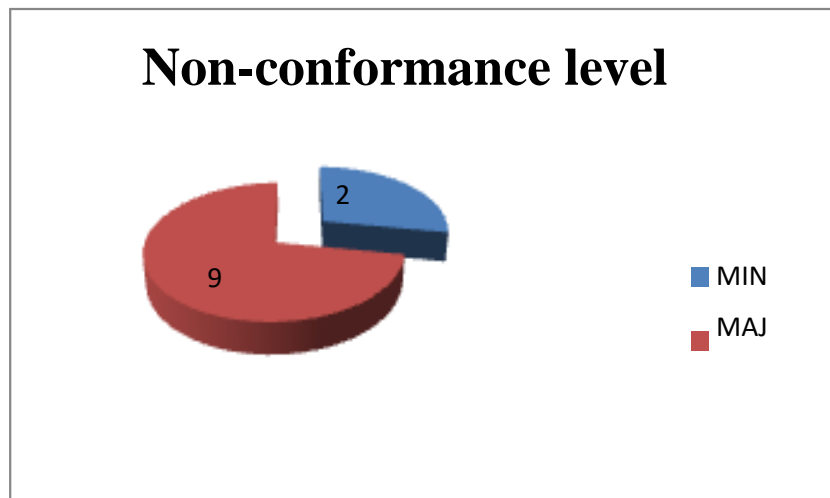
**Table 7. Environmental Issues Tracking Register Book**

No.	Site / Location	Date Recorded	Category	Description of Issue /IEE Requirements	Issues No.	Issue Level	Due Date	Priority	Person Responsible	Status	Date Closed	Comments
1	Chumateleti-Kharagauli secondary road rehabilitation (Lot1)	29.04.2021	Environment & HS	Compliance with HSE requirements, SEMP HSE Inspection Findings	3	Major	30.05.2021	High	Contractor LOT1 (BSG)	Not closed		Issue is still not closed, because HS Managers were replaced and new HS Managers have just started relevant process to solve this issue.
2	Chumateleti-Kharagauli secondary road rehabilitation (Lot2)	01.07.2021	Environment & HS	Compliance with HSE requirements, SEMP HSE Inspection Findings	5	Major	30.07.2021	High	Contractor LOT2 (AKKORD)	Not closed		Issue is still not closed, because HS Managers were replaced and new HS Managers have just started relevant process to solve this issue.

**Table 8. Summary of Issues Tracking Activity for Current Period**

Summary Table	
Total Number of Issues for Project	62
Number of Open Issues	11
Number of Closed Issues	54
Percentage Closed	87
Issues Opened This Reporting Period	11
Issues Closed This Reporting Period	0

**Figure 2. Summary of Issues by Non-Conformance**



### 3.4 Trends

40. Contractor's HSE performance generally satisfactory, relevant trainings are provided to the site staff, required documents and reports submitted, waste segregation and disposal procedure acceptable. Grievance redress system is established, the grievance boxes are located at the entrance of the Company Office in Kharagauli and entrance of the Camps (Kharagauli and Sagandzile). Lot 1.

41. For LOT 2 Engineer sent 3rd Notice to correct dated on 24th May 2021 regarding Contractor's failure such as stoppage of works and demobilization of all resources from the site, Contractor has continued the suspension of works and moreover, abandoned the site completely.



42. To identify trends in environmental issues, information from previous Bi-Annual EMR is used. The summary of the issues is provided in the **table 9** below.

**Table 9: Summary of identified trends in environmental issues**

<b>Semi-Annual EMR No</b>	<b>Total No of Issues</b>	<b>% issues Closed</b>	<b>% issues closed rate</b>
1. July 2018 – December 2018	2	100%	0%
2. January – June 2019	12	75%	25%
3. July 2019 – December 2019	12	67%	33%
4. January - June 2020	4	0%	0%
5. July-December 2020	54	66.6	0%
6. January - June 2021	62	87	0%

43. Currently construction works are in progress at the LOT1 and associated non-compliances will be resolved in the nearest future. LOT 2 CC AKKORD has abandoned construction site.

### **3.5 Unanticipated Environmental Impacts or Risks**

44. So far unanticipated environmental impacts/risks are not identified. New COVID cases have not been identified during the reporting period.

#### 4. RESULTS OF ENVIRONMENTAL MONITORING

##### 4.1 Overview of Monitoring Conducted during Current Period

45. Environmental monitoring started immediately after the commencement of civil works.

46. According to the project EIA, periodic parametric measurements of air, noise and water quality for both lots should be carried out by the construction contractor according appropriate schedule. Locations of measurements are defined by the method statement for particular area.

47. During the reporting period the construction contractors (Lot 1 and Lot 2) have not been conducted monitoring because of difficulties associated with COVID 19 pandemic restrictions therefore construction activities were often interrupted.

48. Noise and air pollution standards defined by IFC/WHO 1999 are presented in the **Table 10** and 9 below.

**Table 10: Noise Level Guidelines**

Noise	dB		dB	
	National Regulations		WHO	
Receptor	Daytime 07:00 - 22:00	Nighttime 22:00 - 07:00	Daytime 07:00- 22:00	Nighttime 22:00- 07:00
Residential; institutional; educational	55	45	55	45
Industrial; commercial	70	70	70	70

49. Air pollution standards by IFC/WHO 1999 are presented in the **Table 11** below.

**Table 11: Air pollution Guidelines**

Contaminants	IFC/WHO Guideline Value (Limit mg/m <sup>3</sup> ))
1	2

Inorganic dust	(*IFC does not have a standard for “inorganic dust”. Instead IFC applies standards for PM2.5 and PM10). PM10 – 0,02/1 Year
	0,05/24 Hour PM2,5-0,01/1 Year 0,025/24 Hour

## 4.2 Trend

50. Contractor’s HSE performance generally is partially satisfactory due to number of non-compliances mostly associated with COVID 19 pandemic restrictions e.g.measreements of environmental parameters (air, noise, water) and non-compliances with HSE requirements for Lot 1 and Lot 2. Hoewer, relevant trainings are provided to the site staff, required documents and reports submitted, waste segregation and disposal procedure established.

51. So far all mitigation measures identified within the project are effective.

## 4.3 Summary of Monitoring Outcomes

Last parametric measurements have been carried out on 04.07.2020. During the reporting period the construction contractors (Lot 1 and Lot 2) have not been conducted monitoring measurements because of difficulties associated with COVID 19 pandemic restrictions.

### [Lot1]

Engineer sent two times its request to Contractor but still no submittal by Contractor.  
Letter ref. no.PEC/RD/DCSRS/21-149 dated on 22<sup>nd</sup> June 2021  
Letter ref. no.PEC/RD/DCSRS/21-177 dated on 9<sup>th</sup> July 2021

### [Lot 2]

Engineer sent two times its request to Contractor but still no submittal by Contractor.  
Letter ref. no.PEC/RD/DCSRS/Lot2/21-074 dated 22<sup>nd</sup> June 2021  
Letter ref. no.PEC/RD/DCSRS/Lot2/21-078 dated 12<sup>th</sup> July 2021

52. Next parametric measurements will be performed on quarterly basis according to IEE monitoring plan Monthly HSE inspections have been carried out to monitor HSE culture and performance at the construction sites. Frequently identified issues are: Unacceptable housekeeping, heavy equipment operation without banksman, outdoor power generators working without drip trays and sufficient fire extinguishers, huge spoil/waste stockpiles, HSE standards violation, trees damage.

53. SC and RD will monitor the improvements under the project and reflect findings in the next Bi- annual EMR as of June-December 2021 reporting period.

#### 4.4 Material Resources Utilization

54. BSG obtained licenses for gravel and sand extraction (N10000836;N1000948;N1000491. N 10000686). Below table reflects production of inert material. The quarry processing projects within these licenses have been prepared.

##### 4.4.1 Current Period

55. Permits for water use and water discharge obtained for the camp sites (LOT1 and LOT2). For current reporting time period water, gas and electricity consumption is given below:

**Table 12**

LOT1

Water	M <sup>3</sup>	2788
Gas	M <sup>3</sup>	3987
Electricity	KWT/Hour	372183

LOT2

Water	M <sup>3</sup>	211
Gas	M <sup>3</sup>	1549
Electricity	KWT/Hour	124538

#### 4.5 Waste Management

56. Waste segregation and disposal procedure established. Appropriate waste containers for hazardous and domestic waste are placed and labeled (see Annex 1). The warehouse of hazardous waste is arranged on Kharagauli camp site for Lot 1. Training of the personal was conducted. The agreement was signed with the local cleaning service and domestic waste is removed twice a week, also for hazardous waste disposal agreement has been concluded with relevant licensed company "Ecomedi" Ltd. For LOT2 non-hazardous waste disposed by Khashuri municipal cleaning service, for the hazardous waste disposal contractor company is not selected yet. Warehouse for the hazardous waste (LOT 2) is not arranged so far.

##### 4.5.1 Current Period

57. Insignificant amount of hazardous waste kept in warehouse at Kharagauli camp (special rooms with concrete floor and locked metal gate with warning). "Ecomedy" (licensed company) removed and disposed hazardous waste from the construction sites.. Domestic waste from the sites removed and disposed by the licensed contractor (Kharagauli Cleaning Service). During the reporting period spoil removal/disposal works were not carried out (LOT1). Spoil dumping area agreed with local municipality (same area used by Chinese company constructing the railway). Small volume of the hazardous waste is kept under the shelter in the containers and finally will be deposed by the licensed contractor LOT2. Non-hazardous waste disposed by the Khashuri Municipal cleaning service.

58. 12 MT domestic waste disposed and 15kg hazardous waste (kept in hazardous waste warehouse) generated during the reporting period for LOT 1. CC LOT 2 has not provided any information regarding waste disposal.

## **4.6 Health and Safety**

### **4.6.1 Community Health and Safety**

59. BSG assigned H&S officer (Nick Jashiashvili) to oversee H&S performance at the construction sites and camps. During this reporting period no accidents have been identified and recorded in the H&S log book, some near misses were identified and recorded in the Non-compliance Notes and HSE Inspection reports (see relevant Annex 2).

### **4.6.2 Worker Safety and Health**

60. During this reporting period no accidents have been recorded. Log books for HSE accidents prepared and kept at the camp site. HSE inspection carried out and identified some H&S non-compliances, particularly, heavy equipment working without banksman, PPE issues, rebar without capping, deep excavations and cuts without hard barriers, no flash lights at the hazardous places for nighttime warning.

61. Oleg Tabatadze was assigned as H&S officer for LOT 2 to oversee H&S performance at the construction sites and camp. During this reporting period no accidents/near misses have been identified and recorded in the H&S log book. Some near misses were identified and recorded in the Non-compliance Notes and HSE Inspection reports (**see Annexes 3**).

62. All H&S procedures associated with COVID-19 pandemic and recommended by WHO and Georgian government are addressed and followed. H&S plan has been updated according to ADB request. Special COVID 19 Emergency Response plan has been elaborated by CCs on 26.11.2020.

## **4.7 Training**

63. HSE induction training was provided to the contractor's relevant staff. Daily tool boxes were carried out. Relevant training given to the personnel involved in the hazardous waste

handling. Specific training regarding flora and fauna protection have been provided to the site staff.

#### **4.8 Grievance Redress Mechanism**

64. 19 complaints were submitted and recorded in the log book during the reporting period for both lots. Status of complaints is given in table- Annex 3.

65. Out of 19 complaints, 5 complaints are regarding Infrastructure/asset damage, 3 complaints are regarding restriction/loss of access, 2 complaints are regarding HSE concerns and 9 are other issues. 2 complaints accepted, other complaints are under review. For the details please see ANNEX 3

## **5. FUNCTIONING OF THE SEMP**

### **5.1 SEMP Review**

66. SEMP for LOT 1 has been submitted in October 2018, reviewed by Consultant Engineer, RD, ADB and with appropriate comments sent back, for the revision. During preparation of SEMP existing EMP was used as a baseline document by CC.

67. SEMP for LOT 1 was approved on 12.02.2019. SEMP for LOT 2 was approved on 18.06.2020

68. At this stage, presented mitigation measures are effective and there is no need for corrections or alternatives. So, no changes needed in the mitigation measures of the Environmental Management Plan at the moment. SEMPs for both Lots have been updated according to ADB's requirements and include anti-COVID –19 Measures.

## **6. GOOD PRACTICE AND OPPORTUNITY FOR IMPROVEMENT**

### **6.1 Good Practice**

69. During the reporting period, the Contractors BSG (LOT1) and AKKORD ICIC (LOT2) timely provided the following:

#### **BSG:**

- Prepare and submit Scoping Reports for the Crusher and Batching Plant. Developed the Specific Environmental Management Plan and submitted it to the engineer;
- Timely deliver Monitoring Reports, and other documents
- Timely deliver the Health Safety Management Plan to the Engineer;
- Conclude the Agreement on removing of domestic waste;
- Conclude the agreement with licensed company "Ecomedi" for hazardous waste disposal
- Provide Bio Toilets for the Construction Sites
- Provide safety equipment for the working personnel;
- Obtained technical regulations on water withdrawal permit from the Ministry of Environment Protection and Agriculture.
- Establish grievance redress system

#### **AKKORD ICIC:**

- H&S experienced officer Oleg Tabatadze has been assigned.

## **6.2 Opportunities for Improvement**

70. Provide relevant site staff with housekeeping and pollution prevention trainings, also provide field staff with H&S trainings - Heavy Equipment Operation, PPE, Tripping & Slipping Hazards, Deep Excavation Safety, Fire Safety etc.

## **7. SUMMARY AND RECOMMENDATIONS**

### **7.1 Summary**

71. It should be highlighted that during the reporting time period the HSE performance of the Contractor was satisfactory. The actions of the Contractor didn't have any negative effect on biodiversity and no poaching actions were evident. No safety accident or near misses were identified. 19 grievances received from the local habitants and recorded in relevant logbook.

72. During the reported period construction activities were implemented on Lot 1 & Lot 2. Contractor (BSG) have intensified all activities to improve the progress of the works on sites. Individual and Joint on-site monitoring activities were conducted by Environmental Monitoring Specialist of Supervisor Consultant and RD on a regular basis.

73. Day-to-day monitoring of the construction sites were carried out by the Environmental Specialists of Contractor, relevant monitoring reports were developed and sent to Supervision Consultant.

74. Environmental Monitoring Specialist of Pyunghwa Engineering Consultants Ltd, Yooshin Engineering Corporation and Roads Rehabilitation and Modernization Supervision Direction Ltd, Mr. Shalva Bosikashvili conducted monthly monitoring of project sites. He also developed Semi-Annual environmental monitoring reports based on the monthly reports submitted by Contractor and environmental site inspections and submit to RD.

75. The monitoring activities included monitoring of compliance of construction activities to the IEE/EMP and SEMP requirements for Rehabilitation of Dzirula – Kharagauli –Moliti – Pona – Chumateleti Secondary Road project.

76. Environmental Specialist of RD, Ms. Luiza Bubashvili performed monitoring of contractor's performance in accordance with the requirements of approved IEE/EMPs, SEMP, and other environmental commitments of the contractor.

77. Mitigation measures in order to reduce major environmental impacts have been instructed to CCs during the monitoring visits as well.

78. In accordance with the EIA, and the accompanying Environmental Monitoring Plan (EMP), the Contractor is required to undertake parametric measurements and observations on air quality, surface water quality, noise and socio-cultural resources.



79. Necessary instructions have been given to the Contractors by RD and SC to follow the ADB requirements for the LOT1 and LOT2.

80. The issues identified during this monitoring period is summarized in **Table 13**.

**Table 13. Issues Identified During the Monitoring Period (January – June 2021)**

<b>Issue</b>	<b>Required Action</b>	<b>Responsibility</b>	<b>Timing (Target Dates)</b>
Deep cuts without hard barriers and warning signs	Provide hard barriers and warning signs	BSG HS Manager	31.06.2021
Unacceptable housekeeping and multiple oil spills, oil drums kept outdoor	Clean site, reinstate contaminated soil. Keep fuel and lubricants in the building or under shelter	BSG HS Manager	31.06.2021
Safety standards violation(Unsafe wiring, workers without helmets,	Provide field stuff with relevant HS trainings	BSG HS Manager	31.06.2021
Concrete debris/big rocks, spoil, vegetation remains alongside the road	Remove waste from the road shoulders and dispose as required	BSG HS Manager	31.06.2021
Damaged trees	Provide stuff with relevant training to avoid tree damage	BSG HS Manager	31.06.2021
Oil spills	Clean existing Oil spills and prevent spillages in future	Akkord HS Manager	31.07.2021
Concrete debris/big rocks, spoil, vegetation remains	Remove waste from the road shoulders and dispose as	Akkord HS Manager	31.07.2021

alongside the road	required		
Deep cuts and pits without hard barriers and warning signs	Provide hard barriers and warning signs	Akkord HS Manager	31.07.2021

## 7.2 Recommendations

81. The following activities are planned for the next January – June 2021 reporting period:
- Quarterly parametric measurements of the air/water quality and noise/vibration should be scheduled and performed in time;
  - Undertake trainings for housekeeping improvement and pollution prevention;
  - Undertake H&S Trainings: Heavy equipment working procedure, PPE issues, rebar capping, deep excavations and cuts hazard prevention, nighttime warning signs.
  - Update SEMP's on anti-COVID measures.

**ANNEXES:**

**Annex 1 - Site Photos**



**Km 12+870 ~ km 12+900: Backfill with Sand**



**Km12+900 ~ Km13+310: Backfill with Sand**



**Km 20+000 ~ Km 20+250 (RHS):Excavation of Slope**



**Km 24+080 ~ km 24+180 (LHS):Excavation of Slope**



**Km 20+000 ~ Km 20+250 (RHS):Excavation of Slope**



**Km 24+080 ~ km 24+180 (LHS):Excavation of Slope**



**Km 20+000 ~ Km 20+250 (RHS):Excavation of Slope**



**Km 24+080 ~ km 24+180 (LHS):Excavation of Slope**

Annex 2 – Non-Compliance Notices

**Non-Compliance Notice**

<p><b>Project: Construction Supervision of Rehabilitation of Dzirula – Kharagauli –Moliti – Pona – Chumateleti Secondary Road Section (50 Km) –Lot 1</b></p>	<p style="text-align: center;"><b>Non-compliance Notice</b></p> <p><b>Rehabilitation of Dzirula – Kharagauli –Moliti – Pona – Chumateleti Secondary Road Section (50 Km) –Lot 1 (Contractor-BSG)</b></p>
<p><b>Contract No: SRIP/CS/QCBS-01</b></p>	
<p><b>Contractor: BSG</b></p>	
<p><b>Reference: LOT 1 construction sites</b></p>	

This notice is to advise the prime Contractor, on the referenced Contract, of the following notice on health, safety and environmental measures to be implemented **urgently**.

**GENERAL COMMENT FOR ALL SITES:**

All construction materials and wastes should be properly segregated and stored adequately, Oil spills should be prevented, Oil spill response kits and drip trays should be placed at the appropriate locations, Housekeeping must be improved, H&S culture should be established and maintained.

**NON-COMPLIANCE at the Lot 1 construction sites**

- No hard barriers, no warning sign alongside the river deep cut.
- Safety standards violation (Unsafe wiring, workers without helmets, rebar without capping, heavy equipment operation without flagman, lack of safety warning signs)
- Damaged trees ( KM 14)



Unacceptable housekeeping at Kharagauli camp



Workers without PPE (Kharagauli camp)



All these conditions have to be remedied within 10 days by the prime Contractor (BSG).

**Date of site visit: 29.04.2021**

Shalva Bosikashvili - Environmental specialist -  
Roads Rehabilitation and Modernization Supervision  
Direction Ltd,

Luiza Bubashvili - Environmental Safeguard Consultant under ADB & EIB financed Projects (RD)	

## Non-Compliance Notice

<b>Project: Construction Supervision of Rehabilitation of Dzirula – Kharagauli –Moliti – Pona – Chumateleti Secondary Road Section (50 Km) –Lot 2</b>	<b>Non-compliance Notice</b>
<b>Contract No: SRIP/CS/QCBS-01</b>	<b>Rehabilitation of Dzirula – Kharagauli – Moliti – Pona – Chumateleti Secondary Road Section (50 Km) –Lot 2 (Contractor-Akkord ICIC)</b>
<b>Contractor: Akkord ICIC</b>	
<b>Reference: LOT 2 construction sites</b>	

This notice is to advise the prime Contractor, on the referenced Contract, of the following notice on health, safety and environmental measures to be implemented **urgently**.

**GENERAL COMMENT FOR ALL SITES:**

Site internally should be arranged properly and cleaned regularly. All construction materials and wastes should be properly segregated and stored adequately, Oil spills should be prevented, Oil spill response kits should be placed at the appropriate locations, Housekeeping must be improved, H&S culture should be established and maintained.

**NON-COMPLIANCE at the Lot 2 construction sites**

- Construction materials (precast concrete, rebar, timber, sand and gravel) left uncontrolled on the ground surface alongside the road
- Different waste is scattered alongside the road (spoil, timber, tree roots, domestic solid waste etc)
- Deep cuts, trenches and pits, are without relevant barriers and warning signs
- Oil drums outdoor, leaking backhoe and scattered waste at the construction base
- Cracks on the ground surface at the spoil disposal area (landslide hazard)

***Construction materials (precast concrete, rebar, timber, sand and gravel) left uncontrolled on the ground surface alongside the road***



*Different waste is scattered alongside the road (spoil, timber, tree roots, domestic solid waste etc)*







*Deep cuts, trenches and pits, are without relevant barriers and warning signs*





***Oil drums outdoor, leaking backhoe and scattered waste at the construction base***



***Cracks on the ground surface at the spoil disposal area (landslide hazard)***



All these conditions have to be remedied by the prime Contractor (Akkord ICIC).

<b>Date of site visit:01.07.2021</b>	
Shalva Bosikashvili - Environmental specialist - Roads Rehabilitation and Modernization Supervision Direction Ltd,	
Luiza Bubashvili - Environmental Safeguard Consultant under ADB & EIB financed Projects (RD)	

### Annex 3 – Complaints

KCMP (Secondary RP)	Verbal	Construction Contractor	02.02.21	km 39+885	Kharagauli Village Tsipa	Gognadze Iuri ID: 57001010939 Tel.: 577039334	Restriction or loss of access
KCMP (Secondary RP)	Written	RD	03.02.21	km 35+570	Kharagauli Village Golatabani	Khatridze Zurab ID: 18001069555 Tel.: 577357751 (Representative of "EnergoPro Georgia" Ltd	Other
KCMP (Secondary RP)	Phone Call	PYUNGHWA	07.02.21	km 39+925- km39+975	Kharagauli Village Tsipa	Bantsadze Madona ID: 01007004891 Tel.:599708477	Damage to Infrastructure / Assets
KCMP (Secondary RP)	Written	RD	12.02.21	km 4+120- km 4+145	Zestaponi Village Dzirula	Giorgadze-Kalandadze Nato ID: 18001014067 Tel.: 593310843	HSE Concerns
KCMP (Secondary RP)	Written	RD	16.02.21	km 39+900	Kharagauli Village Tsipa	Bantsadze Alexander ID 56001010924 Tel.: 599799414	Damage to Infrastructure / Assets

KCMP (Secondary RP)	Verbal	Construction Contractor	22.02.21	km 39+540	Kharagauli Village Tsipa	Kimeridze Lamara ID: 57001046018 Tel.: 579138073	Restriction or loss of access
KCMP (Secondary RP)	Written	Other	01.03.21	km 37+405 km 37+501	Kharagauli village Golatubani	Gachechinaldze Baia ID: 56001011909 Tel.: 511153934	HSE Concerns
KCMP (Secondary RP)	Written	RD	15.03.21	km 2+500 km2+525	Zestaponi Village Dzirula	Ebanoidze Nunu ID: 18001045587 Tel.: 555497658	Inclusion in LARP
KCMP (Secondary RP)	Written	RD	16.03.21	km 38+765 km 38+890	Kharagauli village Tsipa	Bantsadze Elena ID: 5600104148 Tel.: 592054333	Inclusion in LARP
KCMP (Secondary RP)	Written	RD	22.03.21	km 37+600	Kharagauli village Golatubani	Gambashidze Eka ID: 56001006032 Tel.: 577424196	Restriction or loss of access
KCMP (Secondary RP)	Written	RD	24.03.21	km 43+820	Kharagauli village Phona	Gachechiladze Maia ID: 5600101190 Tel.: 5111539349	Damage to Infrastructure / Assets

KCMP (Secondary RP)	Written	RD	01.04.21	km 43+875 km 43+915	Kharagauli Village Phona	Nozadze Gela ID: 57001007583 Tel.: 577339158	Inclusion in LARP
KCMP (Secondary RP)	Written	RD	20.04.21	km 4+120 km 4+145	Zestaponi Village Dzirula	Giorgadze-Kalandadze Nato ID: 18001014067 Tel.: 593310843	Crop Compensation
KCMP (Secondary RP)	Written	RD	17.05.21	km 10+030 km 10+100	Kharagauli Chavchavadze str. N 13	Tkheldize Davit ID 56001006446	Other
KCMP (Secondary RP)	Verbal	PYUNGHWA	19.05.21	km 48+235 km 48+275	Khashuri, Surami, village Chumateleti	Bladze Omari ID:57001039625 Tel.: 593608264	Damage to Infrastructure / Assets
KCMP (Secondary RP)	Written	RD	19.05.21	km 16+850 km 16+900	Kharagauli village Saghandzilo	Kruashvili Malkhaz ID: 56001001126 Tel.: 599333723	HSE Concerns
KCMP (Secondary RP)	Written	RD	20.05.21	km 48+235 km 48+2755	Khashuri, Surami, village Chumateleti	Kakiashvili Temuri ID: 57001047299 Tel.: 593651331	Inclusion in LARP
KCMP (Secondary RP)	Written	RD	21.05.21	km 42+255	Kharagauli village Phona	Nozadze Tariel ID: 56001000935 Tel.: 551653620	Damage to Infrastructure / Assets

KCMP (Secondary RP)	Written	RD	01.06.21	km 5+165	Kharagauli village Lashe	Collective letter Contact person: Gurgenidze Ivane ID: 56001024464 Tel.: 593164543	Restriction or loss of access
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