

# Semi-annual Environmental Monitoring Report

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Loan Number: ADB Loan 3432-KGZ (SF)  
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Semi-annual Environmental Monitoring Report  
January to June, 2022

Kyrgyz Republic:

## **CAREC Corridors 1 and 3 Connector Road, Section 2B Epkin-Dyikan [Bashkugandy], Km: 89+500 – 159+200 Project**

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Approved by: [Name and signature of Executive Agency staff]

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## Abbreviations

|           |  |
|-----------|--|
| ADB       | - Asian Development Bank   |
| ACP       | - Asphalt Concrete Plant   |
| CAREC     | - Central Asia Regional Economic Cooperation   |
| CSC       | - Construction Supervision Consultant  |
| EMP       | - Environmental Management Plan  |
| SSEMP     | - Site Specific Environmental Management Plan  |
| PIU       | - Projects Implementation Unit   |
| m         | - Meter  |
| km        | - Kilometer  |
| KR        | - Kyrgyz Republic  |
| MPC       | - Maximum permissible concentration  |
| MAL       | - Maximum Acceptable Level   |
| MoTC KR   | - Ministry of Transport and Communication of KR  |
| MF KR     | - Ministry of Finance of the Kyrgyz Republic   |
| MoCT KR   | - Ministry of Culture and Tourism of the Kyrgyz Republic   |
| MNRETS KR | - Ministry of Natural Resources, Environment and Technical Supervision of the Kyrgyz Republic  |
| NTAETS    | - Naryn Territorial Administration for Environmental and Technical Safety under MoNRE and TS KR                                      |
| DPSSSED   | - Disease Prevention and State Sanitary and Epidemiological Surveillance Department of the Ministry of Health of the Kyrgyz Republic |
| TR        | - Terms of Reference   |
| SR        | - Safety Rules   |
| FS        | - Feasibility Study  |
| CSP       | - Crushing and Screening Plant   |
| RME       | - Road Maintenance Enterprise  |
| HCHS      | - Historical and Cultural Heritage Site;   |
| EIA       | - Environmental Impact Assessment  |
| LP        | - Labor Protection   |
| HS        | - Health Safety  |
| LLC       | - Limited Liability Company  |
| HCHSPP    | - Historical and Cultural Heritage Site Protection Project   |
| PPE       | - Personal Protective Equipment  |

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## 1. INTRODUCTION

### 1.1 Preamble

1. This Report is a semi-annual environmental monitoring review for the CAREC Corridors 1 and 3 Connector Road Section 2B Epkin (Km: 89+500) - Dyikan (Bashkugandy) (Km: 159+200) Project.
2. The document is the 6<sup>th</sup> semi-annual report of environmental monitoring covering the six-month period of the project work conducted during January – June, 2022.

### 1.2 Headline Information

3. The Kyrgyz Republic is a landlocked mountainous country, and regional trade is heavily dependent on road transport, which dominates the Kyrgyz transport system and heavily relies on road transport. The government of the Kyrgyz Republic asked the Asian Development Bank (ADB) to assist in financing the implementation of the CAREC Corridors 1 and 3 Connector Road Section 2B Epkin (Km: 89+500) - Dyikan (Bashkugandy) (Km: 159+200) Project.

4. The CAREC Corridors 1 and 3 (Epkin Road Section (km 89 + 500) - Dyikan (Bashkugandy) (km 159 + 200) Project aims to improve transport communication and market access in the Kyrgyz Republic. The Project will result in efficient movement of freight and passenger traffic along the CAREC corridors 1 and 3, improving the safety of both road users and pedestrians, and minimizing the road's environmental impact in terms of noise from passing traffic by reconstructing the asphalt pavement.

5. The Project will improve the following socio-economic indicators of the regions of the Kyrgyz Republic:

- Reduction of the passenger and freight transport cost between the southern and Issyk-Kul and Naryn regions by providing direct access.
- Reduction of transport costs due to reduced route and improved road conditions.
- Increased local and international traffic.
- Additional income opportunities for local residents.
- Creation of new jobs.
- Good condition of vehicles /Reduced operating costs

6. CAREC Corridor 1 connects the Russian Federation and Europe with the PRC; it is the only north-south highway that provides access from the central part of the Kyrgyz Republic to the rest of the country and beyond. Likewise, CAREC Corridor 3 connects the Russian Federation and Europe with Central East and South Asia. This is the only direct link between the southern and northern parts of the country, linking two large economic and agricultural centers - Bishkek capital and the country's second largest Osh town. Joining of these two CAREC corridors will link the southern regions (Batken, Jalal-Abad and Osh) with the northern regions (Chui, Issyk-Kul, Naryn and Talas) via a faster and safer alternative route and facilitate further access to international markets.

7. In connection of contractual changes, the contractor was changed to perform construction work on the project section. A new contract was signed with China Railway No.5 Engineering Group Co., Ltd. on September 23, 2021; the contract work's commencement was January 15, 2022.

8. During the reporting period, activities included road maintenance, replacement of culverts, excavation of waste material from cuts; a crushing and screening plant has been installed and is operating at the production site, mobilization is currently being completed and testing of the asphalt concrete plant is being carried out; archaeological excavation activities at sites of historical and cultural heritage were carried out following the Protection Zone Plan.

9. This Report contains information on the status of activities related to the prevention adverse impacts on the environment. It should be noted that the observations and mitigation measures presented in this report are based on a monthly visit-inspection of the project road section for the reporting period conducted by the Consultant's environmental specialist and road safety specialist, and an audit carried out by an international environmental specialist in May 2022.

10. During the audit conducted in May 2022 the Consultant's international environmental and local environmental specialists jointly with the Contractor's environmental specialist inspected quarries, spoil areas, environmentally sensitive sections, assessed the water, air, noise and vibration points for instrumental measurements, examined the condition of cultural and historical heritage sites (CHHS) along the project site, the tree growing areas falling for removal during construction work, as well as visited and familiarized with the progress of ongoing work at the site of the production base and the contractor's camp.

11. All observed non-compliances are listed in section 3.3.(Issues Tracking); the international consultant's report on the identified environmental and safety non-compliances in the project area, as well as the recommended corrective actions to mitigate the impact, is presented in Annex 3 hereto.

### **1.3 Camp**

12. The contractor's camp is located on the municipal territory of Kuyruchuk Aiyl Okmotu, not far from the contractor's production base. The new contractor received permits from Kuyruchuk Aiyl Okmotu to use this territory.

13. The new contractor's camp territory is currently completely built up. The camp is 2.0 hectares in total. The camp contains offices, a kitchen, a canteen, consultants' residential rooms, a laboratory, a dormitory for contractor's workers, a contractor's office, an equipment maintenance workshop, parking for cars and trucks; a line maintenance hangar, security room, transformer, waste bin area (domestic and food waste), decantation tank, outdoor toilet and shower.

14. All obtained permits are presented in Annex 1 hereto.

## PROJECT DESCRIPTION AND CURRENT ACTIVITIES.

### 2.1 Project Description.

#### 2.1.1 Project Section Location and Basic Design.

15. The project road Epkin (89 + 500 km) - Dyikan (Bashkugandy) (159 + 200 km) is a 70-kilometer highway from east to west. This section follows the existing road to Bashkugandy (km 159). The section belongs to the Naryn region, crosses a small western part of the Kochkor district but most of it is located in the Jumgal district. The road is in poor condition; the surface is uneven with numerous potholes covered with frequent transverse and longitudinal cracks, often with a network of cracks. There are forage and irrigation ditches, lowlands and hills with pastures along the project road section. The road follows the Jumgal River and crosses the Tugol-Sai River. The map of the project road is shown in Figure 1. Nearby villages located along the road section are listed in Table 1.

16. The road runs through the Kochkor valley, ascends to about 2600 m, which highest point is on the Kyzart Pass, after which it descends to the Jumgal depression. The section runs west to Bashkugandy village, passes through a series of settlements interspersed with agricultural fields with a two-lane roadway configuration. These western parts of the Kochkor district represent vast sections of agricultural land intended for agriculture and livestock husbandry. The high-mountainous part is the border between the Kochkor and Jumgal districts, as well as the border of the water-parting lines of the Chui and Jumgal rivers. This high point of the road is a pass point between mountain ranges running parallel east to west of Naryn Region. The area is characterized as hilly and mountainous and covered with grasses suitable for grazing.

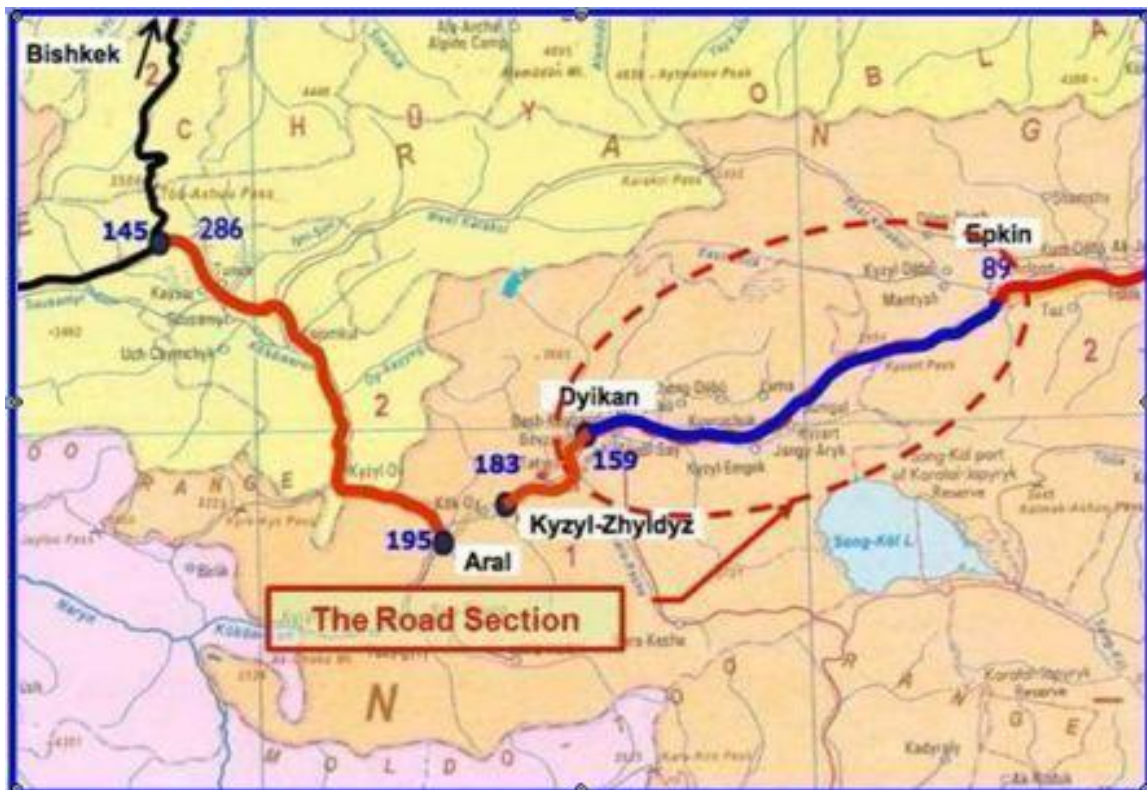


Figure 1. Map of Epkin-Dyikan (Bashkugandy) Location.

**Table 1 Names of Villages along the Project Road Section.**

| Region | District               | Village     | Section/km             |
|--------|------------------------|-------------|------------------------|
| Naryn  | Kochkor (western part) | Epkin       | Km 89+500 – Km 159+200 |
|        | Jumgal                 | Jumgal      |                        |
|        |                        | Kuyruchuk   |                        |
|        |                        | Tugol-Sai   |                        |
|        |                        | Bashkugandy |                        |

17. Geotechnical conditions for subgrade construction on the road section between Epkin and Dyikan is favorable. The basic direction of the 70 km long road is laid mainly on the existing roadbed with gravel fill, in some places with asphalt pavement. The pavement is asphalt, mainly of 5–6 cm thick, rarely 9–10 cm. The pavement base is constructed of gravel, pebble and crushed stone soil with sandy loam and sandy aggregate.

18. The main works include earthworks, construction of culverts, reconstruction of the bridge in Tugol-Sai village (km 148+850) and asphalt pavement. In order to improve drainage systems, the work includes the reconstruction and replacement of most of the deteriorated irrigation culverts, as well as the new drainage structures construction.

19. Construction work is carried out mainly within the existing road's right-of-way, thus minimizing environmental impact. The Project includes a number of related activities, such as development of quarries, operation of the concrete plant and crushing and screening plant, the construction of a camp for workers and storage areas, etc.

20. In accordance with the Terms of Reference, the road pavement is designed for an initial design life of 10 years with options for structural overlay for a design life of 15 and 20 years.

### 2.1.2 Work Scope under Contract.

21. Details of the designed project road section:

- To restore and lay the project road to Technical Category II from Epkin (km 89) to Bashkugandy (km 159) in accordance with the National Standard of Kyrgyzstan with geometric and structural requirements with an estimated speed of 90 km/h outside settlements and 60 km/h in villages.
- Reconstruction, repair and/or replacement of bridges and culverts.
- Construction of side drains and other drainage structures.
- Provision of retaining walls and riverbed protection measures, if necessary.
- Provision of proper road signs and markings.
- Provision of protective guard-rails.

22. The road was designed in accordance with the Kyrgyz geometric design standard for Category II, and, accordingly, it must be sufficient to effectively withstand the load of transport during the projected service life. In fact, it will be a two-lane road consisting of the width of the roadway (the sum of the width of the lanes) and the width of the shoulder. The design elements for the project road's cross section are as follows:

- Number of lanes: 2
- Lane width: 3.5-3.75 m
- Carriageway width: 7.00-7.50 m
- Shoulder width: 3.25–3.75 m (of which 0.50–0.75 m asphalted)
- Total road width: 15.00 m

23. Detailed engineering designs have been prepared based on topographic surveys and geotechnical studies, as well as road surface, drainage structure and bridge conditions. International standards were applied to compensate for any deficiencies in national standards. The ADB-financed road section (Epkín-Bashkugandy) is a two-lane road with a pavement width of 6-8 meters (m), and mostly asphalt pavement in poor condition. About 70% of asphalt areas are in poor condition with potholes, cracks and broken edges, and some areas are already deteriorated down to gravel. The average roughness index is 8.33 m/km.

24. Operation of heavy and noisy machines in the vicinity of settlements was conducted during the daytime. No-vibration compaction method was utilized in residential areas and in close vicinity to cultural and historical heritage sites along the road.

25. The contract for the provision of construction supervision services was concluded between Gentek International Engineering and Consulting Limited and the Ministry of Transport and Communications of the Kyrgyz Republic on August 1, 2018.

26. The project provides for the construction and repair of the following engineering structures and communications, as well as the parameters of the scope of work.

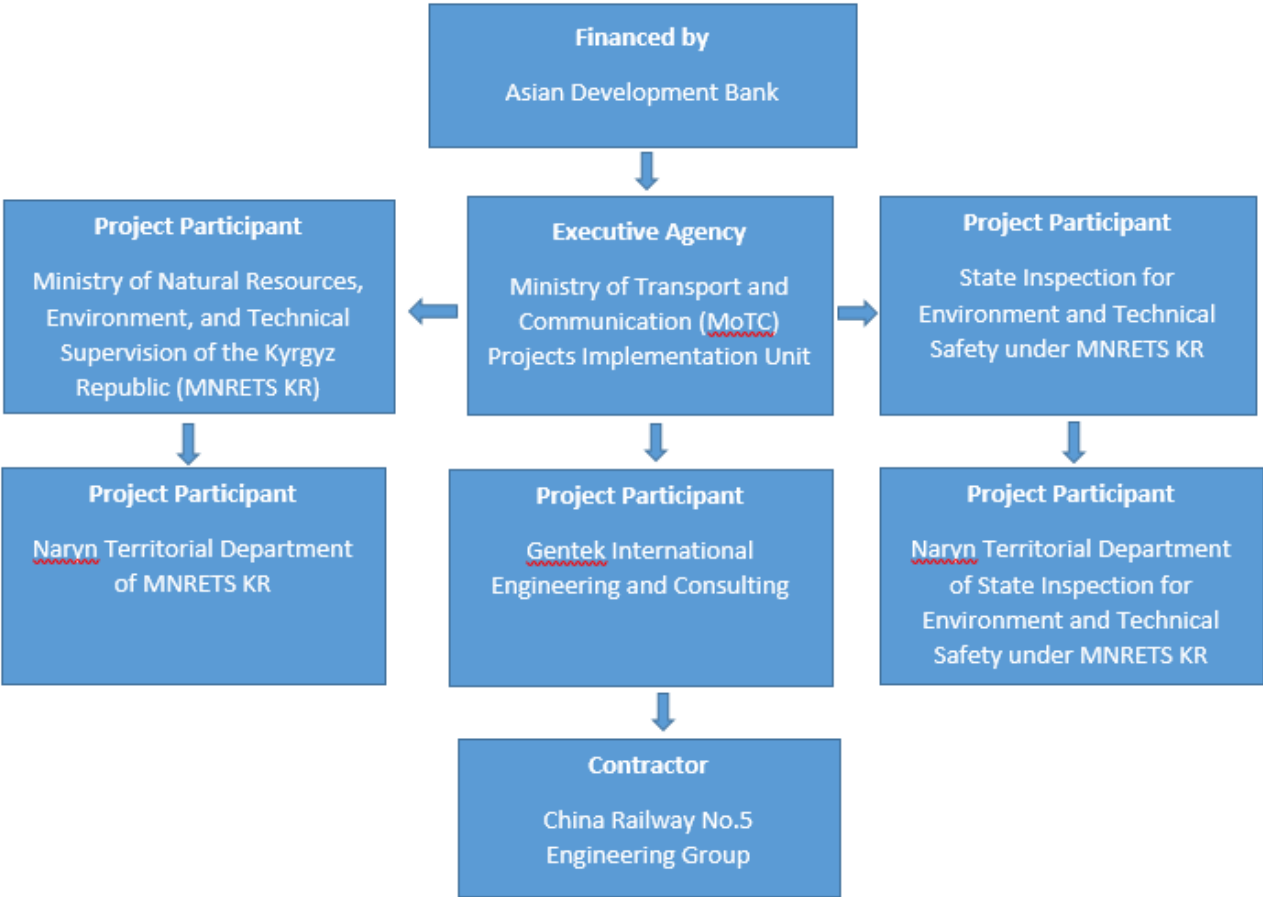
- Asphalt pavement 103 963 m<sup>3</sup>;
- Binder with 9 cm thickness - 62225 m<sup>3</sup>;
- Wearing layer with 6 cm thickness – 41738 m<sup>3</sup>;
- Base, with 20 cm thickness – 148 771 m<sup>3</sup>;
- Lower shoulder with 20 cm thickness – 70 648 m<sup>3</sup>;
- Upper shoulder with 15 cm thickness – 61301 m<sup>3</sup>
- Subbase with 25 cm thickness – 361 612 m<sup>3</sup>

**Table 2 Project Details**

| from   | to                                   |           | Total Road Length                           |               |                        |           |
|--|--------------------------------------|-----------|---|---------------|------------------------|-----------|
| Km 89+500                                      | Km 159+200                           |           | 69.7 Km                                     |               |                        |           |
| <b>Excavation to dump</b>                      | 406 818 m <sup>3</sup>               |           | Unsuitable material from cuts               |               | 269 291 m <sup>3</sup> |           |
|  |                                      |           | Rock material from cuts                     |               | 136 860 m <sup>3</sup> |           |
|  |                                      |           | Unsuitable demolition material              |               | 667 m <sup>3</sup>     |           |
| <b>Embankment</b>                              | 533 250 m <sup>3</sup>               |           | Common material from cuts                   |               | 174 697 m <sup>3</sup> |           |
|  |                                      |           | Rock embankment from cuts                   |               | 9 100 m <sup>3</sup>   |           |
|  |                                      |           | Common material from the quarry             |               | 186 663 m <sup>3</sup> |           |
|  |                                      |           | Selected material from the quarry           |               | 157 290 m <sup>3</sup> |           |
|  |                                      |           | Common material for road signs and backfill |               | 5 500 m <sup>3</sup>   |           |
| <b>Subbase C grade, 0/40 fraction</b>          | 364 667 m <sup>3</sup>               |           | Thickness on main road = 25 cm              |               | 361 612 m <sup>3</sup> |           |
|  |                                      |           | Thickness on ramps = 25 cm                  |               | 3 055 m <sup>3</sup>   |           |
| <b>Lower shoulder C4 grade, 0/70 fraction</b>  | 71 063 m <sup>3</sup>                |           | Thickness on main road = 20 cm              |               | 70 648 m <sup>3</sup>  |           |
|  |                                      |           | Thickness on ramps = 15 cm                  |               | 415 m <sup>3</sup>     |           |
| <b>Upper shoulder C10 grade, 0/40 fraction</b> | 62 131 m <sup>3</sup>                |           | Thickness on main road = 15 cm              |               | 61 301 m <sup>3</sup>  |           |
|  |                                      |           | Thickness on ramps = 5 cm                   |               | 830 m <sup>3</sup>     |           |
| <b>Base I grade, 0/30 fraction</b>             | 149 681 m <sup>3</sup>               |           | Thickness on main road = 20 cm              |               | 148 771 m <sup>3</sup> |           |
|  |                                      |           | Thickness on ramps = 15 cm                  |               | 910 m <sup>3</sup>     |           |
| <b>Asphalt pavement</b>                        | 103 963 m <sup>3</sup>               |           | Binder Thickness = 9 cm                     |               | 62 225 m <sup>3</sup>  |           |
|  |                                      |           | Wearing layer Thickness = 6cm               |               | 41 738 m <sup>3</sup>  |           |
| <b>Drainage</b>                                | Open drain                           |           | Closed PVC drain                            |               | Closed drain, non-PVC  |           |
|  | Excavation for 20 258 m <sup>3</sup> |           | 1 363 m                                     |               | 3 000 m                |           |
| <b>Sulphate-resistant culverts, B30</b>        | D = 1.0 m                            | D = 1.5 m | D = 2.0x1.5 m                               | D = 2.0x2.0 m | D = 1.0 m              | D = 1.0 m |
|  | 1 130 m                              | 898 m     | 25 mm                                       | 27 m          | 10 m                   | 11 m      |
| <b>Reinforcement</b>                           | 42.91 t                              |           | Bridge                                      |               | 28.87 m                |           |

**2.2 Project Contracts and Management.**

27. A scheme of the organizational structure and management of project activities is shown in Figure 2. Representatives of the main organizations involved in the project and related to environmental protection are listed in Table 3. Representatives involved in the organization and implementation of the project work are shown in Tables 4 and 5.



**Figure 2 Project Organizational Structure and Management.**

**Table 3 Main organizations involved in the project.**

| No | Name of company   | Activities in the project              | Responsible persons for environmental protection | Contact details  |
|----|---|--|--|--|
| 1  | ADB   | Country Environmental Focal            | Ninette R. Pajarillaga                           | <a href="mailto:npajarillaga@adb.org">npajarillaga@adb.org</a>               |
| 2  | ADB   | National Environmental Consultant      | Sultan Bakirov                                   | <a href="mailto:Sbakirov.consultant@adb.org">Sbakirov.consultant@adb.org</a> |
| 3  | PIU MoTC KR   | Environmental Specialist               | Abdygulov Asylbek                                | <a href="mailto:asylbeka@piumotc.kg">asylbeka@piumotc.kg</a>                 |
| 4  | Gentek Consulting Company   | International Environmental Specialist | Garajayeva Nargiz                                | <a href="mailto:nargiz.garajayeva@gmail.com">nargiz.garajayeva@gmail.com</a> |
| 5  | Gentek Consulting Company   | National Environmental Specialist      | Zhumaliev Talantbek                              | <a href="mailto:take0978@mail.ru">take0978@mail.ru</a>                       |
| 6  | Contracting company: China Railway No. 5 Engineering Group Co., Ltd | Environmental Specialist               | Nurlan Nurdinov                                  | <a href="mailto:nnurdinov78@mail.ru">nnurdinov78@mail.ru</a>                 |

**Table 4 List of Consultant's Employees.**

| <b>International Employees</b>                 |                                  |
|--|----------------------------------|
| Senior Highway Engineer / Team Leader          | Selcuk Mutlu                     |
| Pavement and Materials Engineer                | Ersoz Yamak                      |
| Structural Engineer                            | Sadi Numan                       |
| Road Safety Engineer                           | Ercan Duymaz                     |
| Social development and Resettlement Specialist | Saim Tuzlu                       |
| Contract Specialist                            | Rufat Mammadov                   |
| Environmental Specialist                       | Nargiz Garajayeva                |
| <b>National Employees</b>                      |                                  |
| Highway Engineer/Deputy Team Leader            | Zheksheev Mirislan Sarychalovich |
| Pavement and Materials Engineer                | Ayazbekov Melis Shakenovich      |
| Structural Engineer                            | Moldogaziev Nasyr Takishovich    |
| Quality Assurance Engineer                     | Orozbakov Nurlan Munderovich     |
| Quantity Engineer                              | Kaparov Saadalbek Abdyldaevich   |
| Road Safety Engineer                           | Toktomushev Bolotbek             |
| Social and Resettlement Specialist             | Omorbekov Azamat                 |
| Environmental Specialist                       | Zhumaliev Talantbek Nurgazievich |

**Table 5 List of key employees of the Contractor.**

| #                                     | Position   | Professional qualifications           | Personnel                      |
|---------------------------------------|--|---------------------------------------|--------------------------------|
| <b><i>International Employees</i></b> |  |                                       |                                |
| 1                                     | Project Manager                                    | Road and Bridge Engineering           | Zhang Liang                    |
| 2                                     | Civil Engineer                                     | Survey Engineering                    | Zhan Shishan                   |
| 3                                     | Civil Engineer                                     | Transportations and Civil Engineering | Du Moufu                       |
| 4                                     | Structural Engineer                                | Road and Bridge Engineering           | Li Hong                        |
| 5                                     | Pavement/materials Engineer                        | Testing Engineer                      | Li Yong                        |
| 6                                     | Quality Control/Assurance Engineer                 | Civil Engineering                     | Qian Xiang                     |
| 7                                     | Equipment Plant Engineer                           | Mechanic Engineering                  | Wang Haijiang                  |
| <b><i>Local Employees</i></b>         |  |                                       |                                |
| 8                                     | Environment, Health, & Safety Specialist           | Ecology and Nature Management         | Nurdinov Nurlan                |
| 9                                     | Social Development and Public Relations Specialist | Road Engineering                      | Kamchybekov Maksat             |
| 10                                    | Archaeologist                                      | History & Archaeology                 | Soltobaev Orozbek<br>Azekovich |
| 11                                    | HSE Engineer                                       |                                       | Kozhomkul Abylabekov           |

28. The details of the contract of the contracting company responsible for the road construction work are shown in table 6 below.

**Table 6 Project Contracts and Management.**

| <b>Project</b>   | <b>Kyrgyz Republic: CAREC Corridors 1 and 3 Connector Road Project</b>  |
|--|---|
| Contractor   | China Railway No.5 No.5 Engineering Group Co. Ltd.  |
| Road Section:  | 89 + 500km - 159 + 200km, total length 70km   |
| Donor:   | Asian Development Bank.   |
| Contract signing date:   | 23.09.2021  |
| Executive Agency   | Ministry of Transport and Communications of the Kyrgyz Republic   |
| Commencement Notification  |   |
| Completion Date  |   |
| Completion period - days   | 2,5-years (30 month) or (900days)   |
| Time Extension - days  | -   |
| Warranty period - days   | 3 years   |
| Contract Amount  | US\$ 39,100,002.18  |
| The intermediate payment minimum amount, USD (2%)                                  | 2% of the Accepted Contract Amount.   |
| The total advance payment amount   | 15% Percentage of the Accepted Contract Amount payable in the currencies and proportions in which the Accepted Contract Amount is payable |
| Bank guarantee amount  | The performance security will be in the form of an unconditional bank guarantee in the amount of 10 % of the Accepted Contract Price.     |
| Third party insurance amount   | 1,000,000 US Dollars per occurrence with the number of occurrences unlimited  |
| Insurance submission deadlines<br>a) insurance certificate<br>b) relevant policies | Periods for submission of insurance:<br>28 days<br>28 days  |
| Penalties for late completion of work  | 0.05%of the Contract Price per day, in the currencies and proportions in which the Contract Price is payable.                             |
| Maximum amount of penalties for delay  | 10.0% of the Contract Price.  |
| Reimbursement of depreciation and prepayment                                       | 30%   |
| Limitation on deduction of money   | 10% of the accepted Contract amount   |
| Retention rate   | 10% of the amount of the Interim Payment Certificates   |

### 2.2.1 Project Contracts and Management.

29. Relevant institutions working with the project include:

- Ministry of Finance of the Kyrgyz Republic (MF),
- Ministry of Transport and Communication of the Kyrgyz Republic (MoTC)
- Investment Projects Unit (PIU) under MoTC,
- Ministry of Energy and Industry of the Kyrgyz Republic (MoEI)
- Ministry of Natural Resources, Environment and Technical Supervision of the Kyrgyz Republic (MNRETS)
- Department of Disease Prevention and State Sanitary and Epidemiological Surveillance of the Ministry of Health of the Kyrgyz Republic (DDPSSSES).

30. MoTC is responsible for the development of the transport sector and is the Executing Agency (EA) for the project. MoTC has overall responsibility for planning, design, implementation and monitoring of the project. PIU works under MoTC and performs tasks assigned by the MoTC.

31. MF KR is the authorized government body responsible for coordinating with ADB and other donors regarding foreign aid issues.

32. MNRETS is the leading environmental state agency responsible for state policy in this area and coordinating the actions of other government agencies in these matters. Its functions include:

- development of environmental policy and its implementation;
- carrying out state ecological expertise;
- issuance of environmental licenses;
- environmental monitoring;
- provision of environmental information services.

33. MoEI monitors compliance with:

- I. environmental legislation, established rules, limits and norms for the use of natural resources, standards for emissions and discharges of pollutants and disposal of waste in the environment;
- II. industrial safety requirements for construction, expansion, reconstruction, technical re-equipment, operation, conservation and liquidation of hazardous production facilities;
- III. requirements of land legislation;
- IV. safety requirements for equipment and facilities for storing and dispensing oil products and gases, lifting cranes;
- V. requirements for the rules of safe operation during construction, installation and adjustment of electrical networks and electrical equipment.

34. DDPSSSES supervises the sanitary and epidemiological welfare of the population, safety of goods, products, environmental objects and conditions, prevention of the harmful effects of environmental factors on human health.

## 2.3 Project Activities during Current Reporting Period.

### 2.3.1 Road Construction Works.

35. During the reporting period, the following work has been carried out throughout the project area:

- Mobilization and installation of plants and equipment for the production of asphalt concrete mix, concrete and crushed aggregate fractions;
- Maintenance of the existing road (such as clearing, maintenance of the road and structures, installation of temporary road signs, dust suppression in dry weather);
- Cut excavation;
- Embankment;
- Construction of subgrade, subbase and base layers;
- Construction of binder course layer;
- Completion of installation of previously started culverts, as well as laying of new culverts.

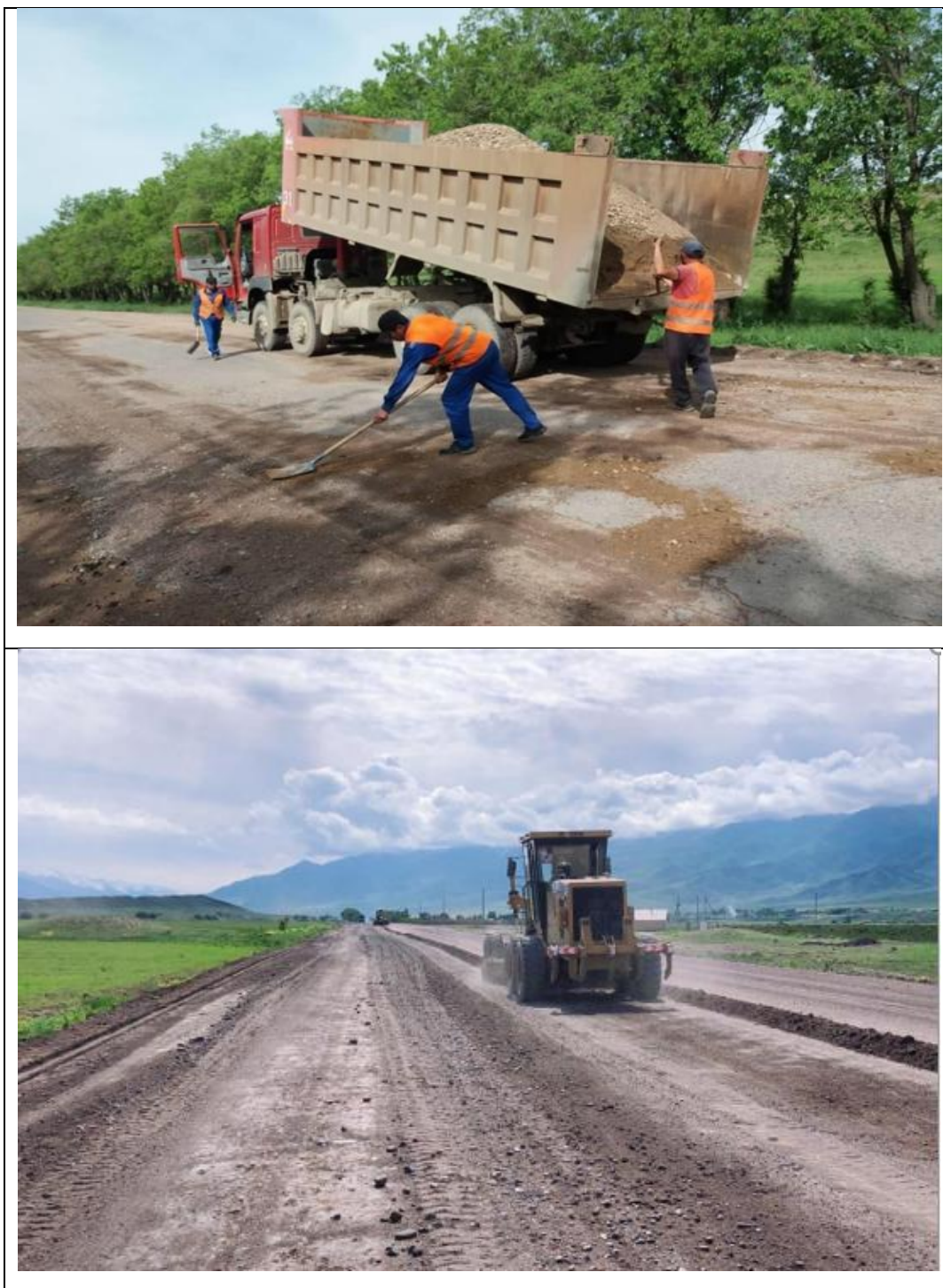
36. Contractor's work plan is summarized in table 7 below.



**Figure 3 Temporary road signs installation.**

**Table 7 Contractor's Work Plan.**

| TASK NAME                    | FROM KM | TO KM   | LENGTH | START    | END      | PERIOD |
|------------------------------|---------|---------|--------|----------|----------|--------|
| CONSTRUCTION OF THE PROJECT  |         |         |        | 15-01-22 | 2-07-24  | 900    |
| MOBILIZATION                 |         |         |        | 15-01-22 | 15-04-22 | 91     |
| RELOCATION                   |         |         |        | 1-06-22  | 15-11-22 | 168    |
| TELEGRAPH POLE               | 89+500  | 159+200 | 69 700 | 1-06-22  | 15-11-22 | 168    |
| UNDERGROUND CABLES           | 89+500  | 159+200 | 69 700 | 1-06-22  | 15-11-22 | 168    |
| UNDERGROUND WATER MAIN       | 89+500  | 159+200 | 69 700 | 1-06-22  | 15-11-22 | 168    |
| CULVERTS                     | 129+300 | 157+100 | 27 800 | 25-05-22 | 30-11-22 | 190    |
|                              | 110+728 | 118+961 | 8 233  | 1-08-22  | 20-11-22 | 112    |
|                              | 118+961 | 129+300 | 10 339 | 20-03-23 | 1-08-23  | 135    |
|                              | 89+500  | 110+728 | 21 228 | 2-08-23  | 1-10-23  | 61     |
| BRIDGE                       |         |         | 1      | 1-04-23  | 31-10-23 | 214    |
| RETAINING WALL               | 142+962 | 159+200 | 16 238 | 15-08-22 | 12-11-22 | 90     |
|                              | 127+740 | 128+675 | 935    | 20-03-23 | 30-03-23 | 11     |
| CUT EXCAVATION               | 117+200 | 119+500 | 2 300  | 1-08-22  | 31-10-22 | 92     |
|                              | 111+400 | 114+260 | 2 860  | 1-04-23  | 1-08-23  | 123    |
| SUBGRADE                     | 129+200 | 159+200 | 30 000 | 25-04-22 | 21-09-22 | 150    |
|                              | 89+500  | 129+200 | 39 700 | 1-04-23  | 30-10-23 | 213    |
| SUBBASE                      | 129+200 | 159+200 | 30 000 | 7-05-22  | 28-09-22 | 145    |
|                              | 99+200  | 129+200 | 30 000 | 25-04-23 | 20-10-23 | 179    |
|                              | 89+500  | 99+200  | 9 700  | 25-03-24 | 17-04-24 | 24     |
| BASE                         | 134+200 | 159+200 | 25 000 | 18-06-22 | 29-09-22 | 104    |
|                              | 99+200  | 134+200 | 35 000 | 25-04-23 | 7-10-23  | 166    |
|                              | 89+500  | 99+200  | 9 700  | 10-04-24 | 23-04-24 | 14     |
| BINDER COURSE                | 134+200 | 159+200 | 25 000 | 27-06-22 | 6-10-22  | 102    |
|                              | 99+200  | 134+200 | 35 000 | 30-04-23 | 14-10-23 | 168    |
|                              | 89+500  | 99+200  | 9 700  | 19-04-24 | 14-05-24 | 26     |
| WEARING COURSE               | 134+200 | 159+200 | 25 000 | 21-07-22 | 20-10-22 | 92     |
|                              | 99+200  | 134+200 | 35 000 | 17-05-23 | 26-10-23 | 163    |
|                              | 89+500  | 99+200  | 9 700  | 15-05-24 | 3-06-24  | 20     |
| ROAD SHOULDER                | 134+200 | 159+200 | 25 000 | 16-07-22 | 28-10-22 | 105    |
|                              | 99+200  | 134+200 | 35 000 | 1-04-23  | 15-11-23 | 229    |
|                              | 89+500  | 99+200  | 9 700  | 5-05-24  | 13-06-24 | 40     |
| ANCILLARY WORKS              |         |         |        | 1-09-22  | 15-05-24 | 623    |
| LONGITUDINAL DITCHES         | 89+500  | 159+200 | 5 000  | 1-09-22  | 1-05-24  | 609    |
| SIDE WALKS                   | 89+500  | 159+200 | 5 000  | 1-09-22  | 15-05-24 | 623    |
| BUS STOPS PCS, TOILET        | 89+500  | 159+200 | 16     | 1-08-23  | 15-05-24 | 289    |
| ROAD SIGNS                   | 134+200 | 159+200 | 25 000 | 12-09-22 | 11-11-22 | 61     |
|                              | 99+200  | 134+200 | 35 000 | 1-07-23  | 25-11-23 | 148    |
|                              | 89+500  | 99+200  | 9 700  | 20-03-24 | 20-06-24 | 93     |
| ROAD MARKING                 | 89+500  | 159+200 | 69 700 | 1-09-23  | 15-06-24 | 289    |
| LIGHTING INSTALLATION        | 89+500  | 159+200 | 69 700 | 1-08-23  | 1-06-24  | 306    |
| SNOW FENCE                   | 89+500  | 159+200 | 69 700 | 1-09-23  | 1-04-24  | 214    |
| METAL GUARDRAILING           | 89+500  | 159+200 | 69 700 | 1-09-23  | 1-05-24  | 244    |
| REINFORCED CONCRETE PARAPETS | 89+500  | 159+200 | 3 861  | 1-08-22  | 1-05-23  | 274    |
| HAND OVER                    | 89+500  | 159+200 | 69 700 | 15-06-24 | 2-07-24  | 18     |



**Figure 4 Site Works.**

37. Table 8 provides the information on the volume and percentage of the work done at the project site during the reporting period. During the reporting period, active works were mainly carried out on the following sections:

- 1) km089+500 – km095+000
- 2) km106+000 – km122+000
- 3) km133+000 – km136+000
- 4) km137+200 – km142+000
- 5) km144+100 – km148+700
- 6) km150+400 – km159+200

**Table 8 Scope of the main work performed for 01.01.2022- 31.06.2022.**

| Description                                    | Unit           | Quantity   |             |            | %      |           |
|--|----------------|------------|-------------|------------|--------|-----------|
|  |                | By BoQ     | Actual      | Remaining  | Actual | Remaining |
| Grubbing and Clearing                          | ha             | 40.97      | 0.00        | 40.97      | 0%     | 100%      |
| Existing asphalt pavement break up and removal | m <sup>3</sup> | 10 832.72  | <b>0.00</b> | 10 832.72  | 0%     | 100%      |
| Cut Excavation                                 | m <sup>3</sup> | 338 893.09 | 4 920.00    | 333 973.09 | 1%     | 99%       |
| Embankment                                     | m <sup>3</sup> | 379 576.35 | 7 560.00    | 372 016.35 | 2%     | 98%       |
| Subgrade                                       | m <sup>3</sup> | 295 707.34 | 3 100.00    | 292 607.34 | 1%     | 99%       |
| Subbase  | m <sup>3</sup> | 289 392.30 | 4 050.00    | 285 342.30 | 1%     | 99%       |

38. ADB sent a request to the Consultant to conduct public consultations with the local community prior to the start of full-scale work on the project sections. Public consultations were held on May 14, 2022. A report on the results of the problems discussed with the population is presented in the Annex 4 hereto.

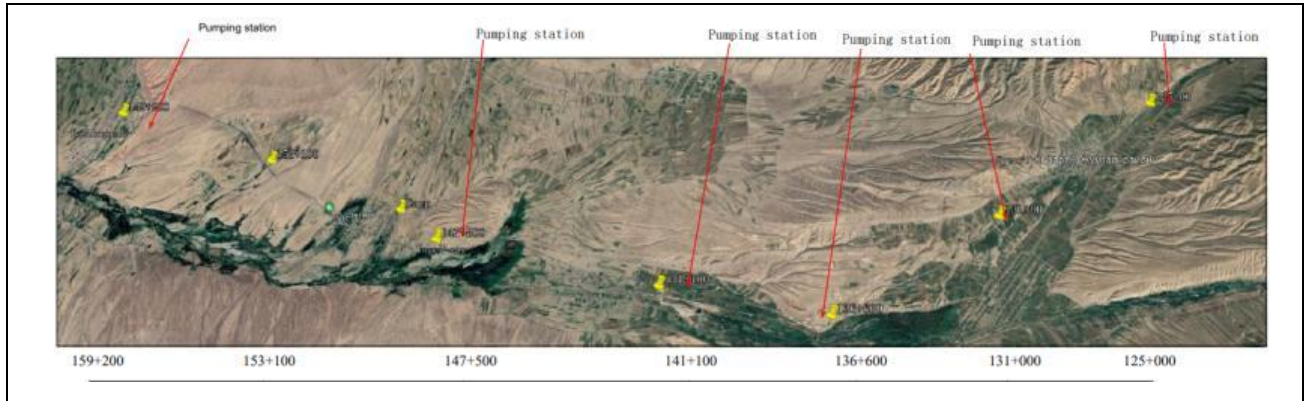


**Figure 5 Public consultations of the Consultant's specialists with representatives of local residents, May 14, 2022.**

39. At the beginning of the year, work was carried out to suppress dust and use 6 water trucks at the site. During public consultations, local residents requested to increase the intensity of the dust suppression process due to the onset of hot and dry weather. In addition, an increase in dust was noted on the road during the project road visit by the international and local environmental consultants on May 24-25, 2022. The request for more intensive dust suppression was communicated to the Contractor.

40. Dust suppression is carried out in the areas where construction work is being carried out and in the roads in vicinity of the settlements located along the project site. Currently, dust

suppression is being executed using 10 water trucks at the sections where the activity is ongoing, as well as in the following settlements: Tugol-Sai, Kuyruchuk, Jumgal, Ak-Uchuk villages. From July 2022, due to a request during the ADB mission visit, the contractor plans to increase the number of water trucks up to 15.



**Figure 6 Water intake points for dust suppression.**

41. The water used for dust suppression is taken from the Jumgal, Tugol-Sai rivers, from a channel at km 147+540, Kyzart-Suu, Kara-Suu near Bash-Kuugandy Tugol-Sai, Kuyruchuk and Jumgal villages. Dust suppression works are carried out from 7 am to 19:00 pm.



**Figure 7 Dust suppression on roads.**

### 2.3.2 Quarries.

42. On the project road (Epkin-Dyikan section, km 89-159), 13 sites were allocated for quarries. The Contractor received all the necessary permits/approval from local authorities, and the Ministry of Natural Resources, Environment and Technical Supervision of the Kyrgyz Republic (MNRETS). The MoTC KR received an entrusted permit for all quarry sites from the State Committee for Industry, Energy, and Subsoil Use under the Government of the Kyrgyz Republic (SCIESU under GKR). Table 8 shows the main characteristics of the quarries.

43. In 2020 at the beginning of the development of quarry No. 11 (km. 145+800, Kuyruchuk village), the Consultant Engineer determined the inadequate quality of the contained inert material (high content of clay substances) making the material from this quarry unsuitable for road construction due to the potential for frost heave, therefore it was decided not to carry out a full-scale development of this quarry. The Contractor carried out leveling of this section. MoTC KR sent a notification to SCIESU under GKR with a request to exclude this quarry from the previously issued temporary permit.

44. In order to replenish the required volume of construction material, after carrying out survey work and obtaining all the necessary permits from local authorities, the SCIESU under GKR, the border of the quarry was widened by km 135+280. Permission was obtained to develop a quarry located at km 112+870 with an area of 5.08 hectares. This quarry has not been utilized yet.

45. The results of visual inspection of the quarries' areas showed their satisfactory condition. Thus, the remaining 12 quarries will be utilized by a new Contractor. Three quarries are currently being developed: quarry No. 13 (at km 148+630), located in the Tugol-Sai village area, quarry No. 11 (at km 140+990) in the Kuyruchuk village area, and quarry No. 10 in the Jany-Aryk village area.



**Figure 8 Quarry development (km.140+990).**



**Figure 9 Quarry development.**

46. The main characteristics of the quarries are shown in Table 9.

**Table 9 Characteristics of Quarries.**

| No. | Quarry     | Up to Km by the road | About the road axis (m) | Object characteristics              |           | Location of quarries | Note                |
|-----|------------|----------------------|-------------------------|-------------------------------------|-----------|----------------------|---------------------|
|     |            |                      |                         | Production volume (m <sup>3</sup> ) | Area (ha) |                      |                     |
| 1   | Quarry №1  | 91+680               | RHS 222m                | 100 000                             | 11.2      | Cholpon v.           | being developed     |
| 2   | Quarry №2  | 92+630               | RHS 550m                | 200 000                             | 15.6      | Cholpon v.           | Not being developed |
| 3   | Quarry №3  | 94+080               | RHS 25m                 | 60 000                              | 1.04      | Cholpon v.           | Not being developed |
| 4   | Quarry №4  | 100+790              | RHS 85m                 | 150 000                             | 1.8       | Cholpon v.           | being developed     |
| 5   | Quarry №5  | 106+350              | LHS 78m                 | 80 000                              | 2.5       | Cholpon v.           | being developed     |
| 6   | Quarry №6  | 106+420              | RHS 250m                | 150 000                             | 3.3       | Cholpon v.           | Not being developed |
| 7   | Quarry №7  | 110+900              | RHS 94m                 | 100 000                             | 2.1       | Cholpon v.           | being developed     |
| 8   | Quarry №8  | 112+870              | RHS 27 m                | 56 000                              | 5.08      | Semiz-Bel v.         | Not being developed |
| 9   | Quarry №9  | 133+000              | RHS 320m                | 150 000                             | 0.93      | Jany-Aryk v.         | being developed     |
| 10  | Quarry №10 | 135+280              | LHS 25m                 | 200 000                             | 0.64      | Jany-Aryk v.         | being developed     |
| 11  | Quarry №11 | 140+990              | LHS 212m                | 97164.92                            | 6.5       | Kuyruchuk v.         | being developed     |
| 12  | Quarry №13 | 148+630              | RHS 1800m               | 800 534.9                           | 18360     | Tugol-Sai v.         | being developed     |

### 2.3.3 Storage Areas (Spoil Areas).

47. All spoil areas used by the previous Contractor after the termination of the Contract were handed over to the local authorities (Ayil Okmotu) under the Handover and Acceptance Certificate. With the resumption of road construction by the new Contractor, the same spoil areas will be used on the road section. Table 9 lists the characteristics of the areas approved for dumping.

**Table 10 Storage Areas.**

| №  | Object location |                        | Village area  | Remarks      |
|----|-----------------|------------------------|---------------|--------------|
|    | Km              | Distance from the road |               |              |
| 1  | 158+400         | 317 m RHS              | Bash-Kuugandy |              |
| 2  | 158+540         | 108 m RHS              | Bash-Kuugandy |              |
| 3  | 158+550         | 5 m LHS                | Bash-Kuugandy |              |
| 4  | 157+300         | 150 m LHS              | Bash-Kuugandy |              |
| 5  | 155+800         | 320 m RHS              | Bash-Kuugandy |              |
| 6  | 154+800         | 186 m LHS              | Tugol-Sai     |              |
| 7  | 152+760         | 940 m LHS              | Tugol-Sai     | Denied       |
| 8  | 152+760         | 87 m LHS               | Tugol-Sai     |              |
| 9  | 151+140         | 11 m RHS               | Tugol-Sai     |              |
| 10 | 150+960         | 66 m LHS               | Tugol-Sai     |              |
| 11 | 150+840         | 104 m RHS              | Tugol-Sai     |              |
| 12 | 149+000         | RHS                    | Tugol-Sai     | Private land |
| 13 | 147+540         | LHS                    | Kuyruchuk     |              |
| 14 | 143+610         | 421 m – 694 m RHS      | Kuyruchuk     |              |
| 15 | 140+990         | 122 m LHS              | Kuyruchuk     |              |
| 16 | 136+940         | 435 m RHS              | Dzhany-Aryk   |              |
| 17 | 132+860         | 315 m RHS              | Dzhany-Aryk   |              |
| 18 | 130+840         | 31 m RHS               | Dzhany-Aryk   |              |
| 19 | 121+620         | 49 m LHS               | Dzhany-Aryk   |              |
| 20 | 120+310         | 37 m LHS               | Dzhany-Aryk   |              |
| 21 | 117+520         | 78 m LHS               | Dzhany-Aryk   |              |
| 22 | 110+660         | 85 m RHS               | Cholpon       |              |
| 23 | 100+940         | 91 m LHS               | Cholpon       |              |
| 24 | 106+720         | 55 m LHS               | Cholpon       |              |

|    |         |          |           |  |
|----|---------|----------|-----------|--|
| 25 | 106+540 | 49 m RHS | Cholpon   |  |
| 26 | 93+980  | 66 m RHS | Cholpon   |  |
| 27 | 91+360  | 45 m RHS | Cholpon   |  |
| 28 | 98+190  | 21 m LHS | Cholpon   |  |
| 29 | 103+060 | 16 m RHS | Cholpon   |  |
| 30 | 112+600 | 45 m LHS | Semiz-Bel |  |
| 31 | 113+970 | 33 m LHS | Semiz-Bel |  |
| 32 | 115+850 | 60 m LHS | Semiz-Bel |  |

48. During the project period, spoil areas are used in Kuyruchuk village at km 148+000 (RHS), in Bash-Kuugandy village at km 157 + 300 (LHS), in Semiz-Bel village at km 112 + 600 (LHS), in Jany-Aryk village at km 136+940 (RHS).

#### **2.3.4 Production Site Territory.**

49. The production site of the Contractor China Railway No.5 is defined on the territory of the Kuyruchuk ayil okmotu not far from Tugol-Sai village at km 148+630.

50. Permits for the use of this territory were received from Kuyruchuk Aiyl Okmotu and are presented in Annex 1 hereof (for the camp - Order No. 52, Resolution No. 3, Act dated 20.12.21, a letter No. 02-4/155, conclusion No. 53, and a camp schematic layout. For asphalt plant and crushing and screening plant - attached Order No. 14, a letter No. 01-1/434, conclusion No. 6, and a schematic layout).

51. The following buildings and structures are located on the production site: Asphalt plant, crushing and screening plant (Crusher), storage area for bulk materials - crushed stone and sand, concrete unit, hangar for storage of fuels and lubricants, transformer substation, checkpoint, a platform for garbage containers, outdoor toilets, a sump, a dormitory for the workers of the asphalt plant, and the crushing and screening plant.

52. The production site shall be fenced off in accordance with the Plan. In accordance with SSEMP requirements, these objects are located at a distance of at least 500 m from nearby houses, as well as at least 50 m from water sources (to avoid potential contamination).



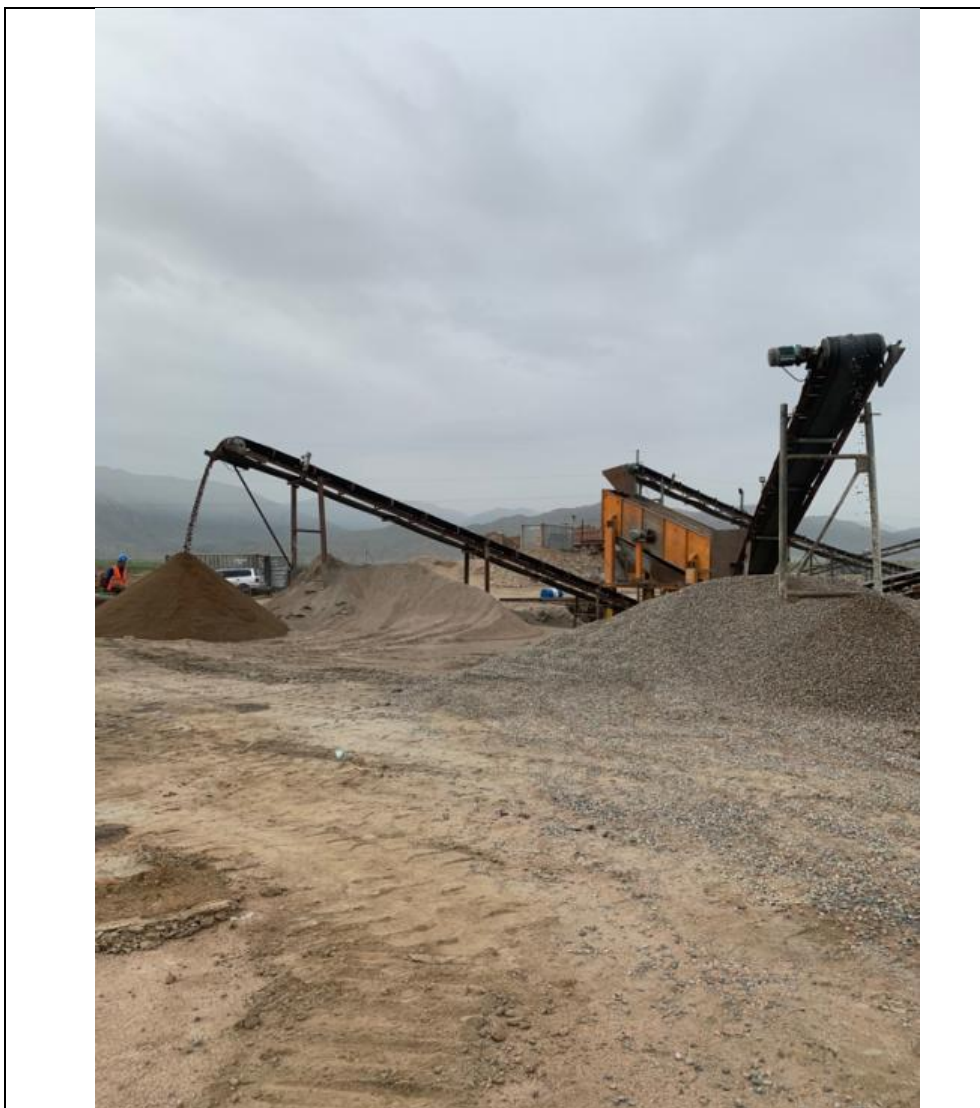
**Figure 10 Asphalt plant at the production site.**



**Figure 11 Land clearing.**

53. During the reporting period, the territory was cleared and leveled for the construction and installation of structures in accordance with the approved plan; The asphalt plant is being installed, trial runs and verification work are currently being carried out to produce the material; Crusher has been installed and is operating (km 148+63). Several residential and utility

containers of the new contractor are temporarily located on the territory of the previous production base. The area is being cleared.



**Figure 12 Crusher at the production site.**

### **2.3.5 Camp.**

54. The new Contractor's camp is located in the municipal territory of the Kuyruchuk Ayil Okmotu, not far from the production base of the previous Contractor. The new Contractor has received permits from the Kuyruchuk Ayil Okmotu in order to use this territory.

55. The territory of the new Contractor's camp has been built up completely. It is located in the area of 2 hectares. The camp area includes: offices, a kitchen, canteen, Consultants' residential rooms, laboratory, a dormitory for the Contractor's workers, a Contractor's office, an equipment maintenance workshop, parking lot for cars and trucks a line maintenance hangar, security room, transformer, temporary garbage bins, decantation tank, and toilet and shower.

56. Currently, the total number of employees living in the camp is 85 persons; 36 of them are local residents, 39 are foreign citizens.

57. Potable water used in the camp is supplied in 18-L bottles from Balykchy city by the company "Shoro".

58. Sewage is collected in the fixed septic tanks. As soon as filled, they will be taken out to Balykchy city for further treatment and disposal; Solid waste is disposed to the landfill of Tugol-Sai village on the basis of the agreement.

#### **2.4 Description of Any Changes to Project Design.**

59. No changes have been made to the project design within the reporting period.

#### **2.5 Description of Any Changes to Agreed Construction Methods.**

60. No changes have been made to agreed construction methods within the reporting period.

### 3 ENVIRONMENTAL SAFEGUARD ACTIVITIES.

#### 3.1 General Description of Environmental Safeguard Activities.

61. During the reporting period, monthly monitoring of the project site was carried out by local environmental and HSE specialists of the Consultant, as well as monitoring and inspection of the contractor's activities by the Consultant's international environmental consultant. Visual monitoring of the condition of the project road, quarry sites, spoil areas, sampling points for measurements, as well as the area of the production base and the contractor's camp was carried out.

62. There was increased dust formation in some parts of the road with heavy traffic (especially heavy-duty vehicles). With an increase in temperature and dry air, visibility is critically impaired, an increase in dust leads to road safety problems on the roads, and also negatively affects the environment and public health. Currently, the following measures are undertaken at the sites to mitigate a negative impact from dust formation:

- All water trucks have been equipped with pumps. This measure supports rapid intake of water from the rivers and speeding up the turnover of watering process;
- In order to minimize dust generation at the project sites, the contractor was instructed to adjust the dust suppression schedule considering the air temperature;
- Dust suppression is to be carried out at intervals of every 2 hours or often;
- Speed must not exceed 30 km per hour on the roads with active construction.

63. The approved Project of HCHS protection zones for section 2B Epkin - Dyikan (Bashkugandy) is included in the tender documents. Archaeological excavations at cultural and historical heritage sites were carried out by the national scientists, status of undertaken work for the reporting period is presented in the tables 11 to 13 below.

64. In total, 35 objects of historical and cultural heritage (OHCH) have been researched on the plot 2B "Epkin-Diykan (Baskugandy) by July, 2022. 25 of them were included in the OHCH Preservation Project. The additional 10 OHCHs were found under the projected highway Altin-Arik 1, within 50 meters zone from the side of the highway (KirkKiz 1, Altin-Arik 1, Kuyruchuk 1, 3), and on large mounds which were subject to research as per Project Altin-Arik 5.

65. Currently 54 OHCHs are being researched on the Jungal portion of the highway Epkin – Bash Kuugandi, of which 35 were included in the conservation zone project. The additional 19 OHCHs were found: a) at the Altyn-Aryk I burial ground (136+000 - 136+900 km), where due to the change of the axis of the road, 6 additional OHCHs fall within the road construction zone; b) at the burial ground Altyn-Aryk V (139+500 – 139+850 km), where 10 late Muslim burials were revealed on two large mounds subject to excavation in accordance with the conservation project; c) at the Kuyruchuk 1 burial ground (140+100 – 141+050 km), where 2 additional mounds were revealed next to the 6 mounds marked in the Conservation Project located within 50-meter zone from the edge of the road; and d) at the burial ground Kuyruchuk III (145+400 – 145+600 km) one mound was found within 18 meters to the south of the road (it was partially destroyed by road builders).

66. Additional 20 OHCHs were identified in the Kochkor section of the road Epkin – Baskugandi (97 + 300 Kizart Pass), whereas only 9 mounds were planned to be excavated.

**Table 11 Objects of Historical and Cultural Heritage, excavated on the Plot 2B of the Highway Epkin– Baskugandy km 89 +500 – 159 + 200.**

| #  | Name of the Monument / Km/ District                         | # of the OHCHs subject to research in accordance with the Project | Actual # of the OHCHs being currently excavated/ already excavated | Notes  |
|----|---|---|--|--|
| 1  | Zamburak 1 / 97 + 300 – 97+500 km / Kochkor District        | 1   | 2 / 0  | Excavations haven't started  |
| 2  | Kirk-kiz 1 105+500 – 105+760 km/ Kochkor District           | 1   | 8 / 1  | 1 mound completely researched. On 3 additionally identified mounds the works have started but not completed.   |
| 3  | Kirk-kiz 1 / 105+500 – 105+760 km / Kochkor District        | 4   | 11 / 0   | The excavations on this OHCH haven't started.  |
| 4  | Kirk-kiz 3 / 106+000 – 106+130 km/ Kochkor District         | 3   | 5 / 0  | The excavations on this OHCH haven't started.  |
| 5  | Kizart / Kizart Pass  | -   | 1 / 0  | This object isn't included in the Project of the OHCHs conservation. It was identified and researched by Archeologist A.N. Bernshtam. 1 mound is located within 50 meters to the edge of the road.   |
| 6  | Altin – Arik 1 / 136+000 – 136+500 km / Jumgal District     | 14  | 20 / 4   | Due to the change in the road layout on this plot additional 6 objects fall within the road construction zone. The excavations are ongoing.  |
| 7  | Altin – Arik 5 / 139 + 500 – 139 + 850 km / Jumgal District | 2   | 12 / 10  | On two large mounds there were 10 Muslim inlet burials since ethnographic time, which were already excavated. Excavation activities are ongoing.   |
| 8  | Kuyruchuk 1 / 140 + 100 – 141 + 050 km / Jumgal District    | 6   | 8 / 8  | Mounds subject to research on this burial ground are completely researched.  |
| 9  | Kuyruchuk 2 / 140+100 – 141+050 km / Jumgal district        | 13  | 13 / 12  | Mounds subject to research on this burial ground are completely researched.  |
| 10 | Kuyruchuk 3 / 145+400 – 145+600 / Jumgal District           | -   | 1 / 0  | The large mound has been partially destroyed by road builders during the construction of a roundabout road. Excavations are ongoing.   |
|    | <b>Total:</b>   | <b>44</b>   | <b>81 / 35</b>   | Out of the <b>44</b> burial mounds which are subject to research according to the Project of the conservation zone of the OHCHs, <b>25</b> have been completely researched. Additionally, <b>10</b> objects located near or under the projected road have been researched. |

**Table 12 Objects of Historical and Cultural Heritage (OHCH), excavated in the Zhungal section of the Epkin – Baskugandy highway.**

| # | Name of the Object / Km             | # of OHCHs according to the Preservation Project | Actual # of OHCHs | Notes   |
|---|-------------------------------------|--|-------------------|---|
| 1 | Altin-Arik 1 / 136+000 – 136+900 km | 14   | 20                | At the Altyn Aryk 1 all 20 OHCHs have been excavated.   |
| 2 | Altin-Arik 5 / 139+500 – 139+500 km | 2  | 12                | At the Altyn Aryk 5 all 12 OHCHs have been excavated.   |
| 3 | Kuyruchuk 1 / 140+100 – 141+050 km  | 6  | 8                 | At the Kuyruchuk 1 burial mound all 8 OHCHs have been excavated.  |
| 4 | Kuyruchuk 2 / 140+100 – 141+050 km  | 13   | 13                | At the Kuyruchuk 2 burial mound all 13 OHCHs have been excavated.   |
| 5 | Kuyruchuk 3 / 145+400 – 145+600 km  | -  | 1                 | At the Kuyruchuk 3 burial mound one OHCHs has been excavated.   |
|   | <b>Total:</b>                       | <b>35</b>  | <b>54</b>         | In the Conservation Zones Project there are <b>35</b> listed OHCHs to research. However, the total number of OHCH objects excavated in the Jumgal area is <b>54</b> . |

**Table 13 Objects of Historical and Cultural Heritage (OHCH), excavated in the Kochkor section of the Epkin – Baskugandy Highway.**

| # | Name of the Object/ Km            | # of OHCHs according to the Preservation Project | Actual # of OHCHs | Notes   |
|---|-----------------------------------|--|-------------------|---|
| 1 | Uzun Bulak 1 / 97+300 – 97+500 km | 1  | 2                 | The excavations on this burial mound haven't started yet  |
| 2 | Kirk Kiz 1/ 105+500 km            | 1  | 8                 | The excavations on this burial mound haven't started yet  |
| 3 | Kirk Kiz 2 / 106+000 km           | 4  | 7                 | The excavations are ongoing   |
| 4 | Kirk Kiz 3 / 106+130 km           | 3  | 5                 | The excavations are ongoing   |
| 5 | Kizart / Pass                     | -  | 1                 | The excavations on this burial mound haven't started yet  |
|   | <b>Total:</b>                     | <b>9</b>   | <b>23</b>         | In the Conservation Zones Project there are <b>9</b> OHCHs which are subject to research. However, total <b>23</b> OHCHs have been excavated in the Kochkor area. |



Mound 12 of the burial ground Altyn-Aryk 1 / 136+000 - 136+900 km. View before excavation



Mound 12 of the burial ground Altyn-Aryk 1 / 136+000 - 136+900 km. View after control excavations.



Mound 1 of the burial ground Altyn-Aryk 5 / 139+500 - 139+850 km. View before excavation



Mound 1 of the burial ground Altyn-Aryk 5 / 139+500 - 139+850 km. View after the excavation.

**Figure 13 Archaeological excavation in the project area (before and after the excavations)**



**Figure 14 Archaeological excavation activities in the project area**



**Figure 15 Road Works**

67. During the reporting period, no tree-felling work was carried out. The trees will still have to be felled at the sections located in the areas of widening, alignment of the road, and in the areas of new culvert construction. The planting of new seedlings in a ratio of 1:2 is envisaged as compensation measure. The choice of tree species for planting instead of felled ones has been

determined: preferably 5 species characteristic of the given habitat - birch, pyramidal poplar, populus, blue spruce, and elm.

68. With the construction work commencement, China Railway No.5 will carry out tree marking with the participation of the Consultant and local authorities. The need for maximum efforts to be able to preserve the existing green spaces was communicated to the environmental specialist of the contracting company.

69. Green space nurseries will be determined in July, a tree planting plan prepared in July-August, the tree planting process is planned for autumn 2022.

### 3.2 Site Audits.

70. The on-site inspections/audits carried out by the Consultant at the project site during the reporting period are shown in Table 14.

**Table 14 Inspections/Audits of the project area.**

| No | Date of Visit         | Auditor name               | Purpose of Inspection/Audit   | Summary of any Significant Finding   |
|----|-----------------------|----------------------------|---|--|
| 1  | 18.02.2022-19.02.2022 | Zhumaliev T.<br>Nurdinov N | Visual inspection monitoring of the construction sites. Visit conducted jointly with the Contractor's environmental specialist. | Provide permits from the relevant authorities to the production base and camps and agreement for removal of garbage to the authorized landfill;<br><br>Organize fire safety.<br><br>A warning notes were made to the contractor.   |
| 2  | 27.03.2022            | Zhumaliev T.<br>Nurdinov N | Visual monitoring of the construction sites. Visit conducted jointly with the Contractor's environmental specialist.            | An increased dust formation is evident on the project road. Increase the number of water trucks.   |
| 3  | 27-28. 04.2022        | Zhumaliev T.<br>Nurdinov N | Visual monitoring of the construction sites. Visit conducted jointly with the Contractor's environmental specialist.            | Keep the camp clean and tidy; do not burn household waste in a pit outside the camp.<br><br>Manage separate containers for domestic waste, construction and other waste;<br><br>Keep cover closed on the septic tank in the camp;<br><br>Provide safety and environmental related information posters in the camp; |

|   |             |                              |  |   |
|---|-------------|------------------------------|--|---|
|   |             |                              |  | Instrumental analyses to be carried at project specified points<br><br>A written warning notes was issued to the contractor (attached in Annex 3)   |
| 4 | 24-25.05.22 | Garajayeva N.<br>Zhumaliev T | Audit/inspection of the environmental conditions and safety at the project sites | The dust suppression plan needs to be revised taking into consideration upcoming summer, and to increase number of water trucks involved in process of road watering;<br><br>Waste collection area to be constructed in designated area and bins provided<br><br>Increase safety awareness of employees by conducting trainings and sessions<br><br>Provide PPEs, provide and regularly check fire extinguishers, first aid kits and other safety related equipment<br><br>A written warning to the contractor was issued with the list of non-conformances for actions |

71. During the reporting period, the international and local environmental consultants jointly with Contractor's environmental specialist conducted audit of the project sites. The areas visited and observed included the camp, asphalt plant and crushing plant construction sites, workshops and warehouse premises, offices, dormitories, canteen; project sites: road, quarries, dumps. Process observed included asphalt plant mobilization, machinery repairing activities, welding, lifting, laboratory operations. Findings observed during the audit were communicated to the contractor for corrective actions.

72. Tables 15 summarizes the findings observed during the formal audit conducted by Consultant and Contractor's environmental specialists and status for June 2022. Status of non-compliances and corrective actions is also shown in figure 16.

### **ADB Review Mission.**

73. On June 23, 2022, ADB and MoTC representatives undertook a review mission to monitor the environment safeguard performance at the project site. The road sections, archaeological research sites, the territory of the production site and camps of the contracting company were visited during the mission. Non-compliances identified during the mission were communicated for subsequent corrective actions.

74. Table 16 summarizes findings observed during the review missions. Status of non-compliances and corrective actions is shown in figure 17.



**Figure 16 ADB review mission at the project site, June 23, 2022.**

### 3.3 Issues Tracking (Based on Non-Compliance Notices).

75.24 findings were observed, out of them 18 were closed, 6 remained open; summary overview is shown in the table below (table 14).

**Table 15 Overview on findings observed during January-June, 2022**

|   | Non-compliance identified | SSEMP Number and date of notification  | Best Practice Guidelines Applicable (No.) | Particular issue and location  | Contractor's actions (specify)   | Results of Inspection              | Status for June 2022 |
|---|---------------------------|--|---|--|--|------------------------------------|----------------------|
| 1 | Dust formation            | Annex (j) – Dust suppression Plan<br><br>Gentek Ref.: CR5/090, dated June 03, 2022 |   | <p>There is increased dust formation on the road with the summer season approach. It is necessary to revise the Dust Suppression Plan taking into account the increase in watering road intensity and the increase in the number of water trucks.</p> <p>During a public hearing held on May 14, 2022 with the participation of a local Environment Consultant, a Safety Consultant with representatives of local communities, the local residents requested to start dust control from 7 AM. (currently it starts at 9 AM).</p> | <p>To prepare a new Dust Suppression Plan for the summer, indicating where the water trucks will operate, the number of water trucks, the frequency of dust suppression, who will supervise the process, etc.</p> <p>Increase number of water tracks</p> | Ref.#CR5-ED-109,<br><br>27.06.2022 | Resolved             |



|    |                                       |   |  |   |   |                                |          |
|----|---------------------------------------|---|--|---|---|--------------------------------|----------|
|    |                                       | Gentek Ref.:<br>CR5/090, dated<br>June 03, 2022             |  |   |   |                                |          |
| 6  | Sanitary and Hygienic Inconsistencies | Gentek Ref.:<br>CR5/090, dated<br>June 03, 2022             |  | The shelves with food contain also industrial products in the warehouse.<br><br>Some foodstuffs are not closed. Sorting by food storage is not observed.                                    | To bring it in compliance with the sanitary and Hygienic rules  | Ref.#CR5-ED-109,<br>27.06.2022 | Resolved |
| 7  | Sanitary and Hygienic Inconsistencies | Gentek Ref.:<br>CR5/090, dated<br>June 03, 2022             |  | Refrigerator- Improper storage of food is in the refrigerator. Meat is in direct contact with non-food plastic, there is uncoated food. Food labeling is not applied at all.                | To bring it in compliance with the sanitary and Hygienic rules  | Ref.#CR5-ED-109,<br>27.06.2022 | Resolved |
| 8  | Sanitary and Hygienic Inconsistencies | Gentek Ref.:<br>CR5/090, dated<br>June 03, 2022             |  | The same knives and chopping boards are used for meat, chicken and vegetables.  | To bring it in compliance with the sanitary and Hygienic rules  | Ref.#CR5-ED-109,<br>27.06.2022 | Resolved |
| 9  | Sanitary and Hygienic Inconsistencies | Gentek Ref.:<br>CR5/090, dated<br>June 03, 2022             |  | Refrigerator- Improper storage of food is in the refrigerator in the kitchen. Meat is in direct contact with non-food plastic, there is uncoated food. Food labeling is not applied at all. | Contractor shall operate in accordance with sanitary and hygienic standards<br>Use proper food containers, labelling, keep food and non-food products in separate places/shelves. | Ref.#CR5-ED-109,<br>27.06.2022 | Resolved |
| 10 | Oil spills on ground                  | Annex (xii) –<br>Camp and<br>Workshop<br>Management<br>Plan |  | Construction equipment and heavy vehicles are being repaired directly on the ground on the territory of the camp (there is no concrete coating), thereby                                    | In case of accidental spill on ground it must be immediately removed. To investigate these inconsistencies and bring  |                                |          |

|    |                                   |   |  |   |   |                                    |          |
|----|-----------------------------------|---|--|---|---|------------------------------------|----------|
|    |                                   | Gentek Ref.:<br>CR5/090, dated<br>June 03, 2022   |  | increasing the negative impact on the ground.Oil spills on the ground were observed in some places. There is no evidence that any control was carried out, there are no records of the spill incident. Cleaning of the soil surface, in accordance with the obligations, has not been carried out.                            | them into line with the obligations.  |                                    |          |
| 11 | Improper storage and safety issue | Annex (xiii) -<br>Material<br>Processing<br>Plants/<br>Equipment and<br>Storage Facilities<br>Plan<br><br>Gentek Ref.:<br>CR5/090, dated<br>June 03, 2022 |  | In the storage containers: the tools are stored together with lubricants; there are evidences of disposable water glasses and cigarette butts are on the floor.   | To attach labels to containers according to their purpose;<br><br>To attach safety signs in places where it is forbidden to smoke, eat, and drink | Ref.#CR5-<br>ED-109,<br>27.06.2022 | Resolved |
| 12 | Improper storage and safety issue | Annex (xiii) -<br>Material<br>Processing<br>Plants/<br>Equipment and<br>Storage Facilities<br>Plan<br><br>Gentek Ref.:<br>CR5/090, dated<br>June 03, 2022 |  | In the storage containers: Fuel and lubricant tanks are kept in a container without a pallet, spill under the tank creates a potential risk of falling and damage. Tanks with waste fuel and lubricants are kept in the same place. No markings or any information. There are cigarette butts on the floor of the containers. | Hazardous waste shall be stored in a designated waste area. Keep area safe and tidy.  | Ref.#CR5-<br>ED-109,<br>27.06.2022 | Resolved |

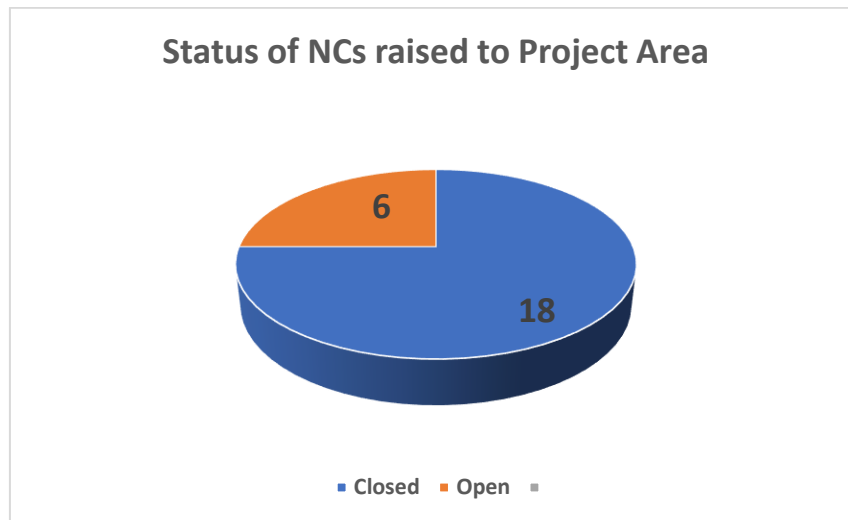
|    |                           |  |  |   |   |                             |          |
|----|---------------------------|--|--|---|---|-----------------------------|----------|
| 13 | Safety and tidiness issue | Annex (xii) – Camp and Workshop Management Plan<br><br>Gentek Ref.: CR5/090, dated June 03, 2022 |  | Cigarette butts are scattered all over the territory of the production site on the ground   | To allocate designated smoking areas, to communicate to the staff about the need to smoke only in designated areas and throw cigarette butts into the trash bins. | Ref.#CR5-ED-109, 27.06.2022 | Resolved |
| 14 | Safety issues             | Annex (xii) – Camp and Workshop Management Plan<br><br>Gentek Ref.: CR5/090, dated June 03, 2022 |  | Items of potential injury hazard were found: cases of open, sharp metal end up - cut/injury threat (metal structure in the production site and a broken chair with uncovered metal end in the office) | To bring it in compliance with safety regulations   | Ref.#CR5-ED-109, 27.06.2022 | Resolved |
| 15 | Safety issues             | Annex (xii) – Camp and Workshop Management Plan<br><br>Gentek Ref.: CR5/090, dated June 03, 2022 |  | A gas cylinder is next to an open flame in the kitchen. There is also storage of empty, used gas cylinders in the kitchen.  | To take the cylinders out into the open air to a specially designated place in accordance with safety regulations   |                             |          |
| 16 | Safety issues             | Annex (xii) – Camp and Workshop Management Plan  |  | Uncovered electrical shield in the production site, access to the shield is not fenced.   | To bring it in compliance with safety regulations   | Ref.#CR5-ED-109, 27.06.2022 | Resolved |

|    |                    |  |  |  |   |                                    |   |
|----|--------------------|--|--|--|---|------------------------------------|---|
|    |                    | Gentek Ref.:<br>CR5/090, dated<br>June 03, 2022  |  |  |   |                                    |   |
| 17 | Fire safety        | Annex (xii) –<br>Camp and<br>Workshop<br>Management<br>Plan<br><br>Annex (xiii) –<br>Material<br>Processing<br>Plants/<br>Equipment and<br>Storage Facilities<br>Plan<br><br>Gentek Ref.:<br>CR5/090, dated<br>June 03, 2022 |  | There is no sand in the sand box. Several non-functioning fire extinguishers were observed on the territory, some of them are expired, there is no evidence of any checking; inspection tags are not practicing. | To bring it in compliance with fire safety regulations          | Ref.#CR5-<br>ED-109,<br>27.06.2022 | Resolved  |
| 18 | First aid kits     | Annex (xii) –<br>Camp and<br>Workshop<br>Management<br>Plan<br><br>Gentek Ref.:<br>CR5/090, dated<br>June 03, 2022   |  | There are no first aid kits on the territory. There are no trained personnel to provide first aid, as well as to respond in case of fire safety (working with fire extinguishers).                               | Supply first aid kits   | Ref.#CR5-<br>ED-109,<br>27.06.2022 | Resolved  |
| 19 | Training/Awareness | Annex (xii) –<br>Camp and<br>Workshop<br>Management<br>Plan  |  | First aid and fire safety trainings were not held.   | Organize first aid and fire extinguisher trainings for personal |                                    | These issues will be monitored in future audits |

|    |  |   |  |  |  |                                |   |
|----|--|---|--|--|--|--------------------------------|---|
|    |  | Gentek Ref.:<br>CR5/090, dated<br>June 03, 2022   |  |  |  |                                |   |
| 20 | Emergency Response and Evacuation Plan | Annex –<br>Emergency Management Plan<br><br>Gentek Ref.:<br>CR5/090, dated<br>June 03, 2022               |  | No Evacuation Plan with routes seen in the camp. There are no enough emergency & safety signs in the area.<br><br>No Emergency Response team                       | Evacuation Plan, Escape routes, Muster point must be available in the area.<br><br>Create Emergency response team (emergency responders, fire wardens, first aiders) |                                | These issues will be monitored in future audits |
| 21 | PPE                                    | Annex (xii) –<br>Camp and Workshop Management Plan<br><br>Gentek Ref.:<br>CR5/090, dated<br>June 03, 2022 |  | Welding work is carried out without proper personal protection - the welder does not have special clothing - an apron, gloves, shoes for the welder.               | To bring it in compliance with safety regulations  | Ref.#CR5-ED-109,<br>27.06.2022 | Resolved  |
| 22 | PPE                                    | Annex (xii) –<br>Camp and Workshop Management Plan  |  | Number of workers are not equipped (or not fully equipped) with the minimum necessary personal protective equipment (uniform, helmet, gloves, shoes, and goggles). | To provide a proper PPE to the employees working at sites  | Ref.#CR5-ED-109,<br>27.06.2022 | Resolved  |

|    |                                |  |  |  |  |                                    |  |
|----|--------------------------------|--|--|--|--|------------------------------------|--|
|    |                                | Gentek Ref.:<br>CR5/090, dated<br>June 03, 2022  |  |  |  |                                    |  |
| 23 | Electrical safety<br>issue     | Annex (xii) –<br>Camp and<br>Workshop<br>Management<br>Plan<br><br>Gentek Ref.:<br>CR5/090, dated<br>June 03, 2022 |  | Unacceptable insulation of<br>electrical wires is in the place of<br>workers' residence.   | To bring it in compliance<br>with electrical safety<br>regulations   | Ref.#CR5-<br>ED-109,<br>27.06.2022 | Resolved   |
| 24 | Improper lifting<br>operations | Annex (xii) –<br>Camp and<br>Workshop<br>Management<br>Plan<br><br>Gentek Ref.:<br>CR5/090, dated<br>June 03, 2022 |  | Lifting operations using a crane<br>were carried out without observing<br>safety precautions - the workers<br>do not have helmets, shoes, the<br>work area for carrying out lifting<br>operations without barrier. | To prepare and refer to<br>lifting plan and a risk<br>assessment for lifting<br>operations (there should<br>be plan for lifting<br>operations; risk<br>assessment document for<br>lifting operations; work<br>permit |                                    | These issues<br>will be<br>monitored in<br>future audits |

|                         | Non-compliances (number) |
|-------------------------|--------------------------|
| Project Road            | 1                        |
| Camp                    | 19                       |
| Compliance Work Quality | 4                        |



**Figure 17 Status of Non-compliances and Corrective Actions.**

76. Along with findings there were positive observations such as a) a new camp has been built that included offices, laboratory, dormitories etc. in accordance with the approved plan; b) the permitting document from local authorities for camp was in place; c) tanks for fuel and lubricants/bitumen were installed on a concrete basis (thereby mitigating the negative impact on the ground); d) machinery mechanical repair workshop was built with pit, that is a preventive measure to mitigate potential negative impact from oil spill on soil.

77. 34 of non-compliances were identified during the mission of ADB and PIU representatives to the project site (table 16).

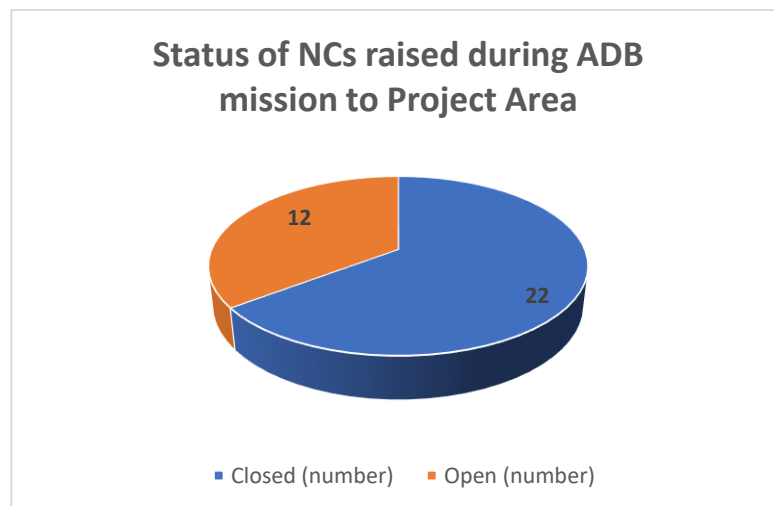
**Table 16 Non-conformances identified during a review mission by ADB and PIU representatives, June 2022.**

| Description of non-compliances |  | Status for June 2022 |
|--------------------------------|--|----------------------|
|                                | <b>On the project road:</b>  |                      |
| 1                              | • Increased dust formation is formed, in this regard, it is necessary to increase the number of water trucks urgently and provide a detailed Dust Suppression Plan   | Resolved             |
| 2                              | •To increase the number of road warning signs, especially about speed limits on the road   |                      |
| 3                              | • To equip and increase the number of traffic controllers on construction sections   | Resolved             |
|                                | <b>Camp territory:</b>   |                      |
|                                | <b>1) At residential area for local workers it is required:</b>  |                      |
|                                | <b>A) In the Kitchen:</b>  |                      |
| 4                              | • To provide ventilation or exhaust  |                      |
| 5                              | • To organize food storage shelves   | Resolved             |
| 6                              | • To paint the walls   | Resolved             |
| 7                              | • To place linoleum  | Resolved             |
| 8                              | • To install windows   | Resolved             |
| 9                              | • To install magnetic mosquito nets on windows and doors   | Resolved             |
| 10                             | • To install sinks with running water and soap dishes  | Resolved             |
| 11                             | • To improve lighting  | Resolved             |
| 12                             | • To organize a fire extinguishing panel (fire extinguishers, hook, shovel, bucket, and sand barrel)   | Resolved             |
| 13                             | •To organize additional containers for food waste.   | Resolved             |
|                                | <b>B) In the Canteen:</b>  |                      |
| 14                             | • To provide chairs  | Resolved             |
| 15                             | • To improve lighting  | Resolved             |
| 16                             | • To paint the walls   | Resolved             |
| 17                             | • To install magnetic mosquito nets on windows and doors.  | Resolved             |
|                                | <b>B) In the Dormitory:</b>  |                      |
| 18                             | • To change doors  |                      |
| 19                             | • To install windows in residential containers, which are without windows  | Resolved             |
| 20                             | • To improve lighting  | Resolved             |
| 21                             | • To organize additional containers for household waste.   | Resolved             |
| 22                             | To organize a rest room (2 toilets), showers and a laundry room for 30 people, to repair the roof on residential containers that have roof leaking, to install a spotlight in the yard, to concrete the entrance of the kitchen and dining room, to level the yard area, protect the area where local workers live, organize a separate parking lot for cars, install a barrier and organize a guard post nearby, so that the resident area of local workers and the parking lot for cars would be inside the common area. | Ongoing              |
|                                | <b>2) At the camp area:</b>  |                      |
| 23                             | • To clean up and keep public restrooms clean  | Resolved             |
| 24                             | • To prepare and hang information boards   |                      |

|    |  |          |
|----|--|----------|
| 25 | • To install magnetic mosquito nets on the windows and doors of the kitchen                      | Resolved |
| 26 | • To provide sinks with running water and soap dishes in kitchens                                | Resolved |
| 27 | • To install a separate sink for washing dishes and an extractor fan in the Consultant's kitchen |          |
| 28 | • To fence the front of the trash yard   |          |
|    | <b>3) At the production site territory (Asphalt plant, Crusher)</b>                              |          |
| 29 | • To provide PPE (helmets, boots, goggles, welding shield, gloves, earmuffs and goggles)         | Resolved |
| 30 | • To provide a room for changing clothes (cloakroom) for working staff                           |          |
| 31 | • To organize a canteen  |          |
| 32 | • To provide shower cubicles   |          |
| 33 | • Additionally, to install a toilet at the Crusher site and a ready-mix station                  |          |
| 34 | • To provide first aid kits  |          |

78. Non-compliances per area they were observed are shown in the table below and in figure 18.

|   | Non-compliances (number) |
|---|--------------------------|
| <b>Project Road</b>                             | 1                        |
| <b>Camp</b>                                     | 19                       |
| <b>Production Site (Asphalt plant, Crusher)</b> | 4                        |



**Figure 18 Status of Non-compliances and Corrective Actions,**

## Overview and Description of the Problems Observed during the Current Period.

79. During the reporting period, the focus was on the following issues:

- Legislative issues:
  - Permissions for the production base and camp;
  - Agreement with the local authorities for removal of garbage to the authorized landfill
- Insufficient fire safety, first aid and other requirements (not enough PPEs provided, missing of partial provision of critical safety equipment: fire extinguishers, sand container, bucket, shovel, first aid kits etc.);
- Lack of environmental safeguard and mandatory HSE trainings to personnel
- Violations of environmental standards on the territory of the production site and camp (such as inappropriate waste collection and utilization processes, soil contamination in the Camp/production site area)
- Dust suppression on the site;
- Quarry development;
- Disposal of old asphalt – correct storage of excavated old asphalt from the project site;
- Dump storage - monitoring of the areas allocated for the dump;
- Monitoring of environmental components - participation in instrumental environmental monitoring carried out by the Contractor with the involvement of accredited laboratories.

### Summary of Observed Issues

80. During the reporting period, in case environmental issues identified, the Contractor was warned and official communication made by the Engineer. Recommendations on mitigation measures were proposed to eliminate or reduce risks.

**Table 17 Summary of Issues Tracking Activity for Current Period**

|                                     |     |
|-------------------------------------|-----|
| Total Number of Issues for Project  | 9   |
| Number of Open Issues               | 1   |
| Number of Closed Issues             | 5   |
| Percentage Closed                   | 56% |
| Issues Opened This Reporting Period | 5   |
| Issues Closed This Reporting Period | 5   |

### 3.4 Trends.

81. Limited activity at the project area in the past due to organizational changes related to replacing of the contractor are not allowing to make a comparison of environmental performance with previous periods. The trends showed below in the table are related to the current reporting period. Most of non-compliances found during site inspections have been corrected by the contractor and evidence in the form of photographs and documents are provided to the consultant. The dynamics of correction the non-compliances that require a longer time will be observed during the subsequent time. Details on findings and corrective actions are presented in Section 3.3.

| Quarterly Report No      | Total No of Issues | % issues closed | % issues closed late |
|--------------------------|--------------------|-----------------|----------------------|
| 1                        | 7                  | 100             | 0                    |
| 2                        | 24                 | 75              | -                    |
| ADB & PIU review mission | 34                 | 65              | -                    |

82. There was re-occurrence in some actions identified as non-compliances observed as compared with the previous audits conducted during the reporting period. The actions were related to waste collection and disposal, particularly a) there was no assigned place for waste containers b) lack of waste containers c) lack of PPEs d) lack of first aid kits e) septic tank is not properly managed f) absence of the information and safety signs in the camp. These compliance actions will be monitored throughout the further inspections/audits.

### 3.5 Unanticipated Environmental Impacts or Risks.

83. During the reporting period, due to limited road activities the most findings identified were related to environmental safeguard, health and safety performance in the newly constructed camp area. Risks have been identified and covered in the SSEMP document.

## **4 RESULTS OF ENVIRONMENTAL MONITORING.**

### **4.4 Overview of Monitoring Conducted during Current Period.**

84. SSEMP requirements in relation to environmental monitoring (noise, vibration, surface water quality, and air quality monitoring) are to conduct a second round of baseline monitoring measurements prior to construction. Then monthly during the construction phase (SSEMP, 6.5 Environmental Monitoring Plan). Only single round of environmental monitoring carried out during reporting period in 2022 was on May 2022.

85. Contractor advised that the Department of Environmental Control (DEC) refused to monitor water and air in view of the repair work of the Department building. The Contractor entered into an agreement with the ProfiLab LLC commercial laboratory to monitor the impact of noise and vibration, as well as with the laboratory of chemical-analytical research under the Ministry of Health of the Kyrgyz Republic to monitor air quality and surface water.

86. Outcomes of instrumental monitoring measurements implemented during the reporting period (May 2022) are presented in Annex 2.

#### **4.1.1 Noise and Vibration Impact Monitoring.**

87. The noise and vibration instrumental tests were implemented by the specialists of the ProfiLab LLC laboratory on May 27, 2022. Noise and vibration levels were measured at 4 study points along the planned project road along settlements:

Point 1. Tugol-Sai v., west side of the Kutman store

Point 2. Tugol-Sai v., the north-eastern side of the Asphalt plant and Crusher

Point 3. Kuyruchuk v., near the Azamat store

Point 4. Jumgal v., near the school

88. Noise and vibration measurements were carried out with the Ecophysics 110A digital vibrometer calibrated in accordance with the standard. Three measurements were taken at each point with an interval of approximately 2 hours between measurements.

89. Noise measurements were carried out in accordance with GOST 23337-2014 "Noise. Methods for measuring noise in the residential area and in the premises of residential and public buildings." GOST 20444-2014 "Traffic flows. Methods for determining the noise characteristic."

90. Vibration measurements were carried out in accordance with GOST 31319 "Vibration. Measurement and evaluation of human exposure to whole-body vibration."

91. The outcomes of instrumental noise measurements showed that at the time of the measurements, the noise level at points near the road ranged from 53 dB to 69 dB.

92. The outcomes of instrumental measurements of vibration from traffic flow on roads showed levels between 88 dB to 98 dB. The detailed results of noise and vibration impact monitoring are given in Annex 2.

#### **4.1.2 Surface Water Quality Monitoring.**

93. Sampling and test of surface water quality was carried out by specialists from the laboratory of chemical-analytical studies of the Department of Disease Prevention and the State Sanitary and Epidemiological Surveillance under the Ministry of Health of the Kyrgyz Republic. Samples were taken on May 30, 2022, tests for water transparency, the content of oil products and suspended solids were carried out from May 01 to June 21, 2022.

94. The samples were taken at 3 points:

Point 1. Water from the Tugol-sai river, RHS

Point 2. Water from the irrigation canal at km141+874 Kuyruchuk village

Point 3. Water from the daily pondage basin at km 140+600 Kuyruchuk village

95. Laboratory tests were carried out in accordance with the "Rules for the Protection of Surface Waters of the Kyrgyz Republic" of the Government of the Kyrgyz Republic dated March 14, 2016, No. 128 and the hygienic standards "Maximum allowable concentration limits (MAC) for chemicals in the water of water bodies for household-drinking and utility needs of public", dated April 11, 2016, No. 201.

96. The concentrations of oil pollutants did not exceed the MAC in accordance with No. 201, the concentrations of suspended solids at all monitoring points exceeded the levels by 78-113 times. The outcomes of surface water monitoring are given in Annex 2.

#### **4.1.3 Air Quality Monitoring.**

97. Sampling and tests of air quality was carried out by specialists from the Laboratory of Chemical Analytical Research of the Department of Disease Prevention of the State Sanitary and Epidemiological Surveillance under the Ministry of Health of the Kyrgyz Republic. Samples were taken on May 27, tests of dust, nitrogen dioxide, sulfur oxide, and carbon monoxide were performed during the period May 31 to June 2, 2022.

98. The samples were taken at 4 points:

Point 1. Tugol-Sai village, on the west side of the Kutman store

Point 2. Tugol-Sai village, north-eastern side of the Asphalt plant and Crusher

Point 3. Kuyruchuk village, near the Azamat store

Point 4. Jungal village, near the school

99. Laboratory tests were carried out in accordance with the guidelines for the control of atmospheric pollution. The concentrations of the studied pollutants did not exceed the MAC in accordance with the Law of the Kyrgyz Republic No. 201 dated 11.04.2016. The exception was two dust samples slightly exceeded at point 1 (Tugol-Sai village, on the west side of the Kutman store) and point (Kuyruchuk village near the Azamat store). The monitoring outcomes are presented in the table in Annex 2.

## 4.5 Trends.

100. The contractor managed a single round of instrumental tests (monitoring of noise, vibration, atmospheric air and water) that was carried out in May 2022. The outcomes are presented in Sections 4.1.1 – 4.1.3. Regular instrumental environmental monitoring should be planned and implemented, hence the work performed by contracting companies meets the requirements of SSEMP.

101. Generally, there were not negative trends observed in the measured parameters, the exceptions were elevated concentrations of suspended solids in all surface water samples. There was also slight increase in two dust parameters in air quality samples.

102. Levels of noise near the road did not exceed the MAC level of 70 dB.

103. Vibration levels were below MAC limits of 108 dB.

104. Surface water parameters were below the MAC with the exception of elevated suspended solids; the levels of suspended solids were more than 80 times higher than the MAC.

105. Air quality parameters were within the MAC levels; there were some slight increase of dust in two samples

## 4.6 Summary of Monitoring Outcomes.

106. The sampling and analyses of noise, vibration, surface water quality, and ambient air quality were carried out in the assigned locations in the period from 27 May to 2 June 2022. The detailed results of monitoring studies are presented in the in Annex 2.

107. Noise and Vibration Impact Monitoring: The outcomes of instrumental noise measurements showed that at the time of the monitoring, the noise level at points near the road ranged from 33 dB to 69 dB. The outcomes of instrumental measurements of vibration from traffic flow on roads showed levels between 88 dB to 98 dB.

108. Surface Water Quality Monitoring: The concentrations of oil pollutants did not exceed the MAC in accordance with No. 201. The concentrations of suspended solids at all monitoring points exceeded the MAC by more than 80 times.

109. Air Quality Monitoring: The concentrations of the studied pollutants did not exceed the MAC in accordance with the Law of the Kyrgyz Republic No. 201, dated 11.04.2016. There were slightly exceeded levels recorded in two dust samples at point 1 (Tugol-Sai village, on the west side of the Kutman store) and point (Kuyruchuk village near the Azamat store).

110. Monthly measurements of the required parameters of environmental monitoring (noise, vibration, atmospheric air and water) should be carried out to verify environmental safeguard compliance with SSEMP requirements.

111. It is recommended to conduct additional analyses of suspended solids in the surface water at all three sampling points.

#### 4.7 Material Resources Utilisation.

112.China Railway No.5 performs water consumption for dust suppression using previously agreed and approved water sources (from the Jumgal, Tugol-Sai, Karasuu and Kyzartsuu rivers). The use of electricity, water and other materials were not reported for monitoring in SSEMP.

#### 4.8 Waste Management.

113.The Contractor developed the Waste Management Plan in the SSEMP describing the project specific segregation and waste management activities. During the reporting period, at the project site, work was carried out on the production site, road construction work was practically not carried out.

114.Waste sometimes is accumulated, including both construction and household waste, on the production base and the camp. Reinforced concrete construction waste is generated during the dismantling of bridges and culverts. The contractor is constantly instructed about the need to remove all construction waste so that waste is not accumulated in the areas not designated for this purpose.



**Figure 19 Solid household waste at the site (Before and After the audit).**

115.During the audit (May 24, 2022), it was discovered that solid household waste was dumped into a pit at the production site. Currently, the site has been cleared, the waste has been disposed (Figure 19).

116.Solid household waste generated on the territory of the contractor's and subcontractors' camp is collected and disposed of using local disposal resources in accordance with the contract concluded with Tugol-Saysky Aiyl Okmotu (Order No. 13b).



**Figure 20 Preparation of a waste site at the camp territory.**

## **4.9 Health and Safety.**

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

117. The contractor employed the HSE specialist Abylabekov Kozhomkul on May 2022. There are no medical personnel or an individual medical person involved in the work on the project.

118. There were no cases of road traffic or other accidents reported that led to serious consequences for the health of the local population during the reporting period.

119. Consultant's Road Safety Engineer, Bolotbek Toktomushev undertook monthly visits of the project road and construction sites to insure safety measures are followed. Urgent actions were closed immediately, actions requiring longer time to fulfill were communicated to Contractor in written by Gentek.

120. Contractor supported maintaining road and safe access through the operational construction site to affected residents who live in the settlements located alongside the road.

121. Dust formation is a persistent issue during road construction. Anthropogenic impact to ambient environment coming from increased levels of particle matters due to transportation and using of sand and sand-gravel compounds. Elevated levels of dust affect businesses of the local community, it settles on shops, cafes, agricultural products and crop yields. Elevated levels potentially might lead to traffic accidents due to poor visibility, to allergy and respiratory diseases in humans, water quality pollution.

122. Mitigation measures applied for minimization of impact from elevated levels of dust during the project work were: water trucks were suppressing dust by watering roads, especially during the dry and hot weather; the speed of vehicles was limited as by signs obliged it all along the road without pavement; regular technical inspection of vehicle involved to prevent potential exceeding the maximum permissible levels.

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

123. The Contractor prepared and submitted to the Consultant an occupational health and safety plan on February 10, 2022. During the on-site audit on May 23-24, 2022 conducted by international and local environmental consultants, no evidence of regular inspections of the labor protection and improvement of working conditions was presented.

124. There were no accidents, incidents that led to problems with the health and safety of employees, as well as incidents related to downtime during the reporting period.

125. The major worker safety issues communicated to the Contractor during the reporting period were following:

- Contractor shall pay more attention toward improving safety performance in the company by conduction safety inductions, mandatory trainings, awareness sessions, knowledge check exercises. These issues will be monitored throughout future audits/inspections.
- All employees working at sites shall be provided with full PPE (coverall, helmets, boots, welding shield and apron, gloves, earmuffs and goggles).
- Monthly check of critically safety equipment to be carried out (fire extinguishers, sand box and other fire safety equipment, first aid kits etc).
- Safety warning signs and information boards should be existing and seen by workers

and visitors in the working areas.

#### 4.6.3 Training.

126. In May 2022, an international environmental consultant with the participation of a local environmental consultant conducted the environmental safeguard training for the Contractor's managers. During the training, issues of environmental compliance and obligations to be followed during road construction activities were discussed.

127. It is recommended to conduct additional trainings on environmental safeguard to contractor's employees and subcontractors involved in operations.

128. It is recommended that Contractor provides mandatory trainings (first aid, fire safety, emergency exercises).

129. It is recommended that Contractor provides to provide workers with trainings on labor protection and work safety.



**Figure 21 Training for management on environmental safeguard, May 25, 2022.**

## 5 SSEMP FUNCTIONING.

### 5.4 SSEMP Review.

130. The SSEMP was reviewed and approved in December 2021. The document describes the measures proposed under the Project to prevent, minimize or compensate for adverse environmental impacts arising from the Project.

131. The Contractor, represented by Nurdinov Nurlan, responsible for environmental protection, is taking measures to mitigate the consequences potentially arising from construction work. The Consultant's specialists regularly implement the inspections to monitor environment safeguard activities and whether they are following requirements of SSEMP.

132. The review of the Contractor's SSEMP and observations on processes while visiting the project area allowed to highlight recommendations. These recommendations are presented in paragraph 7.2 below.



**Figure 22 Inspection and discussions with workers at project site, May 25, 2022.**

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

### **6.4 Good practice.**

133. Mitigation measures described in the SSEMP are sufficient. Example of a good practice is adaptation of the plan and increasing intensity of dust suppression activities on construction work sites due to dry and hot weather.

134. It is recommended that environmental performance of the Contractor would be more proactive and sustainable. Actions undertaken to mitigate impacts should be continually followed and performance continually improved. One way to meet these objectives is to monitor non-compliance actions and prevent their reoccurrence. Contractor should be more responsible toward health and safety protection of workers and eliminate causes that would create a potential hazard or undesirable situation.

### **6.5 Opportunities for Improvement.**

135. During the inspection in May 2022, it was noted that the responsible personnel were not sufficiently aware of the issues on environmental protection, labor protection and safety. Observations on violations were officially submitted to the Contractor for review and further actions for improving performance.

136. The Contractor's management shall provide all mandatory trainings to the staff. Environmental awareness sessions shall be provided on prevention of pollution and contamination from construction activities. The safety mandatory trainings such as safety behavior at workplace, use firefighting equipment, first aid are of paramount importance.

137. It is recommended to create emergency response team.

138. Internal inspections & audits should be regularly conducted in order to insure sustainability of performance and prevention of re-occurrences.

139. It is required that Contractor arranges an internal Log of issues and non-compliances and track how they are managed. Provide information on progressing together with to the Contractor's monthly reports to Consultant.

## **7 SUMMARY AND RECOMMENDATIONS.**

### **7.4 Summary.**

140. The contractor has received all permits from local authorities to use quarries and spoil areas. Three quarries are currently being developed.

141. Relevant permits have also been received from local authorities for a production base and a camp sites.

142. Reclamation has not been carried out at the 12 designated quarries, as these quarries will continue to be used until the completion of all construction work on the project road section.

143. Increased dust formation observed during heavy traffic and due to the heavy-duty vehicles traffic in the dry weather, in view of this, the intensity of dust suppression has been advised to increase by using 10 water trucks. In July, the number of water trucks was recommended to increase up to 15.

144. Along with performing necessary protection measures, there were some cases of not proper implementation of environmental safeguards. No instrumental monitoring of water and air quality, noise and vibration was carried immediately before the construction activities. Monthly measurements are also missing. The first monitoring measurements in 2022 was carried out in May.

145. Violations of safety rules in the camp were observed: not enough PPEs were provided; no evidences whether safety trainings and environmental awareness sessions conducted to personnel.

146. Road safety measures undertaken are to be improved as there were not enough signs and markings were noticing on roads. This issue has been continually communicated by Consultant specialists and once done it should be constantly followed up.

### **7.5 RECOMMENDATIONS.**

147. The Contractor shall prepare a tree planting plan describing the number of trees felled in specific areas; identification of specific areas with Aiyl Okmotu for planting seedlings; 5 of the chosen tree species, characteristics of seedlings and their purchase with local forestry nurseries; design of planting and the process of caring for seedlings, etc. A tree planting plan should be prepared in July-August in order to start the planting process in the autumn 2022.

148. The Contractor shall prepare a plan for the remediation of the used quarries in the completed sections.

149. In order to avoid pollution of the environment, the Contractor will have to negotiate and designate areas for storing old asphalt in advance with the local Aiyl Okmotu during road construction works in accordance with regulations and standards.

150. In order to avoid pollution of the environment, the Contractor will have to negotiate and designate areas for storing waste material in advance in accordance with regulations and standards.

151. The contractor shall develop a non-compliance policy so that corrective actions are sustainable.

152.It is recommended to develop a system of training and internal inspection to prevent recurrence of violations.

153.It is recommended to conduct additional analyses of suspended solids in the surface water at all three sampling points to re-check parameter as the permissible concentrations limit was substantially increased.



КЫРГЫЗ РЕСПУБЛИКАСЫНЫН ЭКОЛОГИЯ ЖАНА КЛИМАТ БОЮНЧА  
МАМЛЕКЕТТИК КОМИТЕТИ

НАРЫН ОБЛУСТУК БАШКАРМАЛЫГЫ

Жер тилкесин аныктоо боюнча

КОРУТУНДУ № 6

«12» \_\_\_\_\_ апрель \_\_\_\_\_ 2022- ж.

1. Жер тилкеси берилүүчү объектинин аталышы, менчиктик түрү: Эпкин-Баш Кууганды автожолунун (148+630) чакырымындагы 1800 м алыстыктагы №1043 контурундагы жер аянтына убактылуу АБЗ, ДСУ, базаны жайгаштырууну долборлоого Тундук-Туштук альтернативалык жолунун курулушу. Транспорт жана жолдор министрлиги, «Китайская железнодорожная инженерная групповая компания №5»
2. Жер тилкесинин жайгашкан орду: Куйручук айыл аймагы Жумгал району Балыкчы-Жалал Абад автожолунун 148-630км. жолдун он тарабы
3. Коротунду берүү үчүн негиздөөчү иш кагаздар- Транспорт жана жолдор министрлигинин «Китайская железнодорожная инженерная групповая компания №5» биргелешкен ишканасынын кайрылуусу 06.04.2022ж. тиркемелери менен.
4. Жер тилкесин аныктоо үчүн комиссиянын курамы: Жумгал райондук мам. адм., Куйручук а/а.
5. Жер тилкесине мүнөздөмө (аймагы)- убактылуу АБЗ, ДСУ, базаны жайгаштырууну долборлоого Тундук-Туштук альтернативалык жолунун курулушу.
  - а) өлчөмү (аянты) 6,9га
  - б) рельефи тынч
  - в) жер кыртышынын мүнөздөмөсү жана көрүнүшү: - \_\_\_\_\_
  - г) жер астындагы суулардын жайгашышы: - \_\_\_\_\_
  - д) саздак жерлердин болушу жок
  - е) бак, дарак, бадалдарын болушу, саны \_\_\_\_\_ - \_\_\_\_\_
  - ж) агын суудан, каналдан, көлдөн жайгашуу аралыгы: - \_\_\_\_\_
6. Жер тилкесинин мурда пайдаланылышы: - \_\_\_\_\_
7. Жер тилкесинин айлана чөйрөдө жайгашышы: түндүк, түштүк, батыш, чыгыш тарабынан өздөштүрүлбөгөн аймактар.
8. Шамалдын согуу багыты батыштык
9. Көрсөтүлгөн жер тилкесиндеги жайгашуучу объектинин айлана чөйрөгө жана калктын жашоосуна тийгизуучу экологиялык шарттары: - \_\_\_\_\_
10. Таза суу менен камсыз кылуу булактары, санитардык коргоо зоналарын уюштуруу мүмкүнчүлүктөрү: - \_\_\_\_\_
11. Объектинин канализациялык мүмкүнчүлүктөрү: - \_\_\_\_\_
12. Кир ыплас сууларды чыгаруу: - \_\_\_\_\_
13. Объектинин жылуулук берүү системасы: - \_\_\_\_\_
14. Экологиялык экспертиза өткөрүү: - убактылуу ДСУ, АБЗ, базаны жайгаштырууну долборлоого Тундук-Туштук альтернативалык жолунун курулушунун долбоорунун алкагында.

КОРУТУНДУ :

Жер тилкеси: убактылуу базаны жайгаштырууну долборлоого Тундук-Туштук альтернативалык жолунун курулушунун долбоорунун алкагында Транспорт жана жолдор министрлиги.

экологиялык шарттар боюнча: Айлана чөйрөнү коргоо мыйзамдарынын талаптары сакталсын

а) пайдаланууга жарайт: пайдаланууга жарайт.

б) пайдаланууга болбойт (негиздери) \_\_\_\_\_

Коротундун берилүү мөөнөтү: 06.04.2022ж.

Башкармалыктын башчысы

Алдын: \_\_\_\_\_

Д.Оморов



КЫРГЫЗ РЕСПУБЛИКАСЫ  
НАРЫН ОБЛУСУ  
ЖУМГАЛ РАЙОНУ  
КУЙРУЧУК  
АЙЫЛ АЙМАГЫНЫН  
АЙЫЛ ОКМОТУ- МЕКЕМЕСИ



КЫРГЫЗСКАЯ РЕСПУБЛИКА  
НАРЫНСКАЯ ОБЛАСТЬ  
ЖУМГАЛЬСКИЙ РАЙОН  
АЙЫЛ ОКМОТУ- УЧРЕЖДЕНИЕ  
КУЙРУЧУКСКОГО  
АЙЫЛНОГО АЙМАКА

**БУЙРУК**

№ 52

“ 5 ” 10 2021-ж.

Куйручук айылы.

**Түндүк- Түштүк альтернатива жолун курууга ФКОО “Китайская железнодорожная инженерная компания №5” ишканасына убактылуу лагерь куруу жөнүндө**

Түндүк- Түштүк альтернатива жолун куруу иштерин жүргүзүп жаткан ФКОО “Китайская железнодорожная инженерная компания №5” ишканасына убактылуу лагерь куруу үчүн буйрук кылам:

1. Куйручук айыл аймагынын айылдык Кеңешинин 2021-жылдын 30-сентябрындагы №3 токтомуна ылайык Түндүк- Түштүк альтернатива жолунун курулушун ишке ашырып жаткан “Китайская железнодорожная инженерная компания №5” ишканасына Куйручук айыл өкмөтүнө тиешелүү Кара-Чий участогунун Түгөлдүн сайынын жээгинен, жайыт жеринен 2 (эки) га жер участогу 3 жылдык мөөнөткө бөлүнүп берилсин.

2. Берилип жаткан жерге тиешелүү иш кагаздарын алып баруу жана келчшимди мыйзамдын чегинде түзүү Куйручук жайыт комитетинин төрагасы К. Чокоевке милдеттендирилсин.

3. Бул буйруктун аткарылышын көзөмөлө алуу жагын өзүмө калтырам.

Башчы



Б. Абылабеков.



Куйручук айыл аймагынын айылдык Кенешинин кезектеги сессиясынын

**ТОКТОМ № 3**

2021-жылдын 30-сентябрь

Куйручук айылы

Түндүк –Түштүк альтернатива жолун курууга катышкан ФКОО “Китайская железнодорожная инженерная компания № 5” компаниясынын инерттик материалдарды алуу боюнча өтүнүчүн кароо.

Куйручук айылдык Кенешин, ФКОО “Китайская железнодорожная инженерная компания № 5” компаниясынын 29.09.2021-ж. өтүнүчүн окуп жана талкуулап,

**ТОКТОМ кылат:**

1. Кыргыз Республикасынын Өкмөтүнүн, Кыргыз Республикасынын Транспорт жана Коммуникация министрлигинин токтомдорун эске алуу менен Кара-Чий участогунан инерттик материалдарды алуу үчүн жер участогу бөлүнүп берилсин.
2. Бөлүнүп берилген жер участогунан тышкары АБЗ, ДСУ курууга жана убактылуу жашай турган турак жай үчүн КЕЛИШИМдин негизинде жер участоктору берилсин.
3. Инерттик материалдарды алууда баардык экологиялык-санитардык талаптарды сактоо жана пайдалануу мөөнөтү бүткөндөн кийин пайдаланылган уастокторду калыбына келтирүү иштери ФКОО “Китайская железнодорожная инженерная компания № 5” компаниясына милдеттендирилсин.

Төрага



Чокоев К.

## АКТ

20-декабрь 2021- жыл.

Жумгал району Куйручук айылы

Биз, төмөндө кол коюп акт түзүүчүлөр : Нарын аймактык экология жана климат боюнча башкармалыгынын мамлекеттик экологиялык экспертиза бөлүмүнүн башчысы Н.Миназарова, ФКОО «Китайская железнодорожная инженерная компания №5» ишканасынын өкүлү —эколог Н.Нурдинов.

Акт тузуубуздун себеби: 2021жылдын 13-декабрында башкармалыкка келип тушкон ФКОО «Китайская железнодорожная инженерная компания №5» ишканасынын Тундук-Туштук жолун куруулуш долбоорунун алкагында убактылуу базанын схематикалык планынын негизинде жер тилкесине макулдук берүү кайрылуусу боюнча жеринде кароо жүргүзүлдү.

Жер тилкеси Жумгал районунун Куйручук айыл аймагына тиешелүү жайытка тиешелүү . Жер тилкеси жайыт комитети менен макулдашылып 3 жылдык мөөнөткө ижарага берилүүдө. Жалпы аянты 2,0 га. Жер тилкеси түштүк тарабынан сай менен чектелген. Сайдан аралыгы 50 м түзөт. Жер тилкесинде бак дарактар жок. Жер кыртышы таштак топурак.

Тиркемеде Куйручук айыл аймагынын 5.10.2021ж. № 52 буйругу, айылдык кеңештин кезектеги сессиясынын 30.09.2021ж. №3 токтому тиркелди.



Н.Миназарова



Н.Нурдинов



**БУЙРУК  
ПРИКАЗ**

№ 14

6-апрель 2022-жыл.

Куйручук айылы

**АБЗ, ДСУ куруу орнотуу жана база уюштуруу жөнүндө**

Түндүк-Түштүк альтернативдик жолунун курулушун жүргүзүп жаткан КОО " № 5 Кытай темир жол инженердик компаниясына " АБЗ, ДСУ жана база орнотууга убактылуу жер берүү тууралуу буйрук кылам:

1. Куйручук айылынын Кара-Чий аймагындагы 1043 контурундагы таштак жайыт категориясында турган жер аянтынан 6,9 га жер тилкесин "№ 5 Кытай темир жол инженердик компаниясына " АБЗ, ДСУ орнотууга жана база уюштурууга 3 (үч) жылдык убактылуу мөөнөткө берилсин.
2. Бериле турган жер аянтын жеринен барып тактап, мыйзам чегинде келишимдерди түзүү жагы жер, турак жай жана өзгөчө кырдаалдар боюнча башкы адис Д. Дүйшөналиевге жана жайыт комитетинин башчысы К. Чокоевге милдеттендирилсин.
3. Бул буйруктун аткарылышын көзөмөлгө алуу жагын өзүмө калтырам.

Негизи: № 5 Кытай темир жол инженердик компаниясынын " АБЗ, ДСУ жана база орнотуу боюнча жер сурап жазган 3-апрель 2022-жылдагы кайрылуусу.

Башчы

Б. Абылабеков

КЫРГЫЗ РЕСПУБЛИКАСЫНЫН  
ЖАРАТЫЛЫШ РЕСУРСТАРЫ,  
ЭКОЛОГИЯ ЖАНА ТЕХНИКАЛЫК  
КӨЗӨМӨЛ МИНИСТРЛИГИ



НАРЫН РЕГИОНАЛДЫК  
БАШКАРМАЛЫГЫ  
722900, Нарын шаары Ленин 58/а  
Факс(03522 5-04-47), тел 5-19-35  
Email: ntuos@inbox.  
ЖИН 02501201410056 ОКПО 25933715

МИНИСТЕРСТВО ПРИРОДНЫХ  
РЕСУРСОВ, ЭКОЛОГИИ И  
ТЕХНИЧЕСКОГО НАДЗОРА  
КЫРГЫЗСКОЙ РЕСПУБЛИКИ  
НАРЫНСКОЕ РЕГИОНАЛЬНОЕ  
УПРАВЛЕНИЕ

722900 г. Нарын, ул. Ленин 58/а  
Факс(03522 5-04-47), тел 5-19-35  
Email: ntuos@inbox.ru ИНН  
02501201410056 ОКПО 25933715

« 12 » 04 2022-ж.

Нарын ш.

№ 01/434

**ФКОО «Китпайская железнодорожная  
инженерная групповая компания №5» ишканасына**

Нарын регионалдык башкармалыгы Сиздердин 06.04.2022-жылдагы № CR5-N-0013 сандуу кайрылуунуздарга.

2022-жылдын 6-апрелинде башкармалыкка келип тушкон ФКОО «Китайская железнодорожная инженерная компания №5» ишканасынын Тундук-Туштук жолун куруулуш (148-630км) долбоорунун алкагында убактылуу базанын, АБЗ, ДСУ схематикалык планынын негизинде жер тилкесине макулдук берүү кайрылуусу боюнча жеринде кароо жүргүзүлдү.

Жер тилкесине кароо жүргүзүү менен Жумгал районунун Куйручук айыл аймагынын жайыт комитети менен макулдашылып 3 жылдык мөөнөткө ижарага берилген жер тилкесине убактылуу базанын курулушун долборлоого макулдук корутундусун жиберет.

Башкармалыктын башчысы

Н.Миназарова  
0352251935

Д.Оморов

## Disposal of Household Waste Contract:

### Договор № EDSC-003 合同 № EDSC-003

Место заключения: Село Тугол Сай  
签订地点: 图库勒, 赛义村

«18» апреля 2022 года  
2022年4月18日

Филиал Компании с ограниченной ответственностью «Китайская железнодорожная инженерная групповая компания №5» в Кыргызской Республике в лице Главного инженера Ху Хуэйхуэй, действующего на основании Доверенности от 28.06.2021 года (именуемый в дальнейшем «Сторона А»).

中铁五局集团有限公司吉尔吉斯斯坦分公司, 以总工程师胡慧慧为代表, 依据 2021 年 6 月 28 日的委托书行使权力, 以下简称“甲方”

Тугол Сайынский айыл окмоту в лице Сабырбек уулу Калысбек, (именуемый в дальнейшем «Сторона Б»).

图库勒, 赛义村政府, 以领导萨北勒别克·乌鲁·卡伦斯别克为代表, 以下简称“乙方”

Стороны заключили настоящий договор о нижеследующем:

双方共同签订本合同, 内容如下:

#### 1. Предмет договора

##### 1. 合同内容

1.1. В связи с реконструкцией автодороги “Эпкин-Баш-куганды” Филиалом Компании с ограниченной ответственностью «Китайская железнодорожная инженерная групповая компания №5» в Кыргызской Республике, Сторона Б дала согласие Стороне А на вывоз и свалку бытового мусора с базы и лагеря Стороны А на мусорный полигон Тугол Сайского айыл окмоту.

1.1. 鉴于甲方在实施“艾普肯-巴士-库刚”道路建设项目, 乙方允许甲方从甲方基地和宿营地将日常垃圾运到并堆放在图库勒, 赛义村的垃圾堆填区。

#### 2. Оплата за услуги

##### 2. 服务费用

2.1. Оплата на вывоз бытового мусора с базы и лагеря Стороны А в мусорный полигон Тугол Сайского айыл окмоту в размере 25000 сом (двадцать пять тысяч) ежеквартально, и оплата производится стороной А путём безналичного перевода на расчётный счёт указанный в настоящем договоре, сумма с учётом всех налогов и сборов.

2.1. 甲方将从基地和宿营地将日常垃圾运到图库勒, 赛义村的垃圾堆填区的费用为 25000 索姆 (贰万伍仟) 每个季度, 费用由甲方通过非现金的形式支付到本合同所指的结算账户中, 费用包含所有税。

2.2. За использование мусорного полигона Сторона А должна выплачивать 25000 сом не позднее 10 числа каждого квартала.

2.2. 甲方因使用垃圾堆填区应当每个季度不晚于 10 号支付 25000 索姆。

2.3. Сторона А несет ответственность за несвоевременное выполнение условий договор по срокам оплаты в размере 0.01% за каждый просроченный день оплаты., При этом общая сумма неустойки не должна превышать 1% от общей просрочной оплаты.

2.3. 甲方对未及时履行合同付款期限条款承担责任, 并因每个逾期付款日支付

1



0.01% 的费用,最高不超过延期支付价款的 1%。

### 3.Обязанности сторон

#### 3.双方义务

#### 3.1.Сторона А обязуется:

##### 3.1.甲方的义务:

3.1.1.Сторона А должна вывезти мусор до указанного Стороной Б мусорного полигона, и не нести ответственность за последующие работы по очистке вывезенных мусоров.

3.1.1.根据乙方指定地点倾倒垃圾,并且无需负责对垃圾堆填区垃圾进行二次处理。

#### 3.2.Сторона Б обязуется:

##### 3.2.乙方的义务:

3.2.1.Сторона Б должна предоставить все разрешительные документы для данного мусорного полигона.

3.2.1.乙方提供关于垃圾堆填区的一切许可证明;

3.2.2.Обеспечить Сторону А вполне достаточными местами для свалки мусоров.

3.2.2.确保甲方倾倒垃圾时有足够的地方堆放垃圾;

3.2.3.Сторона Б должна нести ответственность за последующие работы по очистке вывезенных мусоров в мусорном полигоне.

3.2.3.垃圾堆填区的垃圾处理工作由乙方负责。

### 4.Разногласия сторон

#### 4.双方分歧

4.1.Разногласия, возникающие в ходе выполнения настоящего договора, должны быть урегулированы путем переговоров. Если стороны не пришли к соглашению, разногласия должны быть решены в арбитражном суде в соответствии с законодательством Кыргызской Республики.

4.1.本合同在执行过程中出现的分歧,应当通过协商解决。如果双方未能达成协议,则必须根据吉尔吉斯共和国的法律在仲裁法院解决分歧。

### 5.Срок действия договора

#### 5.合同有效期

5.1.Сроком начала действия настоящего договора считается дата его двустороннего подписания и действует до 2024.7.15.

5.1.本合同的生效日期为双方签署之日,有效期至 2024.7.15。

5.2.Настоящий договор составлен в двух экземплярах имеющих равную юридическую силу, по одному экземпляру для каждой стороны.

5.2.本协议一式两份,具有同等法律效力,双方各执一份。

### 6.Банковские Реквизиты

#### 6.银行信息

| Сторона А:甲方:  | Сторона Б:乙方:  |
|--|--|
| Филиал Компании с ограниченной ответственностью «Китайская железнодорожная инженерная групповая компания №5» в Кыргызской Республике | Тугол Сайыский айыл окмоту<br>РСК БАНК   |
| Юр. адрес: г. Бишкек, Ленинский район,   | Расчетный счет: 4405041253004728<br>БИК: 440504<br>ИНН: 00111199610049<br>ОКПО: 22320142 |



2.

|  |   |
|--|---|
| <p>ул. Таланта Сагындыкова, д. 35.<br/>ИНН: 01601201510083<br/>ОКПО: 28995757<br/>Банк: Бишкекский Центральный филиал<br/>ОАО « Оптима Банк »<br/>Расчетный счет: 1091805072660156<br/>БИК: 109018</p> <p>Ху Хуэйхуэй.</p> | <p><br/>Сабырбек уулу Калысбек</p> |
|--|---|

# Order of Road Maintenance Company - 955

МИНИСТЕРСТВО ТРАНСПОРТА  
И ДОРОГ  
КЫРГЫЗСКОЙ РЕСПУБЛИКИ



ДОРОЖНО  
ЭКСПЛУАТАЦИОННОЕ  
УЧРЕЖДЕНИЕ №955

На право производства работ:  
Пути Соединения Коридоров ЦАРЭС  
1 и 3  
Участок 2Б Элкин - Дыйкан км 89+300  
- км 100+200

Срок действия с «1» октября 2021 г.  
по «20» марта 2024 г.  
Срок действия продлен  
до « » 20\_\_ г.

Департамент дорожного хозяйства  
Наименование организации, выдавшей ордер

Ордер

Начальник ДЭУ-955

№

Бейшеналиев К.М

Выдан производителю работ:  
Ген. Подрядчик - China Railway №5  
(КНР)

«29» 09 2021 г.

### Способ и содержание работ

| № п/п | Виды работ               |
|-------|--------------------------|
| 1     | Земляные работы          |
| 2     | Дренаж                   |
| 3     | Дорожная одежда          |
| 4     | Искусственные сооружения |
| 5     | Дорожное обустройство    |

### Условия производства работ:

Руководство ДЭУ-955, обслуживающего данный реабилитируемый участок автодороги, в праве, от имени Министерства транспорта и дорог КР, как Заказчика проекта, вести надзор за выполнением основных реабилитационных работ указанных выше, а также соблюдением требований всех нижеследующих пунктов:

1. На всем участке производства работ, на период ведения дорожно-ремонтных работ и пропуска транзитного транспорта и с обеих сторон места производства локальных работ (мосты, трубы и т.п.), должны быть установлены дорожные знаки и отражающие устройства, согласно требованиям ГОСТов, с обеспечением освещения в темное время суток, в соответствии с разделом обеспечения безопасности ППР и с утвержденной схемой их расстановки, согласованной с органами ДН ГУОБДД МВД КР.
2. Технологическая техника, задействованная на производстве работ, до начала пропуска транзитного транспорта, согласно режиму проезда автотранспорта, должна быть отведена на специально предусмотренные для этого места парковки и стоянки.
3. Проезжая часть автодороги и объездов должна иметь ширину не менее 12 метров и ежедневно, в момент пропуска транзитного транспорта, должна быть уплотнена, очищена и обеспылена.
4. Ответственность за круглосуточное обеспечение безопасности движения и пропуск транспортных средств на участках производства работ, а также обеспечение безопасных условий труда возлагается на Генеральную Подрядную организацию.
5. При передаче участка автодороги или видов работ Субподрядчику, ответственность за круглосуточное обеспечение безопасности движения и пропуск транспортных средств на участках производства работ, а также обеспечение безопасных условий производства работ возлагается на Субподрядчика.
6. Передача участка автодороги и видов работ Субподрядчику производится договором или соглашением с указанием безопасных условий производства работ. При этом, в соответствии с контрактными условиями, ответственность с Генерального Подрядчика не снимается.
7. После завершения работ объект должен быть сдан дорожным органам в состоянии, отвечающем требованиям строительных норм и правил, обеспечивающим безопасность движения автомобильного транспорта.
8. Заказчик обязан еженедельно осуществлять надзор вышеуказанных пунктов, в случаях обнаружения нарушений, выдавать предписание Подрядчику. В случае не выполнения предписания, Заказчик имеет право изъять ордер на право производства работ.
9. За невыполнение обязательств и условий по настоящему ордеру ответственное лицо несет административную и судебную ответственность, в соответствии с действующим законодательством.

Примечание: Ордер заполняется в 3-х экземплярах: 1-й экземпляр выдается производителю работ – Подрядчику, 2-й экземпляр - дорожной организации, выдавшей ордер – ДЭУ-955 ДДХ при МТК КР, 3-й экземпляр – органу ДН ГУОБДД МВД КР.

Объект сдал \_\_\_\_\_  
«29» 09 2021 г.

Объект принял \_\_\_\_\_  
«29» 09 2021 г.

«Согласовано»

ОДН ГУОБДД МВД КР

吉尔吉斯共和国  
交通运输部



许可证

№ \_\_\_\_\_

955号公路段

2021年10月1日起生效  
至

2024年3月20日

有效期延长至

“ ” 20 年

955号公路段局长

Beishenaliev K.M

“ ” 2021年

对于执行工作的权利：  
连接中亚国家1、3区域经济合作走廊  
Section 2B Epkin - Dyikan km 89 + 500 -  
km 159 + 200  
道路设施科  
发布命令单位名称

发给承包商：  
总承包商 - 中铁五局（中国）

工作方式及内容

| № n/n | 工作类型 |
|-------|------|
| 1     | 开挖   |
| 2     | 排水沟  |
| 3     | 路面   |
| 4     | 结构物  |
| 5     | 道路设施 |

工作条件：

为该修复路段服务的955号公路段管理层有权代表吉尔吉斯共和国交通和公路部作为项目业主，监督上述基本修复工作的执行情况，并遵守以下所有规定：

- 在整个施工现场，在道路维修和过境运输通行期间，以及在施工现场两侧（桥梁、管道等），应根据业主要求安装路标和反光装置，并在黑暗中提供照明，根据与吉尔吉斯共和国内政部国家安全局机构商定的PPR安全部分及其批准的布局方案。
- 根据车辆通行制度，在过境运输开始前从事生产工作的技术设备，应指定专用停车场和停车场。
- 道路及绕道的行车道必须至少有12米宽，并须在过境交通通行时，每日进行封路、清洁及除尘。
- 负责施工现场的24小时交通安全和车辆通行，总承包组织负责提供安全的工作条件。
- 将一段道路或工程项目交给分包商时，负责施工现场的24小时交通安全和车辆通行，分包商负责确保安全的工作条件。
- 向分包商转让路段和工程类型时，应签订一份或多份协议，说明工程的安全条件。同时，根据合同条款，总承包商的责任并不免除。
- 工程完工后，必须在符合建筑规范和法规要求的条件下，将对象移交给道路当局，以确保道路运输的安全。
- 业主有义务每周监督上述项目，如发现违规行为，应向承包商发出指示。如果不遵守规定，业主有权收回施工许可证。
- 若未履行本令规定的义务和条件，负责人按照现行法律承担行政及司法责任。

注：本令共一式三份：承包商一份，本令发出道路单位-吉尔吉斯斯坦共和国交通运输部下属955号公路段一份，吉尔吉斯共和国内政部道路交通安全总局一份。

项目移交 \_\_\_\_\_  
“ ” 2021年

接收对象 \_\_\_\_\_  
“ ” 2021年

“同意”

吉尔吉斯共和国内政部道路交通安全总局

955

: KM89+500-KM100+200 10.7KM

МИНИСТЕРСТВО ТРАНСПОРТА  
И ДОРОГ  
КЫРГЫЗСКОЙ РЕСПУБЛИКИ



ДОРОЖНО  
ЭКСПЛУАТАЦИОННОЕ  
УЧРЕЖДЕНИЕ №24

На право производства работ:  
Пути Соединения Коридоров ЦАРЭС  
1 и 3

Участок 2Б Эпкин - Дыйкан  
км 100+200 - км 159+200

Департамент дорожного хозяйства

Наименование организации, выдавшей ордер

Выдан производителю работ:  
Ген. Подрядчик - China Railway №5  
(КНР)

Срок действия с «1» октября 2021 г.  
по «20» марта 2024 г.

Срок действия продлен  
до «\_\_» \_\_\_\_\_ 20\_\_ г.

Ордер

№ 02

Начальник ДЭУ-24

Доолотбаев К.Б.

«29» сентября 2021 г.

Способ и содержание работ

| № п/п | Виды работ               |
|-------|--------------------------|
| 1     | Земляные работы          |
| 2     | Дренаж                   |
| 3     | Дорожная одежда          |
| 4     | Искусственные сооружения |
| 5     | Дорожное обустройство    |

Условия производства работ:

Руководство ДЭУ-24, обслуживающего данный реабилитируемый участок автодороги, в праве, от имени Министерства транспорта и дорог КР, как Заказчика проекта, вести надзор за выполнением основных реабилитационных работ указанных выше, а также соблюдением требований всех нижеследующих пунктов:

1. На всем участке производства работ, на период ведения дорожно-ремонтных работ и пропуска транзитного транспорта и с обеих сторон места производства локальных работ (мосты, трубы и т.п.), должны быть установлены дорожные знаки и отражающие устройства, согласно требованиям ГОСТов, с обеспечением освещения в темное время суток, в соответствии с разделом обеспечения безопасности ППР и с утвержденной схемой их расстановки, согласованной с органами ДН ГУОБДД МВД КР.
2. Технологическая техника, задействованная на производстве работ, до начала пропуска транзитного транспорта, согласно режиму проезда автотранспорта, должна быть отведена на специально предусмотренные для этого места парковки и стоянки.
3. Проезжая часть автодороги и объездов должна иметь ширину не менее 12 метров и ежедневно, в момент пропуска транзитного транспорта, должна быть уплотнена, очищена и обеспылена.
4. Ответственность за круглосуточное обеспечение безопасности движения и пропуск транспортных средств на участках производства работ, а также обеспечение безопасных условий труда возлагается на Генеральную Подрядную организацию.
5. При передаче участка автодороги или видов работ Субподрядчику, ответственность за круглосуточное обеспечение безопасности движения и пропуск транспортных средств на участках производства работ, а также обеспечение безопасных условий производства работ возлагается на Субподрядчика.
6. Передача участка автодороги и видов работ Субподрядчику производится договором или соглашением с указанием безопасных условий производства работ. При этом, в соответствии с контрактными условиями, ответственность с Генерального Подрядчика не снимается.
7. После завершения работ объект должен быть сдан дорожным органам в состоянии, отвечающем требованиям строительных норм и правил, обеспечивающим безопасность движения автомобильного транспорта.
8. Заказчик обязан еженедельно осуществлять надзор вышеуказанных пунктов, в случаях обнаружения нарушений, выдавать предписание Подрядчику. В случае не выполнения предписания, Заказчик имеет право изъять ордер на право производства работ.
9. За невыполнение обязательств и условий по настоящему ордеру ответственное лицо несет административную и судебную ответственность, в соответствии с действующим законодательством.

Примечание: Ордер заполняется в 3-х экземплярах: 1-й экземпляр выдается производителю работ – Подрядчику, 2-й экземпляр - дорожной организации, выдавшей ордер – ДЭУ-24 ДДХ при МТнК КР, 3-й экземпляр – органу ДН ГУОБДД МВД КР.

Объект сдал \_\_\_\_\_  
«29» сентября 2021 г.

Объект принял \_\_\_\_\_  
«29» \_\_\_\_\_ 2021 г.

«Согласовано»

ОДН ГУОБДД МВД КР

吉尔吉斯共和国  
交通运输部

对于执行工作的权利：  
连接中亚国家 1、3 区域经济合作走廊  
Section 2B Epkin - Dyikan km 89 + 500 -  
km 159 + 200  
道路设施科  
发布命令的单位名称



许可证

№ \_\_\_\_\_

第 24 号公路段

2021 年 10 月 1 日起生效  
至  
2024 年 3 月 20 日  
有效期延长 至  
“\_”\_20\_ 年。

24 号公路段局长  
**Doolothaev K.B**

“\_”\_2021 年。

发给承包商：总承包商 - 中铁五局（中  
国）

工作方式及内容

| № n/n | 工作类型 |
|-------|------|
| 1     | 开挖   |
| 2     | 排水沟  |
| 3     | 路面   |
| 4     | 结构物  |
| 5     | 道路设施 |

**工作条件：**

为该修复路段服务的 24 号公路段管理层有权代表吉尔吉斯共和国交通和公路部作为项目业主，监督上述基本修复工作执行情况，并遵守以下所有规定：

1. 在整个施工现场，在道路维修和过境运输通行期间，以及在施工现场两侧（桥梁、管道等），应根据业主要求安装路标和反光装置，并在黑暗中提供照明，根据与吉尔吉斯共和国内政部国家安全局机构商定的 PPR 安全部分及其批准的布局方案。
2. 根据车辆通行制度，在过境运输开始前从事生产工作的技术设备，应指定专用停车场和停车场。
3. 道路及绕道的行车道必须至少有 12 米宽，并须在过境交通通行时，每日进行封路、清洁及除尘。
4. 负责施工现场的 24 小时交通安全和车辆通行，总承包组织负责提供安全的工作条件。
5. 将一段道路或工程项目交给分包商时，负责施工现场的 24 小时交通安全和车辆通行，分包商负责确保安全的工作条件。
6. 向分包商转让路段和工程类型时，应签订一份或多份协议，说明工程的安全条件。同时，根据合同条款，总承包商的责任并不免除。
7. 工程完工后，必须在符合建筑规范和法规要求的条件下，将对象移交给道路当局，以确保道路运输的安全。
8. 业主有义务每周监督上述项目，如发现违规行为，应向承包商发出指示。如果不遵守规定，业主有权收回施工许可证。
9. 若未履行本令规定的义务和条件，负责人按照现行法律承担行政及司法责任。

注：本令共一式三份：承包商一份，本令发出道路单位-吉尔吉斯共和国交通运输部下属的 24 号公路段一份，吉尔吉斯共和国内政部道路交通安全总局一份。

项目移交 \_\_\_\_\_  
“\_”\_2021 年。

接收对象 \_\_\_\_\_  
“\_”\_2021 年。

“同意”

吉尔吉斯共和国内政部道路交通安全总局

24

: KM100+200-KM1159+200 59KM

Camp Contract

| 合同 № / _____   | КЕЛИШИМ № / _____  |
|--|--|
| <p><b>Куйручук айылы</b><br/>2021 年 10 月 05 日</p> <p>一方，土地提供者—代表纳伦州，Jumgal 区，Kuiruchuk 村的地区土地协会牧场委员会的主席 Chokoev Kytychbek Osmonovich，与另一方，正在改造 Epkin-Bash-Kaugandy 公路的“中铁五局集团有限公司吉尔吉斯分公司”的项目经理张亮，签订以下合同。</p> <p><b>1. 合同目标</b></p> <p>1.1 土地提供者- Kuiruchuk 村土地委员会分设“Kara-Chiy”牧场 1049 号地划出 1 公顷土地临时给“中铁五局集团有限公司吉尔吉斯分公司”，期限暂定为 3 年，用于为筑路有关的营地建设。若 3 年期限已完，土地提供者同意土地使用者因建设 Epkin - Dyikan [Bashkuugandy] Road(km89+500 - km 159+200)道路的需要继续使用该土地，直至道路建设和缺陷责任维护结束，延长的时间按照每年 100 000 (十万) 索姆支付。</p> <p><b>1. 双方权利及义务</b></p> <p><b>2.1 土地提供者有权</b></p> <ul style="list-style-type: none"> <li>- 土地使用者监督牧场的预期用途;</li> <li>- 监督所提供土地的状况;</li> </ul> <p><b>2.2 土地提供者有义务</b></p> <ul style="list-style-type: none"> <li>- 通知土地使用者关于吉尔吉斯共和国土地的立法变化和增加;</li> <li>- 通知大会议关于土地状况和付款情况;</li> </ul> <p><b>2.3 土地使用者有权</b></p> <ul style="list-style-type: none"> <li>- 为本合同第 1 款规定的目的，根据吉尔吉斯共和国立法规定的限制和规范，依法使用土地资源;</li> <li>- 用于从提供的土地区域排水;</li> <li>- 在合同规定的土地上，按照环境、卫生和消防规范和规则建造非资本性建筑（棚屋，</li> </ul> | <p><b>Куйручук айылы</b><br/>5-октябрь 2021 жыл.</p> <p>Биринчи тараптан жайыт берүүчү - Нарын облусунун Жумгал районунун Куйручук айыл аймагынын жайыт пайдалануучулар биримесинин жайыт комитетинин атынан, анын төрагасы Чокоев Кытычбек Осмонович жана экинчи тараптан Эпкин-Баш Кууганды жолун реконструкциялап жаткан ФКОО “Китайская железнодорожная инженерная групповая компания № 5” атынан проект жетекчиси Чжан Лиан болуп ушул келишимди түздүк.</p> <p><b>1. Келишимдин максаты:</b></p> <p>1.1. Жайыт берүүчү - Куйручук айылдык жайыт комитети, жайытты мал жазуу менен байланышпаган максатта лагерь уюштурууга болжолдуу түрдө 3 жылдык мөөнөткө ФКОО “Китайская железнодорожная инженерная групповая компания № 5” убактылуу пайдаланууга “Кара-Чий” участкагынун №1049 контурунан 2 га жер бөлүп берет; Эгерде 3 жылдык мөөнөт бүтүп калса, жайыт берүүчү жайытты пайдалануучу Эпкин-Дыйкан (Башкууганды)(км89 + 500 км 159 + 200 км) жолун куруу зарылчылыгына байланыштуу жолду куруу жана кесчилдиктер үчүн жоопкерчиликти тейлөө аяктаганга чейин жайытты пайдаланууну улантат берет жана узартылган мөөнөт ар бир жылдык 100 000(жүз миң) сомдон төлөнөт.</p> <p><b>2. Тараптардын укуктары жана милдеттери:</b></p> <p><b>2.1. Жайыт берүүчү төмөнкүлөргө укуктуу:</b></p> <ul style="list-style-type: none"> <li>- жайыт пайдалануучуга жайыттын максаттуу пайдалануусуна көз салууга;- берилген жайыттын абалына мониторинг жүргүзүп турууга;</li> </ul> <p><b>2.2. Жайыт берүүчү төмөнкүлөргө милдеттенет:</b></p> <ul style="list-style-type: none"> <li>- Кыргыз Республикасынын Мыйзамдарындагы жайыттар жөнүндөгү өзгөртүүлөр жана толуктоолор тууралуу жайыт пайдалануучуга билдирип турууга;</li> <li>- жайыттын абалы жана төлөмдөрү тууралуу жалпы чогулушка билдирүүгө;</li> </ul> <p><b>2.3. Жайыт пайдалануучу төмөнкүлөргө укуктуу:</b></p> <ul style="list-style-type: none"> <li>- Кыргыз Республикасынын мыйзамдарына белгиленген чектөөлөргө жана нормаларга ылайык ушул келишимдин 1-пунктунда көрсөтүлгөн максатта көлөмдө жайыт ресурстарын мыйзам чегинде максатка ылайык пайдаланууга;</li> <li>- берилген аянттын ичинен суу чыгарып алууга;</li> <li>- себилген жайыттарга жана түп тамарынан бери жакшыртылган жайыттарга таандык учаскторду</li> </ul> |

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|  |  |
|--|--|
| <p>仓库, 淋浴房, 轻型帐篷), 但属于播种牧场和从根部改良牧场的地块除外;</p> <ul style="list-style-type: none"> <li>- 在提供的土地区域周围的围栏上</li> <li>- 及时支付合同规定的土地费;</li> </ul> <p><b>2.4 土地使用者有义务</b></p> <ul style="list-style-type: none"> <li>- 不要弄丢垃圾和污染土地;</li> <li>- 不要阻碍牲畜饮用水和通道;</li> <li>- 防止土地和水的生物和化学污染, 不侵犯其他土地使用者和邻近土地使用者的利益;</li> <li>- 遵守吉尔吉斯共和国的土地和环境立法;</li> <li>- 不违反用于畜牧业需要的设施的操作条件;</li> <li>- 及时支付合同规定的土地费;</li> <li>- 建设工程结束后向委员会交给住宅等轻型建筑;</li> <li>- 在延迟付款的情况下, 每延迟一天支付未付金额的 0.1%;</li> <li>- 在合同中拒绝使用土地的情况下, 提前 30 天通知土地委员会</li> <li>- 在土地使用结束后, 应将除 150 平方米空的轻型建筑以外的其他使用区域整平。</li> </ul> <p><b>3. 向委员会支付土地使用费的程序和金额:</b></p> <ul style="list-style-type: none"> <li>- 土地使用者向土地提供者每年支付 100,000 (十万) 索姆的土地使用费用。</li> <li>- 本合同结束后, 土地使用者将保留一栋 150 平方米空的轻型建筑 (不包括屋内的家具和电器) 交给土地提供者。其余的设备和建筑在本合同结束后, 由土地使用者拆除运走。</li> <li>- 总金额可以每年分期支付或支付一次。</li> </ul> | <p>кошпогондо келишимдеги корсотулгон жерге экологиялык, санитардык-гигиеналык, өрткө каршы нормаларды жана эрежелерди сактоо менен капиталдык эмес курулуштарды (бастырмаларды, кампаларды, душтарды, жеңил чатырларды) курууга;</p> <ul style="list-style-type: none"> <li>- берилген жер аянттын тегерегин тосуп алууга;</li> <li>- келишимдеги көрсөтүлгөн жайыт акыны өз убагында төлөөгө;</li> </ul> <p><b>2.4. Жайыт пайдалануучунун милдеттери:</b></p> <ul style="list-style-type: none"> <li>- жайыттарга таштандыларды таштабоого жана булгабоого;</li> <li>- мал суу ичүүчү жана мал өтүүчү жерди тоспоого;</li> <li>- жайытты жана сууну биологиялык, химиялык булганышына жол бербөөгө, башка жайыт пайдалануучулардын жана аймактык чектеп жер пайдалануучулардын кызыкчылык-тарын бузбоого;</li> <li>- Кыргыз Республикасынын жер жана жаратылышты коргоо мыйзамдарын сактоого;</li> <li>- мал чарбасынын муктаждыктары үчүн пайдалануучу объектерди эксплуатациялоо шарттарын бузбоого;</li> <li>- келишимдеги корсотулгон жайыт акыны өз убагында толоого;</li> <li>- жол курулушу аяктагандан кийин, жеңил конструкция тибинде курулган турак жайларды жана башка курулуштарды жайыт комитетине өткөрүп берүүгө;</li> <li>- акы төлөө кечиктирилген учурда төлөнө элек суммадан ар бир кечиктирилген күн үчүн 0,1% үстөк төлөөгө;</li> <li>- келишимдеги жерди пайдалануудан баш тарта турган болсо, бул боюнча жайыт комитетине 30 күн мурун билдирүүгө;</li> <li>- Жайыт пайдалануу мооноту аяктагандан кийин 150 чарчы метр бош жеңил курулуштардан башка пайдалануу аймактарын тегиздөө керек.</li> </ul> <p><b>3. Жайыт комитетине жайытты пайдаланганы үчүн акы төлөөнүн тартиби жана суммасы:</b></p> <ul style="list-style-type: none"> <li>- Жайыт пайдалануучу жайытты пайдалангандыгы үчүн жайыт берүүчүгө жылына 100 000 (жүз миң) сом акы төлөйт.</li> <li>- Бул келишим аяктагандан кийин жайыт пайдалануучу 150 чарчы метр бош, жеңил курулуштарды (үйлөгү эмеректерди жана тиричилик электр приборлорун эсепке албаганда) жайыт берүүчүгө калтырат. Калган жабдуулар жана курулуштар жайыт пайдалануучу ушул келишим аяктагандан кийин демонтаждап жана ташып кетүүгө тийиш.</li> <li>- Жалпы сумманы бөлүп-бөлүп же жылына бир жолу төлөсө болот.</li> </ul> |
|--|--|

**4. 不可抗力**

在不可抗力情况下:

- 地震;
- 水灾
- 发生战争时, 双方不承担任何责任;

**5. 其他条款**

- 合同一式三份, 具有同等法律效力;
- 在土地委员会保存一份, 在土地使用者保存一份和在国家注册局保存一份;
- 本合同条款引起的所有争议应通过双方协议或法庭解决。
- 本合同中未规定的责任由吉尔吉斯共和国法律规定。

ФКОО "Китайская железнодорожная инженерная групповая компания №5" в КР  
Юр. дарек: Бишкек ш. Бакинский көч., 26.  
ИНН: 01601201510083  
ОКПО: 28995757  
Банк: «Оптима Банк» ААКнын Бишкек Борбордук филиалы  
р/с: 1091805072660156  
Бик: 109018

Жетекчи  Чжан Лян



**4. Форс-мажордук жагдайлар**

Форс-мажордук жагдайлар болгон учурда:

- жер титирөө;
- сел;
- согуштук окуялар болгон учурда тараптар жооптуу болушпайт.

**5. Көргүндү жоболор.**

Келишим бирдей юридикалык күчкө ээ болгон үч нускада түзүлдү.

Бир нуска жайыт комитетинде, бир нуска жайыт пайдалануучуда, бир нуска мамлекеттик каттоо башкармасында сакталат.

Бул келишимдин шарттарынан келип чыккан бардык талаштар өз ара сүйлөшүү жолу менен, болбосо сот аркылуу чечилет.

Келишимде каралбаган жоопкерчиликтер Кыргыз Республикасынын мыйзамдары менен жөнгө салынат.

Куйручтук айылдык жайыт комитети.

Адрес: Бейшеналин көчөсү 9.

ИНН 00412200910194

ОКПО 26731793

Рег. № СФКР 1066

БНК (МФО) 129028

Дебет счет № 1290283230038264

 Тержан Чокоев К.О.





## ANNEX 2

### 2. Laboratory test outcomes of atmospheric air quality samples

**МИНИСТЕРСТВО ЗДРАВООХРАНЕНИЯ КЫРГЫЗСКОЙ РЕСПУБЛИКИ  
ДЕПАРТАМЕНТ ПРОФИЛАКТИКИ ЗАБОЛЕВАНИЙ ГОССАНЭПИДНАДЗОРА**

**ЦЕНТР ЛАБОРАТОРНЫХ ИСПЫТАНИЙ  
ЛАБОРАТОРИЯ ХИМИКО-АНАЛИТИЧЕСКИХ ИССЛЕДОВАНИЙ**  
Адрес: 720033, г. Бишкек, ул. Фрунзе, 535 Телефон: (996312) 32-31-95, 32-32-08, факс 323214

ИЗВЕЩЕНИЕ № 17/2022  
№ КС 417/2022 ИЛ.058  
От: 06.05.2022 г.  
Область аккредитации  
на сайте: [www.ils.gov.kg](http://www.ils.gov.kg)  
\*указанный метод вне  
области аккредитации

**ПРОТОКОЛ ЛАБОРАТОРНЫХ ИСПЫТАНИЙ**

№ 18 Вэ от « 03 » 06 2022г.

Место отбора проб воздуха: Нарынская обл. Жумгалский р-н, с/о Тугол-Сай  
наименование объекта, адрес, цех, участок, отделение

помещение, здание, комната, класс и др.

Цель отбора: Санитарно-гигиеническая оценка  
НД, согласно которой произведен отбор:  
Руководство по контролю загрязнения атмосферы.

|  |  |                |                      |
|--|--|----------------|----------------------|
| Дата и время отбора:   | <u>27.05</u>   | доставки       | <u>27.05</u>         |
| Условия транспортировки:   |  | хранения       |                      |
| Дата проведения исследований:  | <u>31.05-02.06.2022г</u>                               |                |                      |
| Температура окружающей среды при проведении испытаний, °С  |  |                |                      |
| Средства измерений, применяемые при отборе:  | <u>Аспиратор, психрометр</u>                           |                |                      |
| Свидетельство №1005 срок до 31.03.2023года модель 822№1734.МВ-4 №2640 до 19.04.2023г   |  |                |                      |
| Наименование помещения:  |  |                |                      |
| площадь  | <u>м<sup>2</sup></u>                                   | кубатура       | <u>м<sup>3</sup></u> |
| количество работающих  |  | условия отбора |                      |
| окна открыты, закрыты и др.  |  |                |                      |
| Характеристика технологического процесса: % работающего оборудования   |  |                |                      |
| , режим  |  |                |                      |
| наличие ручных операций  |  |                |                      |
| основные источники загрязнения:  | <u>Пыль, диоксид азота, оксид серы, оксид углерода</u> |                |                      |
| Эскиз помещения (территории, площадки, рабочего места и др.) с указанием источников загрязнения и точек отбора проб воздуха (порядковые номера точек отбора (прилагается). |  |                |                      |

Эколог: Нурдинов Н  
Должность, Ф.И.О. представителя обследуемого объекта, присутствующего при отборе воздуха

Подпись

Результаты испытаний

| Номера точек отбора по сектору | Точка отбора проб                            | Условия отбора воздуха помещений     |                         |           |               |            |                         |                  |                          |                                       |   |             | Результат испытаний, мг/м³  |  | Методика выполнения исследования |
|--------------------------------|--|--------------------------------------|-------------------------|-----------|---------------|------------|-------------------------|------------------|--------------------------|---------------------------------------|---|-------------|---|--|----------------------------------|
|                                |  | метеоданные                          |                         |           | расстояние, м |            | время отбора, час. мин. |                  | скорость движения, д/мин | Наименование определяемого показателя | обнаруженные концентрации с учетом неопределенности | ПДК*, мг/м³ |   |  |                                  |
|                                |  | температура, °С показания термометра | относительная влажность | влажность | от пола       | от потолка | начало                  | окончание        |                          |                                       |   |             |   |  |                                  |
|                                |  |                                      |                         |           |               |            |                         |                  | сухом                    | влажном                               |   |             |   |  |                                  |
| 3                              | 4  | 5                                    | 6                       | 7         | 8             | 9          | 10                      | 11               | 12                       | 13                                    | 14  | 15          |   |  |                                  |
| 1                              | С.Тутол-Сай западная сторона магазина Кутман | 28                                   | 15,5                    | 25        |               | 1,5 метра  | 15 <sup>00</sup>        | 15 <sup>10</sup> |                          | (CO)<br>*Оксид углерода               | 0,3<br>0,3<br>0,3                                   | 20          | *ГАНК-4   |  |                                  |
|                                | С.Тутол-Сай западная сторона магазина Кутман | 28                                   | 15,5                    | 25        |               | 1,5 метра  | 15 <sup>15</sup>        | 15 <sup>25</sup> |                          | (SO2)<br>*Оксид серы                  | 1,0<br>1,0<br>1,0                                   | 10          | *ГАНК-4   |  |                                  |
|                                | С.Тутол-Сай западная сторона магазина Кутман | 28                                   | 15,5                    | 25        |               | 1,5 метра  | 15 <sup>30</sup>        | 15 <sup>30</sup> | 20                       | Пыль                                  | 2,5±0,6<br>2,1±0,5                                  | 2           | СБ МУ и ТУ методы измерения концентрации вредных веществ в воздухе 4.2 стр 13 |  |                                  |
| 2                              | С.Тутол-Сай западная сторона магазина Кутман | 28                                   | 15,5                    | 25        |               | 1,5 метра  | 16 <sup>00</sup>        | 16 <sup>05</sup> | 0,2                      | Пары диоксида азота                   | <0,6<br><0,6  | 2           | СБ МУ на определение вредных веществ в воздухе стр 69                         |  |                                  |
|                                | С.Тутол-Сай Северо-Восточная АБЗ и ДСУ       | 26                                   | 16                      | 34        |               | 1,5 метра  | 17 <sup>00</sup>        | 17 <sup>10</sup> |                          | (CO)<br>*Оксид углерода               | 0,5<br>0,4<br>0,4                                   | 20          | *ГАНК-4   |  |                                  |
|                                | С.Тутол-Сай Северо-Восточная АБЗ и ДСУ       | 26                                   | 16                      | 34        |               | 1,5 метра  | 17 <sup>15</sup>        | 17 <sup>25</sup> |                          | (SO2)<br>*Оксид серы                  | 1,0<br>1,0<br>1,0                                   | 10          | *ГАНК-4   |  |                                  |
|                                | С.Тутол-Сай Северо-Восточная АБЗ и ДСУ       | 26                                   | 16                      | 34        |               | 1,5 метра  | 17 <sup>30</sup>        | 17 <sup>35</sup> | 20                       | Пыль                                  | <0,5<br><0,5  | 2           | СБ МУ и ТУ методы измерения концентрации вредных веществ в воздухе 4.2 стр 13 |  |                                  |

|   |  |         |      |      |    |              |                  |                  |     |                         |                    |    |  |
|---|--|---------|------|------|----|--------------|------------------|------------------|-----|-------------------------|--------------------|----|--|
|   | С.Тутол-Сай<br>Северо-Восточная<br>АБЗ и ДСУ | сторона | 26   | 16   | 34 | 1,5<br>метра | 18 <sup>00</sup> | 18 <sup>30</sup> | 0,2 | Пары двуокиси<br>азота  | <0,6<br><0,6       | 10 | СБ МУ на определение<br>продвижения<br>«Мерфилайт», стр.60                               |
| 3 | С.Куярчук возле<br>Магазина Азамат           |         | 33,5 | 23,0 | 41 | 1,5<br>метра | 18 <sup>00</sup> | 18 <sup>30</sup> |     | (CO)<br>*Оксид углерода | 0,6<br>0,4<br>0,4  | 20 | *ГАНК-4  |
|   | С.Куярчук возле<br>магазина Азамат           |         | 33,5 | 23,0 | 41 | 1,5<br>метра | 18 <sup>15</sup> | 18 <sup>45</sup> |     | (SO2)<br>*Оксид серы    | 1,4<br>1,3<br>1,3  | 10 | *ГАНК-4  |
|   | С.Куярчук возле<br>магазина Азамат           |         | 33,5 | 23,0 | 41 | 1,5<br>метра | 18 <sup>00</sup> | 19 <sup>00</sup> | 20  | Пыль                    | 2,6±0,6<br>2,1±0,5 | 2  | СБ МУ и ТУ методы<br>измерения концентрации<br>вредных веществ *<br>в воздухе 4.2 стр.13 |
| 4 | С.Кірүчук<br>Магазин Азамат                  |         | 33,5 | 23,0 | 41 | 1,5<br>метра | 19 <sup>00</sup> | 19 <sup>10</sup> | 0,2 | Пары двуокиси<br>азота  | <0,6<br><0,6       | 2  | СБ МУ на определение<br>продвижения<br>«Мерфилайт», стр.60                               |
|   | С.Жумгал возле школы                         |         | 24   | 15   | 37 | 1,5<br>метра | 19 <sup>00</sup> | 19 <sup>15</sup> |     | (CO)<br>*Оксид углерода | 1,0<br>0,7<br>0,7  | 20 | *ГАНК-4  |
|   | С.Жумгал возле школы                         |         | 24   | 15   | 37 | 1,5<br>метра | 19 <sup>15</sup> | 19 <sup>15</sup> |     | (SO2)<br>*Оксид серы    | 1,4<br>1,3<br>1,3  | 10 | *ГАНК-4  |
|   | С.Жумгал возле школы                         |         | 24   | 15   | 37 | 1,5<br>метра | 19 <sup>00</sup> | 19 <sup>00</sup> | 20  | Пыль                    | <0,5<br><0,5       | 2  | СБ МУ и ТУ методы<br>измерения концентрации<br>вредных веществ *<br>в воздухе 4.2 стр.13 |

Страница 3 из 4

|                     |    |    |    |          |                  |                  |     |                         |       |   |   |
|---------------------|----|----|----|----------|------------------|------------------|-----|-------------------------|-------|---|---|
| СЖУмгал возле школы | 24 | 15 | 37 | 1,5метра | 19 <sup>55</sup> | 20 <sup>00</sup> | 0,2 | Пыль дорожная<br>долога | < 0,6 | 2 | СБ МУ на территории<br>«Мерфиот», стр 6/9 |
|---------------------|----|----|----|----------|------------------|------------------|-----|-------------------------|-------|---|---|

• Прелег допустимой концентрации в соответствии приложением №18 ПП КР №201 от 11.04.2016 г. ГН: "Предельно-допустимые концентрации вредных веществ в воздухе рабочей зоны"

Сообщаемая расширенная неопределенность измерения указывается как суммарная стандартная неопределенность измерения, умноженная на коэффициент охвата k=2, обеспечивающий доверительную вероятность 95%. Небольшая неопределенность указана с учетом отбора пробы.

Одобрившая по испытанию:

Андреева Г.А

Заведующий ЛУХАН ЦПИ :

Асанова Г.А



Примечание: Результаты испытаний относятся к объекту А. Протокол от имени выдан отделе. Спецификацией отделе не предусмотрена. Настоящий документ не может быть частично или полностью воспроизведен, тиражирован или опубликован без разрешения ЛУХАН ЦПИ.

КОНЕЦ ПРОТОКОЛА

Заключение врача:

По результатам лабораторных исследований и осмотра  
состояние здоровья ребенка не соответствует требованиям  
работной зоны не превышает АЗК в воздухе

Основание: Приложение № 19 АЗК Р №01 от 11.04.62.

*[Handwritten signature]*



Арзубаев Н.С.

Подпись санитарного врача:

### 3. Laboratory test outcomes of water samples

МИНИСТЕРСТВО ЗДРАВООХРАНЕНИЯ КЫРГЫЗСКОЙ РЕСПУБЛИКИ  
 ДЕПАРТАМЕНТ ПРОФИЛАКТИКИ ЗАБОЛЕВАНИЙ И  
 ГОСУДАРСТВЕННОГО САНИТАРНО-ЭПИДЕМИОЛОГИЧЕСКОГО НАДЗОРА  
 АККРЕДИТОВАННАЯ ЛАБОРАТОРИЯ ХИМИКО-АНАЛИТИЧЕСКИХ ИССЛЕДОВАНИЙ  
 Адрес: 720033, г. Бишкек, ул. Фрунзе, 535, факс 32-32-14, телефон: (996312) 32-31-98

ПРОТОКОЛ  
 лабораторных исследований воды

№ 105В от « 21 » июня 2022 г.

Заявитель ОСЭЭ и У № 494  
 Место отбора пробы Вода из речки Тугол-Сай, правая сторона  
 Дата отбора пробы 30.05.2022г  
 Дата получения пробы 30.05.2022г  
 Дата проведения испытаний с « 30 » мая 2022 г по « 21 » июня 2022г

НД на продукцию -1. «Правила охраны поверхностных вод КР. Утверждены ПП КР от 14 марта 2016 года № 128  
 2. Гигиенические нормативы «Предельно доп. Кон.хим. веществ в воде водных объектов хоз.- пит. и культ. – бытового водопользования. Утв. ПП КР от 11 апреля 2016г № 201.

| ОПРЕДЕЛЯЕМЫЕ ПОКАЗАТЕЛИ, ЕДИНИЦЫ ИЗМЕРЕНИЯ | РЕЗУЛЬТАТЫ ИСПЫТАНИЙ | ПДК (норма)   | НД на методы испытаний  |
|--|----------------------|---------------|---|
| Мутность, мг/дм <sup>3</sup>               | 0,3 ± 0,06           |               | ГОСТ 3351- 74   |
| Нефтепродукты, мг/дм <sup>3</sup>          | 0,1                  | 0,3           | Методы определения вредных веществ в воде водоемов. Медицина. утв. №16 от 25.04.2000г |
| Взвешенное вещество, мг/дм <sup>3</sup>    | 60,8                 | не более 0,75 |   |

ИСПЫТАНИЯ ПРОВОДИЛИ:

Врачи ЛХАИ:  
 Асаналиева Р.Ш. *AS*  
 Жумалиева Ж.Ш. *ЖШ*

Заведующая лаборатории химико - аналитических исследований



Асанова Г.

ПРИМЕЧАНИЕ: РЕЗУЛЬТАТЫ ИСПЫТАНИЙ ОТНОСЯТСЯ ТОЛЬКО К ПРОБАМ, ПРЕДСТАВЛЕННЫМ В ЛХАИ ЗАКАЗЧИКОМ. ОТБОР ПРОБ ПРОИЗВЕДЕН ЗАКАЗЧИКОМ. ЛХАИ НЕ НЕСЕТ ОТВЕТСТВЕННОСТИ ЗА ОТБОР ПРОБ. НАСТОЯЩИЙ ДОКУМЕНТ НЕ МОЖЕТ БЫТЬ ЧАСТИЧНО ИЛИ ПОЛНОСТЬЮ ВОСПРОИЗВЕДЕН (СКОПИРОВАН ИЛИ ПЕРЕПЕЧАТАН) БЕЗ РАЗРЕШЕНИЯ ЛХАИ

**МИНИСТЕРСТВО ЗДРАВООХРАНЕНИЯ КЫРГЫЗСКОЙ РЕСПУБЛИКИ**  
**ДЕПАРТАМЕНТ ПРОФИЛАКТИКИ ЗАБОЛЕВАНИЙ И**  
**ГОСУДАРСТВЕННОГО САНИТАРНО-ЭПИДЕМИОЛОГИЧЕСКОГО НАДЗОРА**  
**АККРЕДИТОВАННАЯ ЛАБОРАТОРИЯ ХИМИКО-АНАЛИТИЧЕСКИХ ИССЛЕДОВАНИЙ**

Адрес: 720033, г. Бишкек, ул. Фрунзе, 535, факс 32-32-14, телефон: (996312) 32-31-98

**ПРОТОКОЛ**  
**лабораторных исследований воды**



№ 106В от « 21 » июня 2022 г.

Заявитель ОСЭЭ и У № 494  
 Место отбора пробы Вода из ирригационного канала км. 141+874 с. Куйручук  
 Дата отбора пробы 30.05.2022г  
 Дата получения пробы 30.05.2022г  
 Дата проведения испытаний с « 30 » мая 2022 г по « 21 » июня 2022г

НД на продукцию -1. «Правила охраны поверхностных вод КР. Утверждены ПП КР от 14 марта 2016 года № 128  
 2. Гигиенические нормативы «Предельно доп. Кон.хим. веществ в воде водных объектов хоз.- пит. и культ.- бытового водопользования. Утв. ПП КР от 11 апреля 2016г № 201.

| ОПРЕДЕЛЯЕМЫЕ ПОКАЗАТЕЛИ, ЕДИНИЦЫ ИЗМЕРЕНИЯ | РЕЗУЛЬТАТЫ ИСПЫТАНИЙ | ПДК (норма)   | НД на методы испытаний  |
|--|----------------------|---------------|---|
| Мутность, мг/дм <sup>3</sup>               | 0,3 ± 0,06           |               | ГОСТ 3351- 74   |
| Нефтепродукты, мг/дм <sup>3</sup>          | 0,07                 | 0,3           | Методы определения вредных веществ в воде водоемов. Медицина. утв. №16 от 25.04.2000г |
| Взвешенное вещество, мг/дм <sup>3</sup>    | 82,4                 | не более 0,75 |   |

**ИСПЫТАНИЯ ПРОВОДИЛИ:**

Врачи ЛХАИ:  
 Асаналиева Р.Ш.   
 Жумалиева Ж.Ш. 

Заведующая лаборатории химико - аналитических исследований

  
 Асанова Г.

ПРИМЕЧАНИЕ: РЕЗУЛЬТАТЫ ИСПЫТАНИЙ ОТНОСЯТСЯ ТОЛЬКО К ПРОБАМ, ПРЕДСТАВЛЕННЫМ В ЛХАИ ЗАКАЗЧИКОМ. ОТБОР ПРОБ ПРОИЗВЕДЕН ЗАКАЗЧИКОМ. ЛХАИ НЕ НЕСЕТ ОТВЕТСТВЕННОСТИ ЗА ОТБОР ПРОБ. НАСТОЯЩИЙ ДОКУМЕНТ НЕ МОЖЕТ БЫТЬ ЧАСТИЧНО ИЛИ ПОЛНОСТЬЮ ВОСПРОИЗВЕДЕН (СКОПИРОВАН ИЛИ ПЕРЕПЕЧАТАН) БЕЗ РАЗРЕШЕНИЯ ЛХАИ  
 - конец протокола-

МИНИСТЕРСТВО ЗДРАВООХРАНЕНИЯ КЫРГЫЗСКОЙ РЕСПУБЛИКИ  
 ДЕПАРТАМЕНТ ПРОФИЛАКТИКИ ЗАБОЛЕВАНИЙ И  
 ГОСУДАРСТВЕННОГО САНИТАРНО-ЭПИДЕМИОЛОГИЧЕСКОГО НАДЗОРА  
 АККРЕДИТОВАННАЯ ЛАБОРАТОРИЯ ХИМИКО-АНАЛИТИЧЕСКИХ ИССЛЕДОВАНИЙ

Адрес: 720033, г. Бишкек, ул. Фрунзе, 535, факс 32-32-14, телефон: (996312) 32-31-98

ПРОТОКОЛ  
 лабораторных исследований воды

№ 107В от « 21 » июня 2022 г.

Заявитель ОСЭЭ и У № 494  
 Место отбора пробы Вода из БСР км.140+600 с. Куйручук  
 Дата отбора пробы 30.05.2022г  
 Дата получения пробы 30.05.2022г  
 Дата проведения испытаний с « 30 » мая 2022 г по « 21 » июня 2022г

НД на продукцию -1. «Правила охраны поверхностных вод КР. Утверждены ПП КР от 14 марта 2016 года № 128  
 2. Гигиенические нормативы «Предельно доп. Кон.хим. веществ в воде водных объектов хоз.- пит. и культ. -бытового водопользования. Утв. ПП КР от 11 апреля 2016г № 201.

| ОПРЕДЕЛЯЕМЫЕ ПОКАЗАТЕЛИ, ЕДИНИЦЫ ИЗМЕРЕНИЯ | РЕЗУЛЬТАТЫ ИСПЫТАНИЙ | ПДК (норма)   | НД на методы испытаний  |
|--|----------------------|---------------|---|
| Мутность, мг/дм <sup>3</sup>               | 1,5 ± 0,3            |               | ГОСТ 3351- 74   |
| Нефтепродукты, мг/дм <sup>3</sup>          | 0,07                 | 0,3           | Методы определения вредных веществ в воде водоемов. Медицина. утв. №16 от 25.04.2000г |
| Взвешенное вещество, мг/дм <sup>3</sup>    | 68,4                 | не более 0,75 |   |

ИСПЫТАНИЯ ПРОВОДИЛИ:

Врачи ЛХАИ:

Асаналиева Р.Ш.

Жумалиева Ж.Ш.

Заведующая лаборатории химико - аналитических исследований



Асанова Г.

ПРИМЕЧАНИЕ: РЕЗУЛЬТАТЫ ИСПЫТАНИЙ ОТНОСЯТСЯ ТОЛЬКО К ПРОБАМ, ПРЕДСТАВЛЕННЫМ В ЛХАИ ЗАКАЗЧИКОМ. ОТБОР ПРОБ ПРОИЗВЕДЕН ЗАКАЗЧИКОМ. ЛХАИ НЕ НЕСЕТ ОТВЕТСТВЕННОСТИ ЗА ОТБОР ПРОБ. ПЯСТОЯЩИЙ ДОКУМЕНТ НЕ МОЖЕТ БЫТЬ ЧАСТИЧНО ИЛИ ПОЛНОСТЬЮ ВОСПРОИЗВЕДЕН (СКОПИРОВАН ИЛИ ПЕРЕПЕЧАТАН) БЕЗ РАЗРЕШЕНИЯ ЛХАИ

#### 4. Vibration impact test outcomes



ISO/IEC 17025  
№ КС 417/КСА.Н.Л.069  
От: 31.05.2021 г.  
Область аккредитации  
на сай: www.ksa.gov.kg

ОсОО «ПрофиЛаб»  
г. Бишкек,  
ул. Тоголок-Молдо, 60\*  
каб. 319. тел.0312325067  
сот. 0701005051  
e-mail: profilab.ltd@mail.ru

### ПРОТОКОЛ ИЗМЕРЕНИЯ ВИБРАЦИИ

№ 07 от «30» мая 2022г.

1. Юридическое лицо, индивидуальный предприниматель или физическое лицо, где производятся измерения, адрес: ФКО «Китайская железнодорожная инженерная групповая компания №5» в КР. Нарынская область, Жумгалекний и Кочкорки район.
2. Объект, где производятся измерения: Автомобильная дорога Жумгал-Кочкор км 89+500 с. Энкин-км 159+200 Дыйкан  
(наименование, фактический адрес)
3. Основание для проведения измерения: Договор №94

4. Наименование средств измерений и сведения о калибровке измеряемого прибора:

| Наименование средства измерения | Номер       | Свидетельство о поверке |               | Поверено до |
|---------------------------------|-------------|-------------------------|---------------|-------------|
|                                 |             | номер                   | дата          |             |
| Экофизика - 110А                | № АВ 130044 | № 0053                  | 15.03.2022 г. | 12 месяцев  |

5. Нормативная документация на методы измерений, в соответствии с которой проводились измерения: ГОСТ 31319-2006 «Вибрация. Измерение общей вибрации и оценка ее воздействия на человека.

6. Источники физических факторов и их характеристики: Транспортный поток.

7. Условие окружающей среды: Температура: 28 °С

Влажность: 26%

Атмосферная давления: 606 мм рт.ст.

8. Эскиз помещения:



Места где были произведены замеры. Контрольная точка –

9. Дата произведение измерения: «27» мая 2022 г. ☆

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Результаты измерений:

| №   | Место измерений | Вид вибрации    |                      |                |           | Уровни звукового давления в дБ в октавных полосах со среднегеометрическими частотами в Гц |    |    |    |      |    | Корректированные и эквивалентные корректированные значения и их уровни |                  |
|---|-----------------|-----------------|----------------------|----------------|-----------|---|----|----|----|------|----|--|------------------|
|   |                 | Общая           |                      |                | Локальная | 2   | 4  | 8  | 16 | 31,5 | 63 | Частотная коррекция $W_m$ (дБ)   |                  |
|   |                 | Трансверсальная | Продольно-поперечная | Тангенциальная |           |   |    |    |    |      |    |  |                  |
| 1   | 2               | 3               | 4                    | 5              | 6         | 7   | 8  | 9  | 10 | 11   | 12 | 13   | 14               |
| <b>с. Тугол Сай, рядом с магазином «Кутман» южная сторона дороги 151+000км. Время 13:11</b> |                 |                 |                      |                |           |   |    |    |    |      |    |  |                  |
| <b>Широта: 41°58'56; долгота: 74°49'49''.</b>   |                 |                 |                      |                |           |   |    |    |    |      |    |  |                  |
| 1   | Leq             |                 |                      |                |           | 91  | 87 | 84 | 63 | 62   | 62 | 90,4   | Уровень вибрации |
|   | Slow max        |                 |                      | +              |           |   |    |    |    |      |    | 96,5   | Макс. уровень    |
| <b>Северо-восточная сторона АБЗ и ДСУ. с. Тугол-Сай 149+000. Время 13:53</b>                |                 |                 |                      |                |           |   |    |    |    |      |    |  |                  |
| <b>Широта: 41° 59'33''; Долгота: 74°45'51''.</b>  |                 |                 |                      |                |           |   |    |    |    |      |    |  |                  |
| 2   | Leq             |                 |                      |                |           | 92  | 89 | 86 | 83 | 59   | 60 | 88   | Уровень вибрации |
|   | Slow max        |                 |                      | +              |           |   |    |    |    |      |    | 94   | Макс. уровень    |
| <b>с. Куйручук, рядом с магазином «Азамат» западная сторона км 144+000. Время 14:17</b>     |                 |                 |                      |                |           |   |    |    |    |      |    |  |                  |
| <b>Широта: 42° 1'30; долгота: 74°58'35''.</b>   |                 |                 |                      |                |           |   |    |    |    |      |    |  |                  |
| 3   | Leq             |                 |                      |                | +         | 95  | 92 | 89 | 86 | 61   | 60 | 95   | Уровень вибрации |
|   | Slow max        |                 |                      |                |           |   |    |    |    |      |    | 101  | Макс. уровень    |
| <b>с. Жумгал, рядом со школой на дороге. Левая сторона, км- 129+400. Время 15:03</b>        |                 |                 |                      |                |           |   |    |    |    |      |    |  |                  |
| <b>Широта: 42° 42'33; долгота: 75°50'44''.</b>  |                 |                 |                      |                |           |   |    |    |    |      |    |  |                  |
| 4   | Leq             |                 |                      |                | +         | 97  | 94 | 90 | 87 | 61   | 61 | 97   | Уровень вибрации |
|   | Slow max        |                 |                      |                |           |   |    |    |    |      |    | 102  | Макс. уровень    |
| <b>с. Тугол Сай, рядом с магазином «Кутман» южная сторона дороги 151+000км. Время 15:41</b> |                 |                 |                      |                |           |   |    |    |    |      |    |  |                  |
| <b>Широта: 41°58'56; долгота: 74°49'49''.</b>   |                 |                 |                      |                |           |   |    |    |    |      |    |  |                  |
| 5   | Leq             |                 |                      |                | +         | 92  | 88 | 84 | 64 | 63   | 63 | 91   | Уровень вибрации |
|   | Slow max        |                 |                      |                |           |   |    |    |    |      |    | 97   | Макс. уровень    |
| <b>Северо-восточная сторона АБЗ и ДСУ. с. Тугол-Сай 149+000. Время 16:03</b>                |                 |                 |                      |                |           |   |    |    |    |      |    |  |                  |
| <b>Широта: 41° 59'33''; Долгота: 74°45'51''.</b>  |                 |                 |                      |                |           |   |    |    |    |      |    |  |                  |
| 6   | Leq             |                 |                      |                | +         | 90  | 87 | 83 | 65 | 61   | 60 | 89   | Уровень вибрации |
|   | Slow max        |                 |                      |                |           |   |    |    |    |      |    | 95   | Макс. уровень    |


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Результаты измерений:



| №   | Место измерений | Вид вибрации  |                             |                |           | Уровни звукового давления в дБ в октавных полосах со среднегеометрическими частотами в Гц |    |    |    |      |    | Корректированные и эквивалентные корректированные значения и их уровни |                  |
|---|-----------------|---------------|-----------------------------|----------------|-----------|---|----|----|----|------|----|--|------------------|
|   |                 | Общая         |                             |                | Локальная | 2   | 4  | 8  | 16 | 31,5 | 63 | Частотная коррекция W <sub>н</sub> (дБ)                                |                  |
|   |                 | Трехсторонняя | Трехсторонне-геометрическая | Геометрическая |           |   |    |    |    |      |    |  |                  |
| 1   | 2               | 3             | 4                           | 5              | 6         | 7   | 8  | 9  | 10 | 11   | 12 | 13   | 14               |
| <b>с. Куйручук, рядом с магазином "Азамат" западная сторона км 144+000. Время 16:20</b>     |                 |               |                             |                |           |   |    |    |    |      |    |  |                  |
| <b>Широта: 42° 1'30"; долгота: 74°58'35".</b>   |                 |               |                             |                |           |   |    |    |    |      |    |  |                  |
| 7   | Leq             |               |                             |                |           | 95  | 93 | 90 | 67 | 61   | 60 | 96   | Уровень вибрации |
|   | Slow max        |               |                             | +              |           |   |    |    |    |      |    | 102  | Макс. уровень    |
| <b>с. Жумгал, рядом со школой на дороге. Левая сторона, км- 129+400. Время 16:42</b>        |                 |               |                             |                |           |   |    |    |    |      |    |  |                  |
| <b>Широта: 42° 42'33"; долгота: 75°50'44".</b>  |                 |               |                             |                |           |   |    |    |    |      |    |  |                  |
| 8   | Leq             |               |                             |                |           | 96  | 90 | 91 | 67 | 62   | 61 | 97   | Уровень вибрации |
|   | Slow max        |               |                             | +              |           |   |    |    |    |      |    | 102  | Макс. уровень    |
| <b>с. Тугол Сай, рядом с магазином «Кутман» южная сторона дороги 151+000км. Время 17:11</b> |                 |               |                             |                |           |   |    |    |    |      |    |  |                  |
| <b>Широта: 41°58'56"; долгота: 74°49'49".</b>   |                 |               |                             |                |           |   |    |    |    |      |    |  |                  |
| 9   | Leq             |               |                             | +              |           | 92  | 86 | 87 | 62 | 60   | 57 | 93   | Уровень вибрации |
|   | Slow max        |               |                             |                |           |   |    |    |    |      |    | 99   | Макс. уровень    |
| <b>Северо-восточная сторона АБЗ и ДСУ. с. Тугол-Сай 149+000. Время 17:43</b>                |                 |               |                             |                |           |   |    |    |    |      |    |  |                  |
| <b>Широта: 41° 59'33"; Долгота: 74°45'51".</b>  |                 |               |                             |                |           |   |    |    |    |      |    |  |                  |
| 10  | Leq             |               |                             | +              |           | 88  | 85 | 87 | 58 | 55   | 52 | 90   | Уровень вибрации |
|   | Slow max        |               |                             |                |           |   |    |    |    |      |    | 96   | Макс. уровень    |
| <b>с. Куйручук, рядом с магазином "Азамат" западная сторона км 144+000. Время 18:17</b>     |                 |               |                             |                |           |   |    |    |    |      |    |  |                  |
| <b>Широта: 42° 1'30"; долгота: 74°58'35".</b>   |                 |               |                             |                |           |   |    |    |    |      |    |  |                  |
| 11  | Leq             |               |                             | +              |           | 96  | 92 | 90 | 68 | 62   | 62 | 96   | Уровень вибрации |
|   | Slow max        |               |                             |                |           |   |    |    |    |      |    | 103  | Макс. уровень    |
| <b>с. Жумгал, рядом со школой на дороге. Левая сторона, км- 129+400. Время 18:47</b>        |                 |               |                             |                |           |   |    |    |    |      |    |  |                  |
| <b>Широта: 42° 42'33"; долгота: 75°50'44".</b>  |                 |               |                             |                |           |   |    |    |    |      |    |  |                  |
| 12  | Leq             |               |                             | +              |           | 98  | 94 | 92 | 69 | 62   | 64 | 98   | Уровень вибрации |
|   | Slow max        |               |                             |                |           |   |    |    |    |      |    | 103  | Макс. уровень    |

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## 5. Noise impact test outcomes



**ПРОФИЛАБ**  
оперативная лаборатория

ISO 9001:2015  
№ КС 417/ЖПА.И.Л.045  
От: 31.05.2021 г.  
ОБЛАСТЬ АККОРДАНТЕН

**ОсОО «ПрофиЛаб»**  
г. Бишкек,  
ул. Тоголок-Молдо, 60\*  
каб. 319. тел.0312325067  
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**ПРОТОКОЛ ИЗМЕРЕНИЯ ШУМА**  
№ 12 от «30» мая 2022г.

1. Юридическое лицо, индивидуальный предприниматель или физическое лицо, где производится измерения, адрес: ФКО «Китайская железнодорожная инженерная групповая компания №5» в КР. Нарынская область, Жумгалский и Кочкорки район.
2. Объект, где производится измерения: Автодорога Жумгал-Кочкор км 89+500 с. Эпкин- км 159+200 Дыйкан  
(наименование, фактический адрес)
3. Основание для проведения измерения: Договор №94
4. Наименование средств измерений и сведения о калибровке измеряемого прибора:

| Наименование средства измерения | Номер       | Сертификат о калибровке |               | Межкалибровочный интервал |
|---------------------------------|-------------|-------------------------|---------------|---------------------------|
|                                 |             | номер                   | Дата          |                           |
| Экофизика - 110А                | № АВ 130044 | № 0053                  | 15.03.2022 г. | 12 месяцев                |

5. Нормативная документация, в соответствии с которой проводились измерения:  
ГОСТ 23337-2014 Шум. Методы измерения шума на селитебной территории и в помещениях жилых и общественных зданий.
- ГОСТ 20444-2014. Транспортные потоки. Методы определения шумовой характеристики.
6. Условия окружающей среды: Температура: 28 °С  
Влажность: 26%  
Атмосферная давления: 606 мм рт.ст.
7. Источники физических факторов и их характеристики: Транспортный поток.
8. Эскиз:



Места где были произведены замеры. Контрольная точка – ☆

9. Дата произведение измерения: «27» мая 2022 г.

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Результаты измерений:

| №   | Место измерений | Характер шума |        |              |         |             |            | Уровни звукового давления в дБ в октавных полосах со среднегеометрическими частотами в Гц |    |     |     |     |      |      |      | Уровень звука (дБА) |         |
|---|-----------------|---------------|--------|--------------|---------|-------------|------------|---|----|-----|-----|-----|------|------|------|---------------------|---------|
|   |                 | По спектру    |        | По временным |         |             |            | 31,5  | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 |                     | 8000    |
|   |                 | Широкосп.     | Тонкий | Постоянный   | Кол.бл. | Прерывистый | Импульсный |   |    |     |     |     |      |      |      |                     |         |
| 3   | 4               | 5             | 6      | 7            | 8       | 9           | 10         | 11  | 12 | 13  | 14  | 15  | 16   | 17   | 18   |                     |         |
| <b>с. Тугол Сай, рядом с магазином «Кутман» южная сторона дороги 151+000км. Время 13:06</b> |                 |               |        |              |         |             |            |   |    |     |     |     |      |      |      |                     |         |
| <b>Широта: 41°58'56; долгота: 74°49'49". Фоновый уровень шума.</b>                          |                 |               |        |              |         |             |            |   |    |     |     |     |      |      |      |                     |         |
| 1   | Leq             |               |        |              |         |             |            | 57  | 65 | 60  | 58  | 56  | 53   | 48   | 49   | 39                  | 58факт  |
|   | Slow max        |               |        |              |         |             |            |   |    |     |     |     |      |      |      |                     | 68      |
| <b>Северо-восточная сторона АБЗ и ДСУ, с. Тугол-Сай 149+000. Время 13:48</b>                |                 |               |        |              |         |             |            |   |    |     |     |     |      |      |      |                     |         |
| <b>Широта: 41° 59'33"; Долгота: 74°45'51". Фоновый уровень шума.</b>                        |                 |               |        |              |         |             |            |   |    |     |     |     |      |      |      |                     |         |
| 2   | Leq             |               |        |              |         |             |            | 55  | 58 | 53  | 52  | 52  | 45   | 41   | 38   | 37                  | 53 факт |
|   | Slow max        |               |        |              |         |             |            |   |    |     |     |     |      |      |      |                     | 64      |
| <b>с. Куйручук, рядом с магазином "Азамат" западная сторона км 144+000. Время 14:12</b>     |                 |               |        |              |         |             |            |   |    |     |     |     |      |      |      |                     |         |
| <b>Широта: 42° 1'30; долгота: 74°58'35". Фоновый уровень шума.</b>                          |                 |               |        |              |         |             |            |   |    |     |     |     |      |      |      |                     |         |
| 3   | Leq             |               |        |              |         |             |            | 60  | 66 | 61  | 60  | 58  | 55   | 49   | 51   | 43                  | 63факт  |
|   | Slow max        |               |        |              |         |             |            |   |    |     |     |     |      |      |      |                     | 71      |
| <b>с. Жумгал, рядом со школой на дороге. Левая сторона, км- 129+400. Время 14:57</b>        |                 |               |        |              |         |             |            |   |    |     |     |     |      |      |      |                     |         |
| <b>Широта: 42° 42'33; долгота: 75°50'44". Фоновый уровень шума.</b>                         |                 |               |        |              |         |             |            |   |    |     |     |     |      |      |      |                     |         |
| 4   | Leq             |               |        |              |         |             |            | 61  | 66 | 63  | 61  | 59  | 55   | 50   | 50   | 44                  | 65 факт |
|   | Slow max        |               |        |              |         |             |            |   |    |     |     |     |      |      |      |                     | 73      |
| <b>с. Тугол Сай, рядом с магазином «Кутман» южная сторона дороги 151+000км. Время 15:36</b> |                 |               |        |              |         |             |            |   |    |     |     |     |      |      |      |                     |         |
| <b>Широта: 41°58'56; долгота: 74°49'49". Фоновый уровень шума.</b>                          |                 |               |        |              |         |             |            |   |    |     |     |     |      |      |      |                     |         |
| 5   | Leq             |               |        |              |         |             |            | 59  | 66 | 60  | 59  | 56  | 54   | 49   | 49   | 40                  | 65 факт |
|   | Slow max        |               |        |              |         |             |            |   |    |     |     |     |      |      |      |                     | 72      |
| <b>Северо-восточная сторона АБЗ и ДСУ, с. Тугол-Сай 149+000. Время 15:58</b>                |                 |               |        |              |         |             |            |   |    |     |     |     |      |      |      |                     |         |
| <b>Широта: 41° 59'33"; Долгота: 74°45'51". Фоновый уровень шума.</b>                        |                 |               |        |              |         |             |            |   |    |     |     |     |      |      |      |                     |         |
| 6   | Leq             |               |        |              |         |             |            | 58  | 64 | 61  | 59  | 55  | 52   | 49   | 48   | 39                  | 58факт  |
|   | Slow max        |               |        |              |         |             |            |   |    |     |     |     |      |      |      |                     | 68      |

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

Результаты измерений:

| №   | Место измерений | Характер шума  |        |             |              |             |             | Уровни звукового давления в дБ в октавных полосах со среднегеометрическими частотами в Гц |    |     |     |     |      |      |      |         |  | Уровень звука (дБ/с) |
|---|-----------------|----------------|--------|-------------|--------------|-------------|-------------|---|----|-----|-----|-----|------|------|------|---------|--|----------------------|
|   |                 | По спектру     |        |             | По временным |             |             | 31,5  | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000    |  |                      |
|   |                 | Широкополосный | Тонкая | Всплесковый | Колба        | Прерывистый | всплесковый |   |    |     |     |     |      |      |      |         |  |                      |
| 3   | 4               | 5              | 6      | 7           | 8            | 9           | 10          | 11  | 12 | 13  | 14  | 15  | 16   | 17   | 18   |         |  |                      |
| <b>С. Куйручук, рядом с магазином "Азамат" западная сторона км 144+000. Время 16:15</b>     |                 |                |        |             |              |             |             |   |    |     |     |     |      |      |      |         |  |                      |
| Широта: 41° 59'33"; Долгота: 74°45'51". Фоновый уровень шума.                               |                 |                |        |             |              |             |             |   |    |     |     |     |      |      |      |         |  |                      |
| 7   | Leq             |                |        |             |              |             | 67          | 62  | 62 | 58  | 56  | 55  | 49   | 49   | 41   | 65факт  |  |                      |
|   | Slow max        |                |        |             |              |             |             |   |    |     |     |     |      |      |      | 72      |  |                      |
| <b>с. Жумгал, рядом со школой на дороге. Левая сторона, км- 129+400. Время 16:37</b>        |                 |                |        |             |              |             |             |   |    |     |     |     |      |      |      |         |  |                      |
| Широта: 42° 42'33; долгота: 75°50'44". Фоновый уровень шума.                                |                 |                |        |             |              |             |             |   |    |     |     |     |      |      |      |         |  |                      |
| 8   | Leq             |                |        |             |              |             | 62          | 67  | 63 | 60  | 57  | 58  | 50   | 50   | 42   | 66 факт |  |                      |
|   | Slow max        |                |        |             |              |             |             |   |    |     |     |     |      |      |      | 74      |  |                      |
| <b>с. Тугол Сай, рядом с магазином «Кутман» южная сторона дороги 151+000км. Время 17:06</b> |                 |                |        |             |              |             |             |   |    |     |     |     |      |      |      |         |  |                      |
| Широта: 41°58'56; долгота: 74°49'49". Фоновый уровень шума.                                 |                 |                |        |             |              |             |             |   |    |     |     |     |      |      |      |         |  |                      |
| 9   | Leq             |                |        |             |              |             | 68          | 71  | 66 | 62  | 60  | 60  | 54   | 52   | 45   | 67факт  |  |                      |
|   | Slow max        |                |        |             |              |             |             |   |    |     |     |     |      |      |      | 75      |  |                      |
| <b>Северо-восточная сторона АБЗ и ДСУ. с. Тугол-Сай 149+000. Время 17:38</b>                |                 |                |        |             |              |             |             |   |    |     |     |     |      |      |      |         |  |                      |
| Широта: 41° 59'33"; Долгота: 74°45'51". Фоновый уровень шума.                               |                 |                |        |             |              |             |             |   |    |     |     |     |      |      |      |         |  |                      |
| 10  | Leq             |                |        |             |              |             | 61          | 60  | 61 | 59  | 57  | 55  | 51   | 49   | 38   | 61факт  |  |                      |
|   | Slow max        |                |        |             |              |             |             |   |    |     |     |     |      |      |      | 71      |  |                      |
| <b>с. Куйручук, рядом с магазином "Азамат" западная сторона км 144+000. Время 18:12</b>     |                 |                |        |             |              |             |             |   |    |     |     |     |      |      |      |         |  |                      |
| Широта: 42° 1'30; долгота: 74°58'35". Фоновый уровень шума.                                 |                 |                |        |             |              |             |             |   |    |     |     |     |      |      |      |         |  |                      |
| 11  | Leq             |                |        |             |              |             | 69          | 70  | 66 | 63  | 61  | 60  | 55   | 51   | 46   | 67 факт |  |                      |
|   | Slow max        |                |        |             |              |             |             |   |    |     |     |     |      |      |      | 75      |  |                      |
| <b>с. Жумгал, рядом со школой на дороге. Левая сторона, км- 129+400. Время 18:42</b>        |                 |                |        |             |              |             |             |   |    |     |     |     |      |      |      |         |  |                      |
| Широта: 42° 42'33; долгота: 75°50'44". Фоновый уровень шума.                                |                 |                |        |             |              |             |             |   |    |     |     |     |      |      |      |         |  |                      |
| 12  | Leq             |                |        |             |              |             | 70          | 72  | 67 | 65  | 62  | 61  | 56   | 52   | 48   | 69факт  |  |                      |
|   | Slow max        |                |        |             |              |             |             |   |    |     |     |     |      |      |      | 77      |  |                      |

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Уполномоченный представитель объекта, присутствующий при проведении измерений:

фамилия, имя, отчество Нуриддин Н.  
должность инженер эколог  
Подпись \_\_\_\_\_

| Должность    | ФИО            | Подпись  |
|--------------|----------------|--|
| Начальник ОЛ | Аманова Н. Т.  |  |
| Инженер      | Нуриддин у. Т. |  |

Протокол составляется в двух экземплярах, 1 экземпляр выдается по месту требования, 2-й экземпляр остается в лаборатории.

Примечание: Результаты протокола соответствуют на момент проведенных измерений.

Перепечатка протокола без разрешения начальника лаборатории запрещена.

Результаты измерений относятся только данным объектам.

**Конец протокола**

Заключение по результатам замеров: на момент проведения замеров уровень шума в измеренных точках у дороги составляло от 53 дБа до 69 дБа.



Информационный центр:

  
подпись

Джоббатаров Н. К.  
ФИО

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## ANNEX 3


Report on non-compliances in relation to environmental protection in the project area, May 24-25, 2022

### Project Site Environmental Inspection by the Consultants of Gentek International Engineering and Consulting Ltd.


Date : May 24-25, 2022


|  |
|--|
| <b><i>Project:</i></b> CAREC Corridors, 1 & 3 Connector Road Project<br><b><i>Epkin-Dyikan (Bashkugandy), Section 2B, km 89+500 – 159+200</i></b>                                      |
| <b><i>Contractor:</i></b> China Railway N5 Engineering Group Co., Ltd  |
| <b><i>Inspection sites:</i></b> Camp, Asphalt Plant Mobilization Process, Crushing Plant, Workshops and Warehouse Premises, Offices, Dormitories, Project Site: Road, Quarries, Dumps. |
| <b><i>Visit:</i></b> Nursery of Jungal Forestry  |
| <b><i>Inspection Team:</i></b> Nargiz Garajayeva, International Environment Consultant   |
| Talantbek Dzhumaliev, Local Environmental Consultant   |



Abbreviations: (N/R- not required)


| # | Observations/Non-conformances/Corrective Action   | Photos   | Description of Corrective Action by Railway No.5 Contractor | Status | Target date to close Non-conformance by Contractor | Corrective Action Evidence (please, attach photos, document) |
|---|---|--|---|--------|--|--|
| 1 | <p>Has the production site territory been constructed according to the approved plan? <b>Yes. Construction is ongoing</b></p> <p>Are there any changes in the design? <b>No. Construction is ongoing</b></p>  |  | N/R   | N/R    | N/R  | N/R  |
| 2 | <p>Have permits for workers' camp obtained? <b>Yes.</b></p>   |  | N/R   | N/R    | N/R  | N/R  |
| 3 | <p>Road construction and related potential environmental impacts.</p> <p>Road construction is not conducted yet, construction work continues at the production site</p>   |  | N/R   | N/R    | N/R  | N/R  |
| 4 | <p><b>Dust Control:</b> There is increased dust formation on the road with the summer season approach. It is necessary to revise the Dust Suppression Plan taking into account the increase in watering road intensity and the increase in the number of water trucks.</p> <p>During a public hearing held on May 14, 2022 with the participation of a local Environment Consultant, a Safety</p> |  | To insert   | Open   | To insert  | To insert  |


|   |  |  |           |      |           |           |
|---|--|--|-----------|------|-----------|-----------|
|   | <p>Consultant with representatives of local communities, the local residents requested to start dust control from 7 AM. (currently it starts at 9 AM).</p> <p><b><u>Correction Action:</u></b></p> <p>To prepare a new Dust Suppression Plan for the summer, indicating where the water trucks will operate, the number of water trucks, the frequency of dust suppression, who will supervise the process, etc.</p> |  |           |      |           |           |
| 5 | <p><b>Problems Tracking:</b> Problems and inconsistencies detected during the project are not recorded.</p> <p><b><u>Correction Action:</u></b> To organize a log for problems and inconsistencies and track their elimination and resolution</p>  |  | To insert | Open | To insert | To insert |
| 6 | <p><b>Instrumental Monitoring:</b></p> <p>Measurements (of noise, vibration; water and air quality tests) were not carried out.</p> <p><b><u>Correction Action:</u></b> To organize the monitoring process. To provide test results</p>  |  | To insert | Open | To insert | To insert |



|   |   |  |           |      |           |           |
|---|---|--|-----------|------|-----------|-----------|
| 7 | <p><b>Waste Management:</b></p> <p>Info: Waste segregation is not carried out – there are no regulatory mechanisms. Household waste is disposed of by the Contractor through local authorities, but not systematically, remnants of burnt waste were observed in dug pits on the territory of the production site;</p> <p>Used fuel and lubricants are transferred to the local residents at their request.</p> <p>Household waste is stored in plastic bags directly on the ground - there is no specially designated area for collecting this waste.</p> <p><b><u>Correction Action:</u></b></p> <ol style="list-style-type: none"> <li>1) To establish waste control in accordance with the SSEMP requirements and the obligations assumed by the Contractor.</li> </ol> |  | To insert | Open | To insert | To insert |
|---|---|--|-----------|------|-----------|-----------|



|  |  |  |  |  |  |  |  |
|--|--|--|--|--|--|--|--|
|  | <p>2) It is necessary to create a registration log for non-hazardous and hazardous waste and record all waste activities.</p> <p>3) To provide evidence of all types of waste collection from the camp</p> |  |  |  |  |  |  |
|--|--|--|--|--|--|--|--|


|   |  |   |  |           |      |           |           |
|---|--|---|--|-----------|------|-----------|-----------|
| 8 | <p><b>Sanitary and Hygienic Inconsistencies</b></p> <p>The septic tank (sanitary tank) on the production site territory does not meet sanitary and technical standards.</p> <p><b>Correction Action:</b> To bring it in compliance with the obligations under the SSEMP.</p>   |   |  | To insert | Open | To insert | To insert |
| 9 | <p><b>Sanitary and Hygienic Inconsistencies</b></p> <p>There are a lot of uncovered dishes with food in the kitchen. There are things that are not related to cooking on the table with food (for example, an umbrella. See Photos).</p> <p><b>Correction Action:</b> To remove all extraneous things, to keep only what is related to the cooking process in the kitchen.</p> |  |  | To insert | Open | To insert | To insert |



|    |   |   |           |      |           |           |
|----|---|---|-----------|------|-----------|-----------|
| 10 | <p><b>Sanitary and Hygienic Inconsistencies</b></p> <p>The same knives and chopping boards are used for meat, chicken and vegetables.</p> <p><b>Correction Action:</b> It is necessary to have a set of chopping boards for fish, meat and poultry and a separate set for vegetables and fruits.</p>  |   | To insert | Open | To insert | To insert |
| 11 | <p><b>Camp Territory.</b></p> <p>The repair of construction equipment and heavy vehicles is carried out directly on the ground on the territory of the camp (there is no concrete coating), thereby increasing the negative impact on the ground.</p> <p>Oil spills on the ground were observed in some places. There is no evidence that any control was carried out, there are no records of the spill incident. Cleaning of the soil surface, in accordance with the obligations, has not been carried out.</p> <p><b>Correction Action:</b> To investigate these inconsistencies and bring them into line with the obligations.</p> |  | To insert | Open | To insert | To insert |

|    |  |  |           |      |           |           |
|----|--|--|-----------|------|-----------|-----------|
| 12 | <p><b>Camp Territory.</b></p> <p>The repair of construction equipment and heavy vehicles is carried out directly on the ground on the territory of the camp (there is no concrete coating), thereby increasing the negative impact on the ground.</p> <p>Oil spills on the ground were observed in some places. There is no evidence that any control was carried out, there are no records of the spill incident. Cleaning of the soil surface, in accordance with the obligations, has not been carried out.</p> <p><b><u>Correction Action:</u></b> To investigate these inconsistencies and bring them into line with the obligations.</p> |  | To insert | Open | To insert | To insert |
|----|--|--|-----------|------|-----------|-----------|

|    |  |   |           |      |           |           |
|----|--|---|-----------|------|-----------|-----------|
| 13 | <p><b>Containers</b></p> <p>In containers the tools are stored together with lubricants, disposable water glasses and cigarette butts are on the floor.</p> <p><b><u>Correction Action:</u></b></p> <p>1) To attach labels to containers according to their purpose;</p> <p>2) To attach safety signs (where it is forbidden to smoke, eat, and drink)</p>   |   | To insert | Open | To insert | To insert |
| 14 | <p>Fuel and lubricant tanks are kept in a container without a pallet, spilling under the tank creates a potential risk of falling and damage. Tanks with waste fuel and lubricants are kept in the same place. No markings or any information. There are cigarette butts on the floor of the containers.</p> <p><b><u>Correction Action:</u></b> Hazardous waste shall be stored in a designated waste area.</p> |  | To insert | Open | To insert | To insert |
| 15 | <p><b>Production Site Area</b></p> <p>Cigarette butts are scattered all over the territory of the production site on the ground.</p>   |   | To insert | Open | To insert | To insert |

|    |   |   |           |      |           |           |
|----|---|---|-----------|------|-----------|-----------|
|    | <p><b><u>Correction Action:</u></b></p> <p>To allocate designated smoking areas, to communicate to the staff about the need to smoke only in designated areas and throw cigarette butts into the trash bins.</p>  |   |           |      |           |           |
| 16 | <p><b>Crushing Plant</b></p> <p>The crushing plant has been installed and is in operation.</p> <p>The location is selected in accordance with the approved plan and is located far from social facilities. The distance to the nearest settlement and residential buildings is at least 500 m</p>   |   | N/R       | N/R  | N/R       | N/R       |
| 17 | <p><b>Asphalt Plant Operation</b></p> <p>The Asphalt Plant is still at the stage of mobilization. The location of the plant is planned in accordance with the approved plan.</p> <p><b><u>Correction Action:</u></b> The Contractor shall have spill and fire protection equipment and submit an Emergency Response Plan (in case of spills, accidents, fires, etc.) prior to the plant operation</p> |  | To insert | Open | To insert | To insert |


|    |  |   |           |      |           |           |
|----|--|---|-----------|------|-----------|-----------|
| 18 | <p><b>Quarries</b></p> <p>Currently, there are 2 quarries operating on the project site (148+630 and 140+990).</p> <p><b><u>Correction Action:</u></b> To provide visual inspection records of quarries (Control Sheet records)</p>                        |   | To insert | Open | To insert | To insert |
| 19 | <p><b>Dump Areas</b></p> <p>Currently they are not used since the road construction work is not underway on the site</p>   |   | N\R       | N\R  | N\R       | N\R       |
|    | <p><b><u>Non-compliance with health and safety requirements:</u></b></p>   |   |           |      |           |           |
| 20 | <p>Items of potential injury hazard were found: cases of open, sharp metal end up - cut/injury threat (structure in the territory and a chair in the office)</p> <p><b><u>Correction Action:</u></b> To bring it in compliance with safety regulations</p> |  | To insert | Open | To insert | To insert |


|    |  |   |           |      |           |           |
|----|--|---|-----------|------|-----------|-----------|
| 21 | <p>A gas cylinder is next to an open flame in the kitchen. There is also storage of empty, used gas cylinders in the kitchen.</p> <p><b>Correction Action:</b> To take the cylinders out into the open air to a specially designated place in accordance with safety regulations</p> |   | To insert | Open | To insert | To insert |
| 22 | <p><b>Electrical Safety:</b> Uncovered electrical shield, access to the shield is not fenced.</p> <p><b>Correction Action:</b> To bring it in compliance with safety regulations</p>   |  | To insert | Open | To insert | To insert |


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|----|---|--|-----------|------|-----------|-----------|
| 23 | <p><b>Fire Safety Equipment.</b><br/>         There is no sand in the sand box. Several non-functioning fire extinguishers were observed on the territory, some of them are expired, there is no evidence that they are monitored - inspection tags are not attached.</p> <p><b>Correction Action:</b> To bring it in compliance with fire safety regulations</p> |  | To insert | Open | To insert | To insert |
|----|---|--|-----------|------|-----------|-----------|



|    |   |  |           |      |           |           |
|----|---|--|-----------|------|-----------|-----------|
| 24 | <p>There are no first aid kits on the territory. There are no trained</p> |  | To insert | Open | To insert | To insert |
|----|---|--|-----------|------|-----------|-----------|

|    |   |   |           |      |           |           |
|----|---|---|-----------|------|-----------|-----------|
|    | <p>personnel to provide first aid, as well as to respond in case of fire safety (working with fire extinguishers). First aid and fire safety trainings were not held.</p> <p><b>Correction Action:</b> To bring it in compliance with safety regulations</p> <p>1) Supply first aid kits</p> <p>2) Organize first aid and fire extinguisher trainings</p> |   |           |      |           |           |
| 25 | <p>There are not enough safety signs in the area and there is no Emergency Response Plan and Evacuation Plan.</p> <p><b>Correction Action:</b> To bring it in compliance with regulations</p>   |   | To insert | Open | To insert | To insert |
| 26 | <p>Welding work is carried out without proper personal protection - the welder does not have special clothing - an apron, gloves, shoes for the welder</p> <p><b>Correction Action:</b> To bring it in compliance with safety regulations</p>   |  | To insert | Open | To insert | To insert |

|    |   |  |           |      |           |           |
|----|---|--|-----------|------|-----------|-----------|
| 27 | <p>Unacceptable insulation of electrical wires is in the place of workers' residence.</p> <p><b>Correction Action:</b> To bring it in compliance with electrical safety regulations</p> |  | To insert | Open | To insert | To insert |
|----|---|--|-----------|------|-----------|-----------|

|    |  |  |           |      |           |           |
|----|--|--|-----------|------|-----------|-----------|
| 28 | <p>A large number of workers are not equipped (or not fully equipped) with the minimum necessary personal protective equipment (uniform, helmet, gloves, shoes, and goggles).</p> <p><b><u>Correction Action:</u></b> To bring it in compliance with personal protection regulations</p> |  | To insert | Open | To insert | To insert |
|----|--|--|-----------|------|-----------|-----------|

|    |  |   |           |      |           |           |
|----|--|---|-----------|------|-----------|-----------|
| 29 | <p><b>Lifting operations</b> using a crane were carried out without observing safety precautions - the workers do not have helmets, shoes, the work area for carrying out lifting operations is not fenced.</p> <p><b>Correction Action:</b> To provide a lifting plan and a risk assessment document for lifting operations</p> <ol style="list-style-type: none"> <li>1) provide a plan for lifting operations</li> <li>2) risk assessment document for lifting operations</li> <li>3) work permit</li> </ol>  |   | To insert | Open | To insert | To insert |
|    | <p><b>Good performance</b></p> <ol style="list-style-type: none"> <li>1) The contractor built the camp (offices, laboratory, dormitories etc.) in accordance with the approved plan, the permits were obtained from local authorities.</li> <li>2) Tanks for fuel and lubricants or bitumen are installed on a concrete base, thereby mitigating the negative impact on the ground</li> <li>3) A repair and technical workshop with pits has been built, in which it is necessary to repair vehicles,</li> </ol> |  |           |      |           |           |

thereby mitigating the negative impact on the ground.



Outcoming letter to the Contractor: Results of environmental safeguard inspection on 27-28 April, 2022


**CAREC** CORRIDORS

Gentek Consult Ltd.

1 and 3 Connector Road Project  
Engineering and Construction Supervision

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| <p>CAREC Corridors, 1 &amp; 3 Connector Road Project, Section 2B<br/>May 07, 2022/066</p> <p><b>To:</b> China Railway No.5 Engineering Group Co., Ltd.<br/><b>Attn.:</b> Mr. Zhang Liang<br/>Project Manager</p> <p><b>Copy:</b> Ministry of Transport and Communication<br/>of the Kyrgyz Republic<br/><b>Attn.:</b> Mr. Ibraimov Sanjar<br/>Head of PIU</p> <p><b>Subject:</b> Project Site environmental monitoring</p> <p>Dear Mr. Zhang Liang,</p> <p>Within the framework of the ongoing project "CAREC Corridors 1 and 3 Connecting Road (Section 2B, Epkin – Dyikan (Bashkuugandy) km89 – km159), on February 27-28, 2022, the environmental specialist of <b>Gentek Consult LTD</b>, T.N. Zhumaliev, together with environmental engineer of the Contractor <b>China Railway №5 Engineering Group Co., LTD</b> N. Nurdinov, conducted visual monitoring of compliance with environmental requirements at construction sites, quarries, dumps, residential camp and a production site.</p> <p>According to the monitoring results, it was revealed some violations of the requirements of the SSEMP, as well as the Safeguard Policy of the Asian Development Bank, were revealed.</p> <p>Based on the result of visual monitoring, we inform you that all the following comments must be addressed by May 15, 2022:</p> <ol style="list-style-type: none"> <li>1. Separate marked containers and boxes for household, construction and other waste were not organized on the territory of the production base and camp, the Contractor does not observe cleanliness ;</li> <li>2. Contractors burn household waste in a pit, which is not acceptable.</li> <li>3. The contractor needs to close the septic tanks on the site, in order to avoid injury to workers and filling with garbage</li> <li>4. Make a dust suppression plan on the site</li> <li>5. Tires from heavy trucks are scattered everywhere on the production base;</li> </ol> | <p>CAREC Corridors, 1 &amp; 3 Connector Road Project, Section 2B<br/>07 май 2022г./066</p> <p><b>Кому:</b> China Railway No.5 Engineering Group Co., Ltd.<br/>Г-ну Чжан Лян<br/>Менеджер Проекта</p> <p><b>Копия:</b> Министерство Транспорта и<br/>Коммуникации Кыргызской Республики<br/>Г-ну Ибраимову Санжару<br/>Руководитель ГРП</p> <p><b>Отт-но:</b> Мониторинг окружающей среды<br/>Проектного Участка</p> <p>Уважаемый г-н Чжан Лян,</p> <p>В рамках реализуемого проекта «Коридоры ЦАРЭС 1 и 3 Пути Соединения (Участок 2Б, Эпкин – Дыйкан (Башкууганды) км89 – км159) 27-28 апреля 2022 г. специалистом по окружающей среде компании «<b>Gentek Consult LTD</b>» Т.Н. Жумалиевым совместно с инженером-экологом подрядчика «<b>China Railway №5 Engineering Group Co., LTD</b>» Н. Нурдиновым был проведен визуальный мониторинг по соблюдению экологических требований на строительных участках, карьеров, отвалов, территории жилого лагеря и производственной площадки.</p> <p>По результатам мониторинга выявлены некоторые нарушения требований СПУОСКУ, а также Политики по Защитным Мерам Азиатского Банка Развития.</p> <p>На основании результата визуального мониторинга, уведомляем вас о том, что все следующие замечания необходимо устранить в срок до 15 мая 2022 года:</p> <ol style="list-style-type: none"> <li>1. На территории производственной базы и лагеря не были организованы отдельные маркированные бочки и ящики для бытовых, строительных и других отходов. Подрядчик не соблюдает чистоту;</li> <li>2. Подрядчик сжигают бытовые отходы на яме, что не допустимо;</li> <li>3. Подрядчику необходимо закрыть септики на участке, во избежание травматичности рабочих и загромождения мусором;</li> <li>4. Составить план пылеподавления на участке;</li> <li>5. На производственной базе везде разбросаны шины от большегрузных автомашин;</li> </ol> |
|--|--|

**1 and 3 Connector Road Project**  
Engineering and Construction Supervision

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|--|--|
| <p>6. It is necessary to organize information stands for workers on the observance of cleanliness and order on the territory of a residential camp and a production site;</p> <p>7. Urgently draw up a contract with an accredited laboratory and carry out instrumental monitoring (measurements of noise and vibration, air and water quality) at the project site.</p> <p>Attachment: Photos from the site</p> <p>Thanking you.<br/>Best regards,<br/>Selcuk Mutlu<br/>Team Leader</p>  | <p>6. Необходимо организовать информационные стенды для рабочих о соблюдении чистоты и порядка на территории жилого лагеря и производственной площадки;</p> <p>7. В срочном порядке составить договор с аккредитованной лабораторией и провести инструментальный мониторинг (измерения шума и вибрации, качества воздуха и воды) на проектом участке.</p> <p>Приложение: фотографии с участка</p> <p>Благодарю Вас.<br/>С уважением,<br/>Сельчук Мутлу<br/>Руководитель группы</p> |
|--|--|

Received by / Получил (а) \_\_\_\_\_  
Signature / Подпись

\_\_\_\_\_/\_\_\_\_\_/2022г.  
Date / Дата



фото 1: На яме сжигали мусор



Фото 2 Разбросанные шины автомашин




Фото 3. Не закрытый септик



Фото 4: не соблюдается чистота на участке

## ANNEX 4

### Report on the public hearings conducted by the Consultant's representatives with local residents, May 14, 2022.

|  |   |
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| <p><b>CAREC Corridors, 1 &amp; 3 Connector Road Project, Section 2B</b><br/>May 26, 2022/047</p> <p><b>To:</b> Ministry of Transport and Communications<br/>of the Kyrgyz Republic<br/><b>Attn.:</b> Mr. Ibraimov Sanjar<br/>Head of PIU</p> <p><b>Subject:</b> Public consultations<br/><b>Ref.:</b> Employer's letter No.14-6/265 of<br/>22.04.2022</p> <p>Dear Mr. Ibraimov Sanjar,</p> <p>The Engineer, on May 14, 2022, held public consultations with the local population at the site and hereby provides you in the attachment with the minutes of consultations with photos.</p> <p>Attachment: minutes of consultations.</p> <p>Respectfully yours,<br/>Selcuk Mutlu<br/>Team<br/>Leader</p>  | <p><b>CAREC Corridors, 1 &amp; 3 Connector Road Project, Section 2B</b><br/>26 май 2022г./047</p> <p><b>Кому:</b> Министерство Транспорта и<br/>Коммуникаций Кыргызской Республики<br/>Г-н Ибраимову Санжару<br/>Руководитель ГРП</p> <p><b>Отн-но:</b> Общественные консультации<br/><b>Ссыл.:</b> Письмо Заказчика №14-6/265 от<br/>22.04.2022</p> <p>Уважаемый г-н Ибраимов Санжар,</p> <p>Инженер 14 мая 2022 г. провел на участке общественные консультации с местным населением и настоящим представляет вам в приложении протокол консультаций с фотографиями.</p> <p>Приложение: протокол консультаций.</p> <p>С уважением,<br/>Сельчук Мутлу<br/>Руководитель группы</p> |
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**Minutes of public consultations held in Jumgal, Kuyruchuk and Tugol-Sai ayil okmotu of the Jumgal district of the Naryn region on May 14, 2022.**

**Construction of the North-South Alternative Road, CAREC Corridors 1 and 3, Connecting Road Project km 89+500km-159+200km, section Epkin – Dyikan (Bashkugandy).**

**Public consultation on environmental and road safety issues.**

**Consultant: Gentek Consult LTD.**

Deputy Team Leader: Zheksheev.M.S.

Engineer Ecologist: Dzhumaliev.T.

HSE Engineer: Toktomushev.B.S.

Inspector: Atambekov. E.P.

**Contractor: China Railway No. 5**

Sales Department: LiuLinHai

Engineer: Zhang Zhongyi

Translator: Zhakypbaev. A.B.

Engineer Ecologist: Nurdinov.N.S.

HSE Engineer: Abylabekov.K.B.

Public Relations Coordinator: Alymbekov N.A.

**The 1<sup>st</sup> consultation took place on May 14, 2022 at 09:30 in Jumgal ayil okmotu:**

**The head of the Jumgal village Bolotaliev.U started the hearing.**

- Greetings to dear villagers and representatives of the Consultant and the Chinese company, the topic of today's meeting is the construction of the road and related construction issues. If the residents have questions, you can ask questions to the Contractor and Consultant.

**Residents:** We are very tired of the current state of the road, we ask you to finish the construction of the road as soon as possible.

**Engineer:** According to the work program, 25 km should be completed this year, work started on April 15.

**Residents:** when will full-scale work begin?

**Contractor:** According to the plan, we have already started some work, and due to the pandemic, the delivery of goods and the arrival of engineers from China are very difficult at the moment. On May 2, 2022, the last spare parts of the asphalt concrete plant arrived at the site; in addition, the

engineers responsible for the installation of the asphalt concrete plant arrived at the site. We have signed a contract for reinforced concrete products to construct culverts, they will soon arrive at the site. According to our plan, this year we have to finish 25 km of asphalt road next to Bashkugandy village, culverts - at the Kyzart pass..

**Residents:** It would be good if the contractor, the local authorities and local residents worked in friendly relations.

**Contractor:** You are absolutely right and we completely agree with you. If residents have questions, requests or complaints, please, report this to the aylokmot, then they will send it to us in writing, our coordinator Alymbekov Nursultan works closely with local authorities.

**Residents:** Your water trucks start to carry out watering work late in the vicinity and on the territory of our village.

**Contractor:** From our side there is a responsible person who monitors the work of water trucks, we will also leave his data and phone number in the ayil okmotu, and, in addition, we will give him instructions.

**Ayil okmotu:** Under the Taza Suu program, we kindly ask you to provide assistance during the work on the territory of our village in excavating a trench and backfilling; we will provide the pipes ourselves.

**Contractor:** Please, write to us about this issue and contact our coordinator.

**Consultant's HSE Engineer:** In this project, we shall either take into account the construction of the road, and the issue of safety, we kindly request the Head of the village and dear residents of the village to comply with the speed limit on the road. Many road accidents everywhere mainly arise due to the speed limit, overtaking in the wrong places. Please, pay attention to road signs, remind children not to run out onto the road.

**Residents:** Overloaded Kamaz trucks travel along our road and destroy roads, after the end of the project, we are worried that they will destroy the new road. A weighing post shall be installed on the territory of our village so that the local population can control the overload, and most Kamaz trucks do not cover the loaded coal with a canvas blind.

**Consultant's HSE Engineer:** There is a Government Decree and a requirement that trucks carrying various types of materials must cover the load with canvas blind. We all need to work together out such moments and people's control is requested to solve such problems.

**Residents:** We applied about the issue of constructing an overpass next to the school.

**Consultant's HSE Engineer:** On this issue, the local administration should contact the Ministry of Transport and Communications of the Kyrgyz Republic.

**Ayil okmotu:** Is it possible to hand over the old dismantled culverts to us near our village?

**Consultant:** According to the contract conditions, we will hand over all the old culverts to the Road Maintenance Company, please contact them.

**Contractor:** We do not have enough workers, excavator, loader, grader operators. We would like to officially send a letter to the ayil okmotu with a list of required workers.

**Consultant's Environmental Engineer:** The issue of dust on the road arises wherever work is carried out. Our project is international where the donor is the Asian Development Bank, which has its own requirements for the control of the environment, road safety, and sociology issues. The Contractor must draw up a dust control plan, an environmental protection plan. Monthly air pollution tests, water pollution tests, as well as vibration and noise tests will be performed. These tests will show if the construction work has affected the environment. What about dump issues: the Contractor has an

environmental engineer, who shall first check all the lands and relevant documents regarding the dump areas, in case it is necessary to fell trees, the environmental engineer shall first obtain all permits.

**Contractor's Environmental Engineer:** About the issue of dumps, please, determine in advance the places for storing unsuitable soil and asphalt. Please, take into account the moment if the land is private, it is necessary to have the Red Book on the land, if the land belongs to the municipality, then the aiyl okmotu will take decision about it.

**Representatives of the Contractor and Consultant:** We will give the phone numbers of all the necessary Contractor's specialists to resolve certain issues, with whom you can work closely on various emerging issues.



**The 2<sup>nd</sup> hearing took place in Kuyruchuk ayil okmotu on May 14, 2022 at 12:30 p.m.:**

**Abylabekov B., Head of Kuyruchuk village started the hearing.**

- Greetings to dear villagers and representatives of the Consultant and the Chinese company, the topic of today's meeting is road construction and related construction issues. If the villagers have questions, you can ask questions to the Contractor and Consultant.

**Residents:** The construction of the road has already been ongoing for 4 years, there is no progress, we are tired of such a road and dust. You are late from your schedule look at other companies that are doing construction work on other sites they are already placing asphalt.

**Contractor:** Yes, we have experienced delays and due to the pandemic at the moment, the delivery of products and the arrival of engineers from China is very difficult. On May 2, 2022, the last spare parts of the Asphalt Concrete Plant arrived at the site, and the engineers responsible for the installation of the Asphalt Concrete Plant arrived at the site. We have signed a contract for reinforced concrete products to construct culverts they will soon arrive at the site. According to our plan this year we have to finish 25 km of road with asphalt next to Bashkugandy village, culverts - at the Kyzart pass, according to our plan for this year, we have to finish 25 km, the capacity of the asphalt plant allows us to produce 1.5 km every day.

**Consultant's Environmental Engineer:** Our project is international where the donor is the Asian Development Bank, which has its own requirements for the control of the environment, road safety, and sociology. The Contractor must draw up a dust control plan, an environmental protection plan. Monthly air pollution tests, water pollution tests, as well as vibration and noise tests will be performed. These tests will show if the construction work has affected the environment. What about dump issues: the Contractor has an environmental engineer, who shall first check all the lands and relevant documents regarding the dump areas, in case it is necessary to fell trees, the environmental engineer shall first obtain all permits.

**Residents:** Some of your workers work very badly, you are kindly asked to dismiss them even if they are our relatives. According to the law of the Kyrgyz Republic, your company operates and is located on the territory of our village, the social fund tax and the income tax of workers shall be paid to the budget of our village and not the district budget. The previous company did not do this and disputes arose.

**Aiyl okmotu:** Last month, our budget received about 74,000 som, the issue was resolved with the Contractor's Accounting Department.

**Residents:** How many water trucks do you have? They have to work continuously and start watering early in the morning. How many local workers do you have? And how do they work for you?

**Contractor:** At the moment we have 117 local workers, and 9 water trucks. We have specially rented a water truck from your villager, who is responsible for watering the road in your village.

**Consultant's HSE Engineer:** In this project, we shall either take into account the construction of the road, and the issue of safety, we kindly request the Head of the village and dear residents of the village to comply with the speed limit on the road, many road accidents everywhere mainly arise due to the speed limit, overtaking in the wrong places. Please, pay attention to road signs, remind children not to run out onto the road. The Contractor has responsible local specialists, a community coordinator, a road safety engineer, and an environmental engineer. Aiyl okmotu has all their contacts, if you have any questions you can contact them through Aiyl okmotu.

**Contractor:** We do not have enough workers, excavator, loader, grader operators. We would like to formally send a letter to Aiyl okmotu with a list of required workers.

**Residents:** The backfilling of culverts was done poorly before, what will happen to them?

**Consultant:** Backfilling of culverts is carried out in layers and each layer is checked by the laboratory, if they meet the requirement, the laboratory will not give permission for the next layer.



**The 3<sup>rd</sup> hearing took place in Tugol-Say ayil okmotu on May 14, 2022 at 14:00:**

**Sabyrbek u. K., Head of Tugol-Say village started the hearing.**

- Greetings to dear villagers and representatives of the Consultant and the Chinese company, the topic of today's meeting is road construction and related construction issues. If the villagers have questions, you can ask questions to the Contractor and Consultant.

**Consultant's HSE Engineer:** In this project, we shall either take into account the construction of the road, and the issue of safety, we kindly request the Head of the village and dear residents of the village to comply with the speed limit on the road. Many road accidents everywhere mainly arise due to the speed limit, overtaking in the wrong places. Please, pay attention to road signs, remind children not to run out onto the road. The Contractor has responsible local specialists, a community coordinator, a road safety engineer, and an environmental engineer. Aiyl okmotu has all their contacts, if you have any questions you can contact them through Aiyl okmotu.

**Consultant's Environmental Engineer:** Our project is international where the donor is the Asian Development Bank, which has its own requirements for the control of the environment, road safety, and sociology. The Contractor must draw up a dust control plan, an environmental protection plan. Monthly air pollution tests, water pollution tests, as well as vibration and noise tests will be performed. These tests will show if the construction work has affected the environment. What about dump issues: the Contractor has an environmental engineer, who shall first check all the lands and relevant documents regarding the dump areas, in case it is necessary to fell trees, the environmental engineer shall first obtain all permits.

**Contractor:** According to the plan, we have already started some work, and due to the pandemic at the moment, the delivery of products and the arrival of engineers from China are very difficult. On May 2, 2022, the last spare parts of the asphalt concrete plant arrived at the site; in addition, the engineers responsible for the installation of the asphalt concrete plant arrived at the site. We have signed a contract for reinforced concrete products to construct culverts, they will soon arrive at the site. According to our plan, this year we have to finish 25 km of asphalt road next to Bashkugandy village, culverts - at the Kyzart pass.

**Aiyl okmotu:** There are no requirements from our side, our main goal is to work with you in friendly relations, if problems arise, we are ready to help you as much as possible to implement this project.

**Residents:** Will overpasses be constructed near schools?

**Consultant:** No, all construction will be carried out according to the project

**Contractor:** We do not have enough workers, operators of an excavator, loader, grader. We will officially send a letter to Aiyl okmotu with a list of required workers.

**Residents:** Will the Contractor have subcontractors?

**Contractor:** Yes, it will. There will be specialized companies, for example, working with electricity, and lighting.

**Consultant:** The Contractor has responsible local specialists, a community coordinator, a road safety engineer, etc., an environmental engineer. Aiyl okmotu has all their contacts, if you have any questions, you can contact them through Aiyl okmotu.

