Loan Number: 2879-GEO 2880-GEO (SF)

Reporting period: January – June, 2014

GEORGIA: GEORGIAN SUSTAINABLE URBAN TRANSPORT INVESTMENT PROGRAM, Tranche 2

(Financed by the Asian Development Bank)

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ABBREVIATIONS

ADB	Asian Development Bank
EA	Executing Agency
EARF	Environmental Assessment and Review Framework
EIA	Environmental Impact Assessment
EIP	Environmental Impact Permit
EMP	Environmental Management Plan
EPSM	Engineering Procurement and Construction Management
GoG	Government of Georgia
SUTIP	Georgian Sustainable Urban Transport Investment Program
IA	Implementing Agency
IEE	Initial Environmental Examination
MDF	Municipal Development Fund
MFF	Multi-tranche Financing Facility
MoENRP	Ministry of Environmental and Natural Resources Protection
MoRDI	Ministry of Regional Development & Infrastructure

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1. PART I. INTRODUCTION

1.1. **Preliminary information**

Project background

Upgrading and improvement of local transport and transport-related infrastructure plays a significant role in the development of Georgia infrastructure. To this effect a number of important activities have been implemented and financed from the budget of Georgia and from other sources. Development of transport and related infrastructure plays an important role in improvement of Georgia's urban infrastructure. Recently several significant programs, financed through state budget, loans and grants, have been implemented with this regard.

On 24 July, 2012 MFF - Sustainable Urban Transport Investment Program Tranche 2 Loan and Project agreements were signed between Georgia and Asian Development Bank. MFF-Sustainable Urban Transport Investment Program – Tranche 2 (SUTIP T2) includes: (i) Urban Transport Infrastructure Improvement; (ii) Institutional Capacity Development and (iii) Project Management.

The program will provide efficient, reliable and affordable urban transport infrastructure and services, thereby increasing economic growth potential and competitiveness of urban communities, improving livelihoods of over 1.5 million people (approx. 35% of Georgian population). The project will also: (I) improve urban, environment and communities' access to economic opportunities and to public and social services; (II) promote efficient and sustainable urban transportation; and (III) generate income and employment opportunities.

The environment classification for tranche is Environmental Category B, as the subproject under SUTIP 2 was classified as category B which will not have significant irreversible or permanent negative environmental impacts during or after construction and required preparation of Initial Environmental Examination (IEE). The environmental categorization of subproject was conducted by using ADB's Safeguard Policy Statement (2009).

Project Area

Sustainable Urban Transport Investment program (SUTIP) tranche 2 includes the following sub project:

- Modernization of Tbilisi-Rustavi Urban Road Link (sections 1 and 3).

At present the Tbilisi – Rustavi road section is one of the busiest and over- trafficked arteries of the city as about 17,000 vehicles per day exceeding traffic capacity. To solve the problems above, the modernization of the Tbilisi-Rustavi road section was declared as the priority project by the Government of Georgia with the goal to upgrade it to a Category - I road with 4 to 6 lanes and 120 km/hr of design speed. Executing, implementing agency of this project is MDF.

The length of the design road is 17.1k m.

Section 1 : Tbilisi-Ponichala section envisaged in the design starts in Tbilisi in Gulia Street at PK0+00, goes along the right embankment of the river Mtkvari up to PK 20+00 then joins Vakhtang Gorgasali street and ends at PK 40+00. Length of project section is 4.0 km.

Section 3 : Ponichala-Rustavi section envisaged in the design starts 56 m before the km 14 of Tbilisi-Red Bridge road i.e. on km 13+944, PK 105+00 accordingly and ends 400 m before the entrance to Rustavi at km 20+550 PK 171+00 accordingly. Design road axis passes on the right shoulder of the existing road. Length of this section is 6.6 km. Design section Ponichala-Rustavi is entirely located in Gardabani district.

1.2. Construction activities and project progress during the reporting period

Since the Commencement of construction works - April 22, 2014, following main construction work activities have been carried out by the Contractor:

- Top soil stripping at PK 105.00-140.00;
- Tree cutting at road section 1 and 3. Cutting of trees at section 3 is completed. Cutting of trees at section 1 is under the process;
- Filling of existing irrigation channel and excavation of new one at section 3P K105.00-128.50;
- Construction of camp (including batching plant). Construction of batching plant is completed;
- Excavation of slope of the hill at PK 36.00- 40.0;
- Installation and compaction of embankment at PK 126.00-129.00;
- Installation and compaction of formation layer at PK 131.00-145.00;
- Leveling of existing dump site at PK 19.00-22.50 (left side);
- Demolishing of existing lightning poles at PK 135.00-1450.00;
- Relocation of existing utilities and structures at PK 125.00-128.80

Proposed schedule of project progress is given in annex 1.

1.3. Changes in project organization and environmental management team

The MDF is the project executing, implementing and disbursing agency. MDF is responsible for general management, planning and supervision of the project. MDF ensures that potential adverse environmental impacts arising from the Project are minimized by implementing all the mitigation measures presented in the environmental impact assessment ("EIA") or Initial Environmental Examination (IEE), as applicable and environmental management plan (EMP).

Environmental and Social Safeguards issues are carried out by the MDF through a special unit called Environmental and Social Safeguards team which was established after deep institutional reform which has been undertaken at the MDF. The MDF is now composed of 12 units. Environmental and social safeguards team consists of three environmental safeguards and two social safeguards specialists. Environmental and Social Safeguards team has a Team Leader who is an advisor to Executive Director of MDF on environmental and social issues as well. Environmental unit reviews the EIAs and EMPs related to the MDF projects and performs supervision of the performance based on approved EMPs, EIAs, and environmental standards.

1.4. Relationships with contractors, owner, lender, etc

The MDF has an overall responsibility for the Project implementation. In order to conduct construction supervision and provide project management and technical assistance to MDF, contract with Dohwa Engineering Co.LTd was signed on January 20, 2012, on Procurement, Construction Management and Supervision of Tbilisi-Rustavi Section of Tbilisi-Red bridge (Azerbaijan Border) Road -SUTIP/C/QCBS-3.

The part of tasks, to be implemented by Supervision Company Dowha, includes:

- (i) supervise and monitor construction of the road;
- (ii) monitor the project performance, benefits and ensure compliance with all social and environmental requirements;

(iii) ensure that the construction contractor prepares the detailed site specific Environmental Management Plans;

(iv) ensure that environmental requirements, road safety and monitoring are carried out in accordance with the recommendations of studies, plans, and analysis of the project, and in compliance with ADB safeguards policy and applicable laws of Georgia;

(v) provide advices and a combination of on-the job and classroom training to improve MDF, Road Department and Tbilisi City's management capacity;

(vi) ensure that the contractor prepares the site specific Environmental Management Plans (SEMPs) according to the framework EMP provided in the project EIA.

(vi)i ensure that the EMP is being implemented in the field at the construction site.

Contract with construction Contractor –Sinohydro Corporation Limited (China) was signed on March 10, 2014. According to contract's safeguards issues, Construction Contractor should comply with all applicable national environmental laws and regulations, measures and requirements set forth in the IEE and EMP. For managing environmental impacts, carrying out all of the monitoring and mitigation measures set for IEE and EMP documents Contractor should establish an effective operational system and submit reports to DOHWA on the carrying out of such measures.

Environmental issues arising from the construction activities should be immediately brought to the attention of the construction Supervision Company Dowha and by them to MDF's environmental safeguards team in order to coordinate efforts and ensure immediate mitigation of impacts, protect the environment and safeguard the health and welfare of the local communities.

2. PART II. ENVIRONMENTAL MONITORING

With reference to MFF 2655-GEO: Sustainable Urban Transport Investment Program – Tranche 2 (SUTIP T2) Environmental Assessment and Review Framework (EARF) is stated that an EMP will be a part of the overall project monitoring and supervision and will be implemented by the Contractor with oversight from the Supervision Consultant (the Engineer) and MDF.

EMP is an integral part of construction contracts. MDF requires the Construction and its Supervision Company to implement construction activities in accordance with the environmental management plan (EMP), which is the part of the initial environmental examination document (IEE) and included in the environmental assessment and review framework.

Based on the EIA's EMP following environmental aspects where monitored and managed during implemented construction activities by supervising company.

- Top soil storage

Top Soil is mainly stored in appropriate manner along the ROW. Some mixture of top soil and stumps and branches has been recorded at Kp 105.00 - 125.00; also mixing and disposing of mixture of topsoil and subsoil in the halls on private land plot has been recorded on 2.05.2014. Contractor has been requested to improve performance. Stockpiles of top soil will be removed to temporary storage area immediately after receiving of official permission.¹

¹ Letter for obtaining an official permission is sent to Tbilisi City hall; the statement for obtaining the permit is issued by Tbilisi City hall

- Subsoil Disposal

Subsoil, excavated from the channel is stored along the ROW or disposed on private lend plot following existing agreement with owner. Subsoil, excavating from PK 40.00 is using for installation of embankment at PK 20.00.

On 05.05.2014 and 16.06.2014 engineer has recorded illegal disposal of spoil near PK130.00 and PK20.00. Contractor was instructed to immediately stop off illegal disposal of spoil. Illegal disposal of spoil was stopped, until receiving of official permission.

- Borrow Pits

Contractor has provided contract with licensed company for one borrow pit².

During reporting period fact of illegal excavation of send gravel mix from private land plot was identified. According to supervisor's information, land owner had not any license for extraction of natural resources.

Contractor was instructed to immediately stop of illegal excavation of material and mentioned activity was stopped.

- Noise

Noise level during implementation of construction activities was in compliance with norms (except small expulsions). During reporting period contractor has checked noise level at areas, close to settlement (See attached Pictures).

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- Air pollution

No significant pollution was observed. During reporting period contractor has measured concentration of emissions of hazardous substances in to ambient air at areas, close to settlement.

- Emission and Dust

During excavation of slope at PK 36.00-40.00 and transportation of excavated material, was generating big quantity of dust. Contractor was instructed for permanent watering of all construction sites without asphalt pavement during dry weather conditions.

- Impact on Flora and Fauna

No damage to Red data list species was recorded.

- Grass Seeding

N/A at the moment

- Cutting/Planting the Trees

At section 3, trees have been felled down by Construction Company without official permission from local municipality and approval of engineer. Cutting of trees at section 1 is going on in accordance with

² In July contracts were signed agreement with other licensed providers of sand-gravel materials.

relevant rules. Red data trees are marked and will not be cut until contractor obtains relevant permission from MoE.³. Restoration plan will be prepared according to the requirements stated in EMP.

- Asphalt Plant

Asphalt plant will be installed on the site. Contractor is planning to sign agreement with environmental consulting company for preparation the documents for environmental permit.

- Waste Management

All types of waste and construction materials are irregular disposed on the territory of camp without any containers and secondary containment containers.⁴

- Archaeology

No archaeological findings have been observed during reporting period.

- Incidents, Accidents & Near Misses

No incidents have been recorded during the reporting period

- Trainings

Environmental training covering waste management, pollution prevention and top soil protection issues for contractor's personnel has been conducted by for contractor's personnel has been conducted by environmental specialist Paata Chankotadze on 06.05.2014.

Soil and Water Contamination (pollution prevention)

Any spillages of oil or other hazardous materials have not been recorded. However, Contractor has not installed secondary containment containers under oil barrels, diesel generators and containers with concrete additives. Contractor was strictly requested as by MDF Environmental Specialist as well as by Supervision Company to carry out corrective actions as soon as possible and ensure Installation of secondary containment containers under all devices, containing hazardous materials and liquids until July.

3. PART III: ENVIRONMENTAL MANAGEMENT

Environmental Management Plan (EMP) has been designed to avoid, reduce, or at least minimize the adverse environmental impacts that could result from the activities during the implementation and operation of the project.

MDF pays sizeable attention to Dohwa to strengthen its activities as Supervisor Company. Weekly meetings were held in regular base with both-management and environmental stuff. Number of notifications was sent to Dohwa requiring improvement of its supervision activities for enhancement of project environmental management.

³ Letter for assistance was sent to Ministry of Environment by Contractor on 14. 07. 2014. Further activities will be carried out only after receiving of notification from MoE how to act in regards to red list trees;

⁴ Waste management plan was approved by the Supervision company with conditions on 12.06.2014, an on 30.07.2014 - approved finally; Disposal of construction materials has been improved later.

Contractor, through the environmental specialist on the team, prepares monthly status reports on the EMP implementation to supervising company. Technical supervisor prepares monthly reports on the status of EMP implementation and environmental performance of the contractor. These reports should be based on the contractor's reports and carry analysis of their contents. Technical supervisor must assess how accurate is the factual information provided in the contractor's reports, fill any gaps identified in them, and evaluate adequacy of mitigation measures applied by contractor. Technical supervisor must highlight any cases of incompliance with EMPs, inform on any acute issues brought up by contractor or revealed by supervisor himself, and propose corrective actions.

However, Progress report of implemented activities, presented by Supervision Company Dohwa with delay (on July 15), did not correspond above mentioned requirements and format was not acceptable for MDF so far. Report was poorly structured; information provided was general and not systematized and in many cases contradictory. Report was not including details on supervision activities and not summarizing the results of weekly and/or monthly monitoring. MDF's environmental and social safeguards specialist has notified Environmental Specialists of Supervision and Constriction Companies that, presented report required significant revision and improvement in order to ensure full compliant with ADB's SPS and EMP requirements and to become acceptable to MDF.

SEMPs for camp site, as well as for sections: 1 and 3 have been prepared by contractor and endorsed by engineer with conditions (on 28.05.2014) that updates will be done latest by 18 July, taking into consideration given notes and remarks.⁵

SEMP for processing of asphalt plant is not ready yet, as asphalt will be needed for the construction works in September. Installation of Asphalt mixing plant according to the Georgian low on Environmental Impact Permit (EIP) is subject to ecological expertise. Contractor will start preparation of the required documentations and procedures for obtaining the permission in July. Time needed for completion of procedures may vary between 1-4 months.

Major tree cutting activities (excluding red list species at section 1) envisaged by EIA have been performed by the contractor. With great efforts of MDF environmental team, document of Inventory of trees was prepared by the contractor before starting tree cutting activities. However, tree cutting at section 3 was implemented by the Construction Company without approval of Supervision Company Dohwa and official permit from relevant authorities. In spite of numerous formal and informal notifications, from MDF and "Dohwa" sides, indicating to follow the safeguards regulations, uncoordinated actions have been undertaken by construction company Sinohydro time to time.

Restoration plans for sections 1 and 3 will be prepared by the Contractor in accordacne to EMP and will be agreed all relevant authorities.

For secondary roads at section 3 IEE document needs to be prepared by DOHWA. Terms of Reference (ToR) for hiring consultant for preparation of IEE for secondary roads of section 3 has been worked out by MDF and provided to DOHWA. Revision of the contract's amendment proposal, reflecting the additional work for preparation of IEE for the secondary road, was carried out. The document should be submitted to MDF in the first week of September. After receiving the draft of the IEE document MDF will send it to ADB for no-objection. ⁶

⁵ SEMPs for section 1 and 3 were approved on 15.07.2014 and SEMP for Camp site on 30.07.2014

⁶ Documents of IEE and LARP for secondary roads of section 3 should be presented to MDF by Dohwa in the of the first week of September. These documents will be considered by environmental and social safeguards team and international consultant on resettlement issues afterwards will be send to ADB.

Management Plans and Method Statement

Status of Management Plans

Management Plan	Status
SEMP for Construction camp	Approved with comments, on 29.05.2014 ⁷
SEMP for construction corridor	Approved with comments on 29.05.2014
Waste Management Plan	Submitted, not approved ⁸
Emergency Response Management Plan	Was submitted on 09.06.2014, is not approved yet
Pollution Prevention Management Plan	Approved
Community Liaison Management Plan	Approved
Cultural Heritage Management Plan	Submitted, not approved
Reinstatement Management Plan	To be submitted by 30.07.2014
Layout plan (draft) of the quarries and borrow pits and a	To be submitted by 30.07.2014
method statement on the proposed work technology	
(crushing technology, measures for the minimization	
of waste) and material transport	

Site inspections and audits

Engineer's field supervising team together with their environmental specialist is conducting daily site visits (23 days per month). All team members have been trained in general environmental issues and pay attention to environmental aspects on all construction sites.

Problematic issue notices

During site inspections following non conformance reports have been sent to contractor:

Date	Subject	Area	Mitigation
23.05.2014	Mixing of top soil with big branches and stumps	PK105-125	The topsoil has been separated from big branches which have been transported to the spoil damp site

⁷ SEMP for camp site was approved on 30.07.2014, and SEMP for sections 1 and 3 on 30.07.2014

⁸ Waste management plan was approved by Dohwa on 30.07.2014

23.05.2014	Fact of mixing of top soil and subsoil	Private land plot, located at PK110	Activity was immediately stopped and the works was continued according to EMP requirements
24.05.2014	Exceeding of max. permissible noise level	Construction office	Engineers office was replaced to the construction camp where the noise level is in compliance
16.06.2014	Fact of illegal excavation of send gravel mix from private land plot	Private land plot, located at PK110	Contractor was instructed to immediately stop of illegal excavation of material and mentioned activity was stopped. Contracts were signed with licensed providers of sand-gravel materials.
16.06.2014 27.06.2014	Illegal disposal of spoil	РК20.00	Activity was stopped. Procedure of obtaining permission is in process.

РК40.00

Not yet improved

Transportation of spoil with open (not

covered) tracks

27.06.2014

27.06.2014	Dust producing on construction sites	РК20.00, РК40.00. РК10.00	Contractor was instructed for permanent watering of all construction sites

Corrective action plans

Contractor has been instructed to improve following environmental issues:

- Top soil protection- store top soil stockpiles in accordance with EMP; avoid mixture of top soil and sub soil;
- Disposal of spoil- prohibit illegal disposal of spoil;
- Improve dust control measures;
- Improve waste management issues on construction camp;
- Prepare and submit/re-submit to engineer management plans, mentioned in EIA and technical specifications of Contract;
- Providing restoration plans.

Grievance Redress Mechanism

MDF facilitates the establishment of a Grievance Redress Committee (GRC) and Grievance Focal Points. Process of establishment of Grievance Redress Mechanize is ongoing. Decree of Executive Director of MDF on creation of Grievance Redress Committee (GRC) is issued. The GRC will comprise from representatives of local authorities, affected parties, and other reputed NGOs or persons, as mutually agreed with the local authorities and affected persons. The role of the GRC is to address the Project related grievances of the affected parties that are unable to be resolved satisfactorily through the initial stages of the Grievance Redress Mechanism (GRM). Candidates from NGOs and local authorities for Grievance Redress Committee (GRC) will be presented to MDF in nearest future.

A N N E X E S

Annex 1 Contractor`s monthly HSE report



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Monthly Report of Safety Management

May, 2014

This monthly report describe the condition of safety, environment, and health during the period of April 22, 2014 and May 22, 2014.

Safety

1. Our project department conducted 3 levels safety education (including plant, workshop, and position education) for the staff of this project including local employees.

2. When the Contractor conducted campsite inspection, we found oxygen bottles was laid close to acetylene bottle, which has been rectified promptly. Considering the site constructional workers lack safety Consciousness, the Contractor has organized safety training to prevent any safety accident. As the high slope is going to be excavated, there is possibility that falling stone would endanger the below vehicles and the traffic system. In order to strengthen discipline implement and skip violation habits.

3. Safety education has been given to the lumbering workers at Ramp B of PK105+00, PK171+00, PK128+10. Safety warning board has been installed to ensure the safety of traffic flow.

4. Before the debugging and installation of gravel pile, safety education is given to site operator. The method of fastening safety belt is corrected.

5. Before the installation of HLS60 mixing plant, safety education is given to the site workers. For those who work high above ground, the quality of safety belt should be checked to eliminate all risky factors.

6. The constructional workers are reminded to wear all kinds of safety protection articles, such as safety hamlet, safety belt, protective mask, glove, etc. to prevent them from any hurt.

Health

The staff of this project including local employees are kept in a good health condition. The food materials is carefully checked to ensure the safety of food. Our project conducts regular inspection to kitchen to keep it tidy and clean. Besides great concern is paid to the allocation of

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nutrition. In order to keep the balance of diet, every employees is given fruit during the dinner time.

Environment

In this month, no environmental pollution has been observed due to our construction. The air quality of construction site and campsite should meet the required standard and Georgian legislation. In May, our project department conducted the monitoring for dust and sound at PK27+00, PK112+00, PK135+00. Our project pays great concern to the environmental protection and civilized construction. Beyond that, we have signed agreement with Rustavi waste clearance unit, so as to entrust them to clear the waste of campsite. As soon as the campsite has been constructed, personnel is to be assigned to take charge of sanitary works.

Accident

No casualty, injury, traffic accident, fire accident and food poisoning happened in this month.

Encl. :

1. Dust and Noise Test Form of Modernization of Tbilisi-Rustavi Road Project (May, 2014);

2. Photos regarding activities of safety, environment, health.

					9.8. 9 W							
	Du	ist and No	Dust(n	Porm of M	Iodernizati	on of Tbilis	i-Rustavi I	Road Proje	ct (May, 2 Noise	(DB)		
Location	5 th day	15 th day	25" day	average	criterion	standard	5 th day	15 th day	25 th day	average	criterion	stan
PK26+00	0.052	0.054	0.052	0.053	0.054	0.05	83	81	84	84	85	75
PK135+00	0.044	0.040	0.003	0.042	0.045	0.05	74	73	76	75	76	75
Photoes regarding	g activitie Dust test	es of safe conducted at	ety PK27+00	KEIT I		N	oise test con	ducted at PK2	17+00	1		
		PK	7		3							
SINGHYDRO High slo	ope prevention o	conducted at	PK38+60			The barrie	格鲁吉亚 Tbil	isi-Rustavi K105 for road	公路改造 <i>项目</i> I half constru	<i>部安全月3</i> ction	授	
SINGHYDRO High slo	pe prevention o	conducted at	PK38+60			The barrie	橋書吉亚 Toil rs taken at Pi	Lai Husteri : K105 for road	公路改造 <i>项目</i> d half constru	<i>部安全月</i> 3 stion	₩	

Annex 2



Propose schedule of implementation of construction activities

No. It	a	Q.T.Y	UNIT	MORK	START TIME	FINISH TIME	2014/4	2014/5	2014/6 2014/7 20	14/8 2014/9	2014/10 2014	/11 2014/12	2015/1 2011	5/2 2015/3	2015/4	2015/5 201	5/6 2015/7	2015/8 2
3.6.2.1	3.6.2.1 Subbase	6962	m3	45 d	2015/2/16	2015/4/1	2016 1 32021	4 1 1 1 822	1 8 1 5 2 2 9 6 1 3 20 27 3	101724317442128	5 121926 2 9	162380 7 142125	4 h1h825 1 8 2/16	152211 8 152	229 5 1 21 926	3 10172491 7	142128 5 121	spel 2 9 1 62390
3.6.2.2	3.6.2.2 Lower layer of base course	9152	m2	45 d	2015/4/2	2015/5/16								4/		5/16		
3.6.2.3	3.6.2.3 Upper layer of base course	7696	m2	20 d	2015/6/16	2015/7/5									-	6/16	7/5	1 1
0 3.6.2.4	3.6.2.4 Binder course	7696	m2	20 d	2015/7/6	2015/7/25											7/6	7/25
1 3.6.2.5	3 6 2 5 Wearing course	7696	m2	20 d	2015/7/26	2015/8/14											7/26	8/14
2 3.6.3	3.6.3 Reinforced concrete barrier	4106	m	90 d	2015/5/17	2015/8/14										117		B/14
3.6,4	3.6.4 Hand Over This Section to Employer and Openning the Traffic	1	u	0.0	2015/8/14	2015/8/14												● 8/14
	4 MM2+700-KMH+000 Huget BildetNew)		_	285 d	2014/8/1	2015/2728												
5 4.1	4.1 Relocation of Utilities	1		90 d	2014/6/1	2014/8/29												
6 4.1.1	4.1.1 Get the permit from Ubility Owner	1	u	30 d	2014/6/1	2014/6/30		6/1	6/30									
7 4.1.2	4.1.2 Choose Subcontractor and get approvel from Engineer	1	u	10 d	2014/7/1	2014/7/10			2/1 2017/10									
8 4.1.3	4.1.3 Construction of Utilities works	1	u	50 d	2014/7/11	2014/8/29			7/11	8/29								
0 4.2	4.2 Earthworks	1		150 d	2014/7/1	2014/11/27												
0 4.2.1	4.2.1 Excavation of road bed	128385	m3	150 d	2014/7/1	2014/11/27			h 🗖			11/27						1
4.2.2	4.2.2 Fill of road bed	11846	m3	60 d	2014/9/29	2014/11/27				9/29	-	11/27						1 1
2 4.3	4.3 Road Pavement	1		85 d	2014/11/28	2015/2/20												
3 4.3.1	4.3.1 Subbase	7123	m3	25 d	2014/11/28	2014/12/22					11/	28 20 12	/22					
4 4.3.2	4.3.2 Base course	18485	m2	25 d	2014/12/8	2015/1/1						12/8	1/1					
6 4.3.3	4.3.3 Binder course	17076	m2	25 d	2015/1/2	2015/1/26						1/2	1/26	0				
8 4.3.4	4.3.4 Wearing course	17076	m2	25 d	2015/1/27	2015/2/20							1/27	2/20				
4.3.5	4.3.5 Reinforced concrete barrier	1232	m	45 d	2014/12/18	2015/1/31						12/18	1/0	22	100			
10 4.4	4.4 Hand Over This Section to Employer and Openning the Traffic	0		0 đ	2015/2/20	2015/2/20								\$ 2/20	1			
0 5	5 HM2+700-WM4+000 Luft Mide(Excitiling)	1		199.6	2015/2721	3955/377												1 1
0 5.1	5.1 Relocation of Utilities	1	each	120 d	2015/2/21	2015/6/20												
5.1.1	5.1.1 Get the permit from Utility Owner	1	U	30 d	2015/2/21	2015/3/22							3/2	•	3/22			1
8 5.1.2	5.1.2 Choose Subcontractor and get approvel from Engineer	1	u	10 d	2015/3/23	2015/4/1								3/23	4/1			
3 5.1.3	5.1.3 Construction of Utilities works	1	u	80 d	2015/4/2	2015/6/20								4/	2		6/20	1 1
4 5.2	5.2 Earthworks	1		67 d	2015/4/22	2015/6/27								10				
5 5.2.1	5.2.1 Cut oftop soil	555	m3	30 d	2015/4/22	2015/5/21									4/22	5/21		
6 5.2.2	5.2.2 Excavation of road bed	14031	m3	30 d	2015/5/22	2015/6/20										6/22	6/20	
7 5.2.3	5.2.3 Fill of road bed	39214	m3	30 d	2015/5/29	2015/6/27										5/29	6/27	-
5.3	5.3 Road Pavement	1		72 d	2015/6/28	2015/9/7												
9 5.3.1	5.3.1 Subbase	7123	m3	30 d	2015/6/28	2015/7/27										6	/28	7/27
5.3.2	5.3.2 Base course	18485	m2	30 d	2015/7/13	2015/8/11								100			7/13	8/11
1 5.3.3	5.3.3 Binder course	17076	m2	15 d	2015/8/12	2015/8/26												8/12 -8/
2 5.3.4	5.3.4 Wearing course	17076	m2	12 d	2015/8/27	2015/9/7												8/27 🎽
3 5.4	5.4 Lower gabion wall(PK38+01.5-PK38+68.0)	625	m3	30 d	2015/6/28	2015/7/27								1		6	1/28	7/27



					AGUANC CHANNESS	第比利	斯·鲁斯塔维(TR)公路改造项目总进度计划
(A No. Ite ≩	8	Q.T.Y	UNIT	MORK PERIOD	START TIME	PINISH TIME	2014/4 2014/5 2014/6 2014/7 2014/6 2014/9 2014/10 2014/11 2014/12 2015/1 2015/2 2015/3 2015/4 2015/5 2015/6 2015/7 2015/9 2015/7 2015/9 2015/7 2015/9
0 7.2.1	7.2.1 Get the permit from Utility Owner	1	U	10 d	2015/4/27	2015/5/6	4/27 🍑 6/8
1 7.2.2	7.2.2 Choose Subcontractor and get approvel from Engineer	1	U	10 d	2015/5/7	2015/5/16	5/7 🏜 5/16
2 7.2.3	7.2.3 Construction of Utilities works	1	U	40 d	2015/5/17	2015/6/25	\$/17 5 /25
3 7.3	7.3 Earthworks	3		60 d	2015/5/12	2015/7/10	
4 7.3.1	7.3.1 Excavation of road bed	95832	: m3	60 d	2015/5/12	2015/7/10	5/12 2
5 7.3.2	7.3.2 Fill of road bed	189975	m3	60 d	2015/5/12	2015/7/10	s/12
6 7.4	7.4 Road Pavement	1		76 d	2015/6/26	2015/9/9	
7 7.4.1	7.4.1 Concrete Pavement - Main Road	,		45 d	2015/6/26	2015/8/9	
8 7.4.1.1	7.4.1.1 Subbase	34411	m3	20 d	2015/6/26	2015/7/15	6/28 +)7/16
9 7.4.1.2	7.4.1.2 Lower layer of base course	81455	m2	20 d	2015/7/1	2015/7/20	7/1
0 7.4.1.3	7.4.1.3 Concrete pavement	74875	m2	20 d	2015/7/6	2015/7/25	7/6
1 7.4.1.4	7.4.1.4 Construction of shoulders with sand and gravel	3757	m3	15 d	2015/7/26	2015/8/9	7/28 🃥 6/9
2 7.4.2	7.4.2 Concrete Pavement - Ramps and Intersections	1		27 d	2015/7/16	2015/8/11	
3 7.4.2.1	7.4.2.1 Subbase	5976	m3	10 d	2015/7/16	2015/7/25	7/18 20,7/25
4 7.4.2.2	7.4.2.2 Base course	7122	m2	10 d	2015/7/26	2015/8/4	7/28
5 7.4.2.3	7.4.2.3 Concrete pavement	6115	m2	7 d	2015/8/5	2015/8/11	8/5 8/11
8 7.4.3	7.4.3 Asphalt Pavement - Ramps and Intersections		-	46 d	2015/7/26	2015/9/9	
7 7431	7.4.3.1 Subbase	12601	m3	10 d	2015/7/26	2015/8/4	7/28
8 7432	7.4.3.2 Lower layer of base course	22356	m2	10 d	2015/8/5	2015/8/14	8/14
0 7.4.3.3	7.4.3.3 Upper layer of base course	24809	m2	10 d	2015/8/15	2015/8/24	9/16 9/24
07434	7.4.3.4 Binder course	24805	m2	8 d	2015/8/25	2015/9/1	8/25 - 8/
7435	7.4.3.5 Wearing course	24805	m2	8 d	2015/9/2	2015/9/9	1/2 L
0.7.5	7.5 Reinforced concrete barrier	13065	m	50 d	2015/7/16	2015/9/3	
0.76	7.6 Hand Over This Section to Employer and Openning the Traffic			0 d	2015/9/3	2015/9/3	
1	Eligine and Overnam		-	100.0	2014/5/22	2015/7/25	
	8.1 Overnars ok 21480			163.4	2014/5/22	2014/10/31	
	8 1 1 Deservators under			10.4	2014/5/22	2014/6/1	
0.1.1	B.1.1 Preparatory works		each	10.4	2014/0722	20147071	6/22
0.1.2	e.1.2 remporary resolution of gas pipe			100	2014/5/22	2014/5/31	0/22/ 0/32
0.1.3	0.1.0 res(20.7m,079.0m)	- 20	NO	30 d	2014/0/1	2014/0/30	6/1 6/1 6/10
0.1.4	o.v.4 Concrete for substructures		each	45 0	2014/7/1	2014/8/14	
0 8.1.5	o.t.o Launching of Deam	18	u	18 d	2014/8/15	2014/9/1	8/15 3/1
8,1.6	e, 1.6 Deck paving	1	each	30 d	2014/9/2	2014/10/1	9/2
2 8.1.7	o. 1.7 Ancillary facilities of bridge		each	30 d	2014/10/2	2014/10/31	10/2 10/31
3 8.2	8.2 Bridge pk35+00 Right Side			114 d	2014/9/28	2015/1/19	
14 18.2.1	8.2.1 Preparatory works	1	each	7 d	2014/9/28	2014/10/5	9/28 🔤 410/5
0.00.00.00	8.2.2 Piles(10.2m,285.6m)	14	NO.	12 d	2014 / 10 / 20	2014/10/31	10/20 - 10/31
5 8.2.2			100	30.4	2014/11/1	2044144124	110

R No. It	a .	Q. T. Y	UNIT	MORK	START TIME	PINISH TIME	014/4 2014/5 2014/6 2014/7 2014/8 2014/9 2014/10 2014/11 2014/12 2015/1 2015/2 2015/	3 2015/4 2015/5 2015/6 2015/7
8.2.4	8.2.4 Launching of beam	9	u	5 d	2014/12/1	2014/12/5	s (ka)zologi (4 (k 1) ka)zologi (5 (ka)zologi (5 (ka)zolo	<u>#22129 5 12119 26 3 10 17 24 51 7 14 21 28 5 5 2 19 5</u>
8.2.5	8.2.5 Deck paving	1	each	15 d	2014/12/6	2014 / 12 / 20	12/6 -12/20	
8.2.6	8.2.6 Ancillary facilities of bridge	1	each	30 d	2014/12/21	2015/1/19	12/21 1/19	
8.3	8.3 Bridge pk36+16.5 Right Side	1		114 d	2014/10/10	2015/1/31		
8.3.1	8.3.1 Preparatory works		each	7 d	2014/10/10	2014/10/17	10/10 - 10/17	
8.3.2	8.3.2 Piles(10.2m,285.6m)	14	NO.	12 d	2014/11/1	2014/11/12	11/1 - 11/12	
8.3.3	B.3.3 Abutments	1	NO.	30 d	2014/11/13	2014/12/12	11/13 - 19/19	
834	8.3.4 Launching of beam	9	U U	5 d	2014/12/13	2014/12/17	19/13 5 19/17	
835	8.3.5 Deck paving	1	each	15 d	2014/12/18	2015/1/1	12/18 1/1	
83.6	8.3.6 Ancillary facilities of bridge	1	each	30 d	2015/1/2	2015/1/31	10 101	
0.4	8 A Bridge sk35400 Laft Side		- Casto	70 d	2046/4/22	2046/7/0	1/2, 1/01	
841	8.4.1 Preparatory work-		aarb	7.4	2015/4/22	2015/4/20		
0.4.1	e.e. Preparatory works		each	10	201014122	201014128		4/22 4/28
0.4.2	o A 2 Pres(10.2m,200.0m)	14	NO.	150	2015/4/29	2010/0/13		4/29 6/13
0.4.3	d.4.3 Abuments	,	NO,	aud	2015/5/14	2015/6/12		6/14 6/12
8.4.4	8.4.4 Launching of beam		u	5 d	2015/6/13	2015/6/17		6/13 6/17
8.4.5	8.4.5 Deck paving	1	each	7 d	2015/6/18	2015/6/24		8/18 6/24
8.4.6	8.4.6 Ancillary facilities of bridge	1	each	15 d	2015/6/25	2015/7/9		6/25 - 7/9
8.5	8.5 Bridge pk36+16.5 Left Side	1		79 d	2015/5/7	2015/7/24		
8.5.1	8.5.1 Preparatory works	1	each	7 d	2015/5/7	2015/5/14		5/7 6/5/14
8.5.2	8.5.2 Piles(10.2m,285.6m)	14	NO.	15 d	2015/5/14	2015/5/28		6/14 5/28
8.5.3	8.5.3 Abutments	1	NO.	30 d	2015/5/29	2015/6/27		5/29 6/27
8.5.4	8.5.4 Launching of beam	9	u	5d	2015/6/28	2015/7/2		6/28 🎽 7/2
8.5.5	8.5.5 Deck paving	1	each	7 d	2015/7/3	2015/7/9		7/3 🎽 7/9
8.5.6	8.5.6 Ancillary facilities of bridge	1	each	15 d	2015/7/10	2015/7/24		7/10 🏜
8.6	8.6 Bridge pk125+48.5	1		121 d	2014/7/1	2014/10/29		
8.6.1	8.6.1 Preparatory works	1	each	7 d	2014/7/1	2014/7/7	¢∩ 🏜 7/7	
8.6.2	8.6.2 Piles(25.2m,324.8m)	28	NO.	30 d	2014/8/4	2014/9/2	8/49/2	
8.6.3	8.6.3 Abutments	4	u	30 d	2014/9/3	2014/10/2	9/3 10/2	
8.6.4	8.6.4 Launching of beam	18	u	5 d	2014/10/3	2014/10/7	10/3 \$ 10/7	
0.6.5	8.6.5 Deck paving	1	each	7 d	2014/10/8	2014/10/14	10/8 📥 10/14	
7 8.6.6	8.6.6 Ancillary facilities of bridge	1	each	15 d	2014/10/15	2014/10/29	10/15 🍋 10/29	
8.7	8.7 Overpass pk128+10	1		117 d	2014/6/26	2014 / 10 / 20		
9 8.7.1	8.7.1 Preparatory works	1	each	7 d	2014/6/26	2014/7/3	5/28 🛶7/3	
8.7.2	8.7.2 Piles(25.2m,705.6m)	28	NO.	30 d	2014/7/3	2014/8/1	7/3 2/1	
8.7.3	8.7.3 Concrete for substructures	1	each	45 d	2014/8/2	2014/9/15	8/2	
8.7.4	8.7.4 Launching of beam	16	u	10 d	2014/9/16	2014/9/25	9/16 59/25	
8.7.5	8.7.5 Deck paving	1	each	10 d	2014/9/26	2014/10/5	9/28 210/8	
87.6	8.7.6 Ancillary facilities of bridge		each	15 d	2014/10/6	2014/10/20	10/6 2 10/20	

값 No. Ite	a.	Q. T. Y	UNIT	WORK RETING	START TIME	PINISH TIME	
5 8.8	8.8 Overpass pk167+50 Right Side	1		92 d	2014/9/3	2014/12/3	skon is Reference from to 101 usubil. Laterbole fa holeolol. Laterbole is holeolol. L
8.8.1	8.8.1 Preparatory works	1	each	7 d	2014/9/3	2014/9/9	9/3 🎽 9/9
8.8.2	8.8.2 Piles(25.2m,1461.6m)	58	NO.	45 d	2014/9/5	2014/10/19	9/5
8.8.3	8.8.3 Concrete for substructures	1	each	30 d	2014 / 10 / 20	2014/11/18	10/20
8.8.4	8.8.4 Launching of beam	22	U	15 d	2014/11/19	2014/12/3	11/19 🏊 12/3
8.9	8.9 Overpass pk167+50 Right Side			75 d	2015/5/12	2015/7/25	
8.9.1	8.9.1 Launching of beam	22	u	15 d	2015/5/12	2015/5/26	5/12×===>5/26
8.9.2	8.9.2 Deck paving		each	30 d	2015/5/27	2015/6/25	8/27
8.9.3	8.9.3 Ancillary facilities of bridge		each	30 d	2015/6/26	2015/7/25	8/28 7/25
8.10	8.10 Foot Bridge pk114+95	1	10000	192 d	2014/10/20	2015/4/29	
8.10.1	8.10.1 Preparatory works		each	70	2014 / 10 / 20	2014/10/26	10/20 10/26
8.10.2	8.10.2 Piles(8m/12m/25.2m.191.2m)	10	NO.	10 d	2014/10/27	2014/11/5	10/27 -11/8
8.10.3	8.10.3 Concrete for substructures	1	each	20 d	2014/11/6	2014/11/25	11/8 11/25
8.10.4	8.10.4 Launching of beam		U	5 d	2015/4/25	2015/4/29	4/35 4/29
8,11	8.11 Foot Bridge pk137+70			180 d	2014/11/6	2015/5/4	
8111	8.11.1 Preparatory works		each	7 d	2014/11/6	2014/11/12	11/4 - 11/10
8112	8 11 2 Piles/Rm/12m/25 2m 101 2m)		NO	10.4	2014/11/13	2014/11/22	1100
0.11.3	8 11 3 Concrete for substructures		aach	20.4	2014/11/23	2014/12/12	
8.11.4	8 11 4 Launching of heart		encer .	5.4	2015/4/30	2015/5/4	1/20 - 12/18
8.12	8 12 East Bridge pk161±10			168.4	2014/11/23	2015/5/9	
0.121	0.12.1 Dran and an under			7.4	2014/11/22	2014/11/20	
8122	8 12 2 Dilas/Rm/12m/25 2m 101 2m)		NO	10.4	2014/11/20	2014/12/0	
8123	6.12.2 President Language and Language		aach	20 d	2014/12/10	2014/12/20	
0.12.4	6.12.5 Concrete for subsectioners		eace	5.4	2014712710	2015/5/5/0	12/10 12/20
0.13	9 12 Constate how subverte and Drainage		NO	1004	2014/8/8	2015/5/21	
8.13	8.13 Concrete box cuiverts and Drainage	38	NO.	360 a	2014/6/6	2015/5/31	
8.13.1	8.13.1 Concrete box culverts	38	u	360 d	2014/6/6	2015/5/31	6/8 5/31
8.13.2	8.13.2 Drainage system	1	現	300 d	2014/0/0	2015/4/1	6/6 - 4/1
	Clearance & accentance			10.0	2015/8/4	200 L C . C . C . C	
9.1	9.1 Site Clearing	1	each	7 d	2015/9/4	2015/9/10	9/4
9.2	9.2 Check and acceptance on completion	1	each	3 d	2015/9/11	2015/9/13	9/11 6
9.3	9.3 Completion and hand-over	1	each	0 d	2015/9/13	2015/9/13	

fbilisi-Rustavi Highway			
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			NODY
NONCONFOR	MANCE DEDO	DT	NCR NO.: 6
nonconfor	MAILCE REI U		Issue Date : 23.05.14
Contractor/Section No.	Sinohydro/	RespOrg.	Cheng Tingli .
WORK(Product)	top soil stor-	Location	KP13
DWG/Doc. No.		Revision No.	
Nonconforming Condition	Requirements	Attachment	Yes , No .
privait las	not plot	and	egogite , 100,000
IOP SOLC S CUNCL Stored CUNCL ELA ~ StoP (CUNSPORT Initiated by: Name/Signat Disposition □ Use a	houbel 6 d · In acc equirement icn of top ure/Date 23.05.14 sis □Repair	C VCAA G VCAA SCIC PLCA SCIC PLCA SCIC PLCA SCIC PLCA MICOVERIFIES ■ Rework	Doved from ho ce with EMP se immediated photo untill ged by:
Disposition by:	houbel o gui remens ficm of for ure /Date 7305.19 sisRepair	e 'gn g t el eth 5 . pl ea seil t e ul ecverified □ Rework	Doved from ho ce with Eff se immediate mediate production pr
Disposition by : Name /Signat	nature /Date Result of J Result of J	e g t l d d h S ple S ple d d d d d S ple d d d d d S ple d d d d S ple d d d d S ple d d d d S ple d d d d S ple d d d d d d d d S ple d d d d	by: Name /Signature /Date Name /Signature /Date Name /Signature /Date
Disposition by: Name/Signat Disposition by: Name/Signat Name/Signat Name/Signat Name/Signat	mature /Date mature /Date mature /Date mature /Date Result of Jop mature /Date	e Yen g Yene Scie Gene Gene Gene Gene Gene Gene Approved Re-inspection : I	1000ed ff0m, high 100ed with Entry 100m medicately <
IOP SOL (S	nature /Date	e 'Yen g Y en et g Y en et g y en et gene verified □ Rework Approved Re-inspection : t	by:

bilisi-Rustavi Highway			Supervision
			NCR No. : 7
NONCONFORM	IANCE REPO	RT	Issue Date : 23.05.14
Contractor/Section No.	Sinohydro/	RespOrg.	Cheng Tingli
WORK(Product)	site cleavance	Location	KP II
DWG/Doc. No.	-	Revision No.	
IS POULUHEN FULCES. Hy ces sho Initiated by: <u>P. Cheinki</u> <u>Name / Signatu</u> Disposition = Use-as-	Belore Weld be	Leavin Check 5.14 Verified □ Rework	tom /g Cls of g of RoW ied Name/Signature/Date
Disposition by :	noturo (Data	Approved	d by :
Verification of Final Disposition Implementation	Result of F	Re-inspection : [Accepted, Rejected
Verified by : Name /Signat	ure /Date	Approve	d by : Name /Signature /Date
			the second s

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NONCONFORM			NCR No. : 5
NONCONFORM	AANCE REPO	ORT	Issue Date : 23.05.14
Contractor/Section No.	Sinohydro/ ·	RespOrg.	Chang Tingli .
WORK(Product)	site clearan	Location	KP 11-12
DWG/Doc. No.		Revision No.	
Nonconforming Condition/I	Requirements	Attachmen	t: Yes , No .
Top soil .	temoved ;	from	construction
corridor	s mixeel	with	stumps and
Baranchas	Sumpe in	nel m	big Branches
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should be	al moved	i cono	1)101001 011
dump site	and the second second	-	
Initiated by D Chry white	taling XI	and the second second	a state of the second se
initiated by, P. Marthall	all a gri	Verified	iby:
"Name /Signatu	Ill a By re/Date 9/23	05.14 Verified	t by : Name /Signature /Date
Name /Signatu Disposition □ Use-as	is □Repair	Verified 05.14 □ Rework	1 by :Name /Signature /Date □ Regrade □ Reject/Scrap
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Disposition Use-as	<u>tul d</u> GY re./Date GY 73. isRepair	Verifier 05.14 Brework	1 by :Name /Signature /Date □ Regrade □Reject/Scrap
Disposition □ Use-as	<u>ire</u> ./Date <u><u><u></u><u></u><u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u></u></u></u>	Verifier 05.14 □Rework	1 by : Name /Signature /Date □ Regrade □ Reject/Scrap
initiated by	<u>tull de BY</u> re./Date <u>BY</u> is ⊡Repair	Verifier 05.14 □Rework	1 by :Name /Signature /Date □ Regrade □ Reject/Scrap
Disposition by :	is □Repair	Verifier 05.14 □Rework	tby:Name/Signature /Date □ Regrade □ Reject/Scrap
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Disposition by :	<u>is</u> □Repair <u>is</u> □Repair <u>nature /Date</u> Result o	Verifier 05.14 Prework Approve f Re-inspection :	tby :

				Supervis
	NONCOM			NCR No. : 9
	NONCONFORM	MANCE REI	PORT	Issue Date : 24.05.14
	Contractor/Section No.	Sinohydro/	RespOrg.	Cheng Tingli
	WORK(Product)	festing of mo	1/enal Location	Office
	DWG/Doc. No.		Revision No.	
1	Nonconforming Condition Durcing te. in engineer permissable is 50 ab. Please do marerials find except	Requirements sting ct level c not car of wring fable	Attachment May eril e exceed at noise work	in the office testing of ing ours, or
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0	Initiated by: Name/Signat Disposition Use-a	<u>IP.Cháip</u> hư ure/Date <u>24.03</u> s-is □Repair	Dework	I by : Name /Signature /Date Regrade Reject/Scrap
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			NCR No.: 207
NONCONFORM	ANCE REP	ORT	Issue Date : 27.06.14
Contractor/Section No.	Sinohydro/	RespOrg.	Mry Tineri
WORK(Product)	Esecarociting of Row, constr. of	Location	KP2, KP4, KP10
DWG/Doc. No.	camp	Revision No.	and the second second
During in activities, p KP 101 construct of Aust. please tions Aurin	mplement ourdicula ction cal pray with g const	(ation n ad mp) is ater at	of construction KP2, KP4 and producing a dusty loca
Initiated by: <u>P. [hanko]</u> Name /Signature Disposition □ Use-as-in	<u>NC/2</u> <u>G</u> Date <u>G</u> s □Repair	Verified 2 <u>7.06.14</u> □ Rework	by:
Initiated by: <u>P. [hank Ohd Name /Signature</u> Disposition 🗆 Use-as-in	<u>vC/ze</u> <u>a/Date</u> s □Repair	Verified <u>2.06.14</u> □ Rework	by:
Initiated by: <u>P. [hanko]d</u> Name /Signature Disposition	ture /Date	Verified 2 <u>7.06.14</u> □ Rework	by:
Initiated by: <u>P. [hankohd</u> Name /Signature Disposition □ Use-as-is Disposition by : Name /Signa Verification of Final Disposition Implementation	ture /Date Result of	Verified	by:
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Tbilisi-Rustavi Highway Supervision NCR No. : NONCONFORMANCE REPORT Issue Date : 27.06.14 Contractor/Section No. Sinohydro/ Resp..Org. Exequivation of WORK(Product) Location Revision DWG/Doc. No. No. Attachment : Yes D, No D Nonconforming Condition/Requirements In spite of NCR NIT, Mated 16.06.2014, illegal disposal of spoil at KP2 is still going on. Please immediately stop illegal disposal of spoil untill receiving of pritten permission Initiated by: P. Verified by : Name /Signature /Date Name /Signature /Date 06.14 Disposition □Repair □ Use-as-is □ Rework □ Regrade □Reject/Scrap Disposition by : Approved by : Name /Signature /Date Name /Signature /Date Verification of Final Result of Re-inspection : □ Accepted, □ Rejected **Disposition Implementation** Verified by : Approved by : Name /Signature /Date Name /Signature /Date Nonconformance Report Received by Eric Issue Date May 2014 27.6.2014

Tbilisi-Rustavi Highway Supervision NCR No. : / X NONCONFORMANCE REPORT Issue Date : 27. 06.14 Mr. Tingli Contractor/Section No. Sinohydro/ Resp..Org. excusation of slope WORK(Product) KP4 Location Revision DWG/Doc. No. No. Nonconforming Condition/Requirements Attachment : Yes D, No D Contractor's tracks transport speil with open (not covered) bag. Please immediately stop activity before covering of tracks. P. Chankolada Initiated by: Name /Signature /Date Disposition Repair □ Use-as-is C Rework □ Regrade □Reject/Scrap Disposition by : Approved by : Name /Signature /Date Name /Signature /Date Verification of Final Result of Re-inspection :
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			NCR No. : 27
NONCONFOR	RMANCE REF	PORT	Issue Date : 16.06. 20
Contractor/Section No.	Sinohydro/	RespOrg.	
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WORK(Product)	encer of SU	A Location	PKEI
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Construction camp Diesel generators without secondary containment devise

Construction camp Diesel tanks without secondary containment devise

Construction camp

Containers with concrete additives without secondary containment devise

Construction camp

Oil barrel without secondary containment devise

PK 130.00

Illegal disposal of spoil

Annex 5

Implementation report on the environmental impact assessment (EIA)/initial environmental examination (IEE) mitigation requirements

Reference	Requirement	Action to date	Action required/comment
Material supply	Possession of official approval or valid operating license for supply of materials (asphalt, concrete, gravel)	Preparation of "The technical report on inventory of emissions of atmospheric air pollutions from stationary sources".	Document is ready and has been submitted to MoE for approval, but has not been approved yet.
		Contractor has not own borrow pit and delivers sand-gravel mix from sub contractor. During reporting period fact of illegal excavation of send gravel mix from private land plot was identified. According to the supervisor's information, owner had not any license for extraction of natural resources.	Contractor was instructed to stop illegal activity. Contract was signed agreement with different licensed provider of sand-gravel materials.(please, see the footnote 2)
		Asphalt plant installation of asphalt mixing plant according to Georgian law on Environmental impact permit (EIP) is subject to ecological expertise. Time needed for completion of procedures may vary between 1-4 month	Contractor is planning to sign agreement with environmental consulting company for preparation of documents for Environmental Impact Assessment for asphalt plant, which will be installed at construction camp site.

Material transport according to the schedule and routes	Truck loads covered/ wetted		Contractor's tracks were transporting materials without covering	Contractor was instructed that all tracks should be covered during transportation of dry materials	
Top-soil stripping stage	Top-soil storage Erosion control		Top soil has been stored along RoW in compliance with EMP (except several small exceptions)	Removal of stored top soil to temporary storage area in accordance with EMP and license from local authorities	
Protection of population and workers	Limitation Of	Noise level	In general in accordance with standards	Permanent measuring of noise level near settlement and near loud equipment for protection of local population and workers	
	Dust and Air pollution (solid particles, suspended solids, flying heavy metal particles)	Follow pollution prevention plan and EMP (Cover tracks, transporting dusty materials; timely watering of all unpaved roads, used by project cars etc.)	Some non-compliances have been served: contractor`s tracks were transporting materials with open bags; watering of roads, using for transportation of Construction materials and spoil is not enough	Contractor was constructed to cover trucks with special covers and for permanent watering of all construction sites	
	Vibration	In accordance with standards	Shorted working day for workers, using vibrated equipment		
Waste management	Proper material storage, handli soil quality (sus etc)	and waste ng, use Water and spended solids, oils,	Waste management needs improvement: all types of waste and construction materials are disposed irregularly on the territory of construction camp	Install waste containers for each type of waste, keep construction materials in covered warehouses, sign contracts with relevant subcontractors for final disposal of all types of hazardous and non- hazardous waste. Disposal of construction materials has been improved later(please, see footnote 4).	

Pollution prevention	Equipment maintenance and fuelling	Pollution prevention management needs improvement	All containers and barrels with hazardous substances, diesel generators, containers with concrete additives (in case if they have not safety certificate, or they are hazardous for environment) should be disposed on secondary containment containers. Contractor should train oil spill response team and provide oil product absorbents kit for them and oil absorbents for all workshops and fuelling stations (stationary and mobile one)
Impacts on archaeological sites	Protect potential archeological sites	Non compliances have not been	Provide relevant training for operators of
and remnants; anthrax hazard	from damage	recorded	excavators and foremen
Reinstatement of work sites		N/A	