

# Integrated Environmental and Social Safeguards Monitoring Report

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Semi-Annual Report (July-December 2020)  
March 2021

## Cambodia: Rural Roads Improvement Project III

Prepared by Korea Consultants International Co., Ltd in sub-consultancy with Khmer Associates Consulting Engineers Ltd, Moha Engineering & Consulting Co., Ltd and Khmer Consultant Engineering Corporation for the Ministry of Rural Development, the Kingdom of Cambodia and the Asian Development Bank.

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KINGDOM OF CAMBODIA  
NATION RELIGION KING



MINISTRY OF RURAL DEVELOPMENT

**ADB LOAN 3678-CAM (COL)/GRANT 0581-CAM (SF)  
RURAL ROADS IMPROVEMENT PROJECT III**

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# **SEMI-ANNUAL INTEGRATED ENVIRONMENTAL AND SOCIAL SAFEGUARDS MONITORING REPORT**

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**(Period of Monitoring: July ~ December 2020)**

**January 2021**

**(Revised submission on 31 March 2021)**



KOREA CONSULTANTS INTERNATIONAL CO. LTD.

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## ABBREVIATIONS

ADB	Asian Development Bank
CEMP	Contractor's Environmental Management Plan
COI	Corridor of Impact
CPF	community participation framework
CSI	consulting services for implementation
CW	civil works
DBST	double bituminous surface treatment
DDIS	Detail Design and Implementation Supervision
DDR	Due Diligence Report
DED	Detailed Engineering Design
DMF	Design and Monitoring Framework
DOE	Department of Environment
EMP	environmental management plan
GRC	Grievance Redress Committee
GRM	Grievance Redress Mechanism
HH	household
HHTPP	HIV/human trafficking prevention and awareness program
HIV/AIDS	human immunodeficiency virus/acquired immune deficiency syndrome
IEE	initial environmental examinations
KCI	Korea Consultants International
LGAP	labor and gender action plan
MCFA	Ministry of Culture and Fine Arts
MEF	Ministry of Economy and Finance
MOE	Ministry of Environment
MRD	Ministry of Rural Development
MOWRAM	Ministry of Water Resources and Meteorology
NR	National Road
PAM	project administration manual
PDRD	provincial department of rural development
PIU	project implementation unit
PMU	project management unit
PSA	poverty and social assessment
RGC	Royal Government of Cambodia
RRIP	Rural Roads Improvement Project
SEO	social and environment office
SPS	Safeguard Policy Statement (ADB 2009)
TOR	terms of reference
USD	United States Dollar
UXO	unexploded ordnance
VDC	village development committee

## Basic Data

### Project Details

Project Title: Rural Roads Improvement Project III  
Executing Agency: Ministry Rural Development

### Loan and Grant Details

Loan Number: 3678-CAM (COL)  
Loan Amount: US\$ 58.5 Million  
Grant Number: 0581-CAM (SF)  
Grant Amount: US\$ 1.5 Million  
Borrower: Ministry of Economy and Finance  
Loan/Grant Signed: 6 July 2018  
Loan Effectiveness: 29 August 2018  
Physical Completion: 31 December 2025  
Loan Closing Date: 30 June 2026

### Scope of the Project

Project Roads: 20 roads (340.8 km)  
Project Provinces: 5 provinces (Kampong Cham, Tboung Khmum, Prey Veng, Svay Rieng and Kratie)

### Civil Work Contract Details

Contract	Contract Amount	Contractor	Construction Period
CW-A	\$13,997,668.51	Ung Simsia Construction Co. Ltd.	12 May 2020-11 May 2023
CW-B1	\$4,741,431.65	M.T.A. Construction Co., Ltd.	1 Jul 2020-30 Jun 2023
CW-B2	\$2,481,668.20	Ung Simsia Construction Co. Ltd.	6 May 2019-5 May 2021
CW-C1	\$4,645,950.97	Banteay Srei Engineering & Construction Co., Ltd.	28 Dec 2020-27 Dec 2022
CW-C2	\$4,745,644.95	Banteay Srei Engineering & Construction Co., Ltd.	28 Dec 2020-27 Dec 2022
CW-C3	\$1,966,836.39	Bore Khmer Construction Development Co., Ltd.	12 Oct 2020-11 Oct 2022
CW-D	\$8,955,210.25	Tan Kim Eng Co., Ltd	5 Aug 2020-4 Aug 2023
CW-E	\$8,914,545.60	Beng Meng Group Co., Ltd	24 Aug 2020-23 Aug 2020

### Consulting Service for Implementation

Consultants: Korea Consultants International Co., Ltd.  
in Sub-consultancy with KCEC, KACE and MOHA  
Contract amount: \$3,392,300  
Contract Period: 1 April 2019- 31 March 2024 (60 months)

## EXECUTIVE SUMMARY

1. The Rural Roads Improvement Project III (RRIP III) project will be implemented over a period of 7 years, starting from 1 January 2019 up to Dec 2025. The project will be physically completed by 31 December 2025 and the loan will be closed on 30 June 2026. MRD is the Executing Agency for the Project. MRD is responsible for engaging consulting services and awarding civil works contracts. The Project Director will have overall administrative oversight of the consulting services and civil work contracts, and the Project Manager will have responsibility for day-to-day operations.
2. The original length of RRIP III was 359.8 km, but during the detailed design carried out from 1 April 2019 until 31 December 2019, it was found that the 2 roads have been already paved by national budget, therefore the scope of project has been changed from 22 roads 359.8 km to 20 roads 340.76 km.
3. The principle of monitoring is to ensure compliance with environmental legislation and ADB SPS 2009. The contractor has a duty to comply with the relevant legislation. The DDIS consultant must check jointly with the SEO officers the contractor's field activities and mitigation action for reporting to MRD and ADB periodically. In the event of noncompliance with EMP, MRD can instruct the contractor to comply.
4. The overall progress of project implementation as of the end of December 2020 is 13.57% which is 3.55% ahead of planned progress. Contracts awards of all civil work contracts have been completed as schedule by the end of December 2020. The overall progress of project is shown below.

Output	Component	Contract Amount (US\$)	Planned Progress (%)	Actual Progress (%)				Remarks
				Previous	This Quarter	Cumulative	Slippage	
1	CW-A	13,997,668.51	4.42	8.01	6.08	14.09	+9.67	Ung Sim Sia
	CW-B1	4,741,434.65	2.47	1.30	4.73	6.03	+3.56	M.T.A.
	CW-B2	2,481,668.20	75.55	97.73	0.61	98.34	+22.79	Ung Sim Sia
	CW-C1	4,645,950.97	0.03	0.00	0.03	0.03	+0.00	Banteay Srei
	CW-C2	4,745,644.95	0.02	0.00	0.02	0.02	+0.00	Banteay Srei
	CW-C3	1,966,836.39	1.17	0.00	2.57	2.57	+1.40	Bore Khmer
	CW-D	8,955,210.35	1.81	0.85	1.07	1.92	+0.11	Tan Kim Eng
	CW-E	8,914,545.60	0.89	0.35	4.52	4.87	+3.98	Beng Meng
	Consulting Services	3,392,300	45.61	37.42	6.19	43.61	-2.00	KCI
2	Road Asset Management	NA	5.00	7.50	-2.50	5.00	+0.00	Overload Control
3	Road Safety Program	NA	9.00	3.20	2.02	5.22	-3.78	SEO Training
Overall Progress (%)			10.02	10.73	2.84	13.57	+3.55	

5. The Contract CW-B2 in Tboung Khmum province has been completed as of 31 October 2020. The joint inspection team composed of MRD, PDRD, SEO and DDIS consultant visited 2 project road in the contract, TBK1 (9.96 km) and TBK3 (13.83 km), on 13 November 2020 and conducted inspection on the closure of two camp sites and environment status along the project roads. The two camp sites had been emptied and closed, and the rented lands have been returned to the owners by the contractor. Borrow pits for the material of embankment, subgrade and base course have been closed and graded. Warning signs have been installed. The contractor did not developed quarry site, instead the aggregates and base course material have



been purchased private quarry licensed by the government. No complaints from local people and local authority has been received.

6. For the semi-annual environment monitoring, the international environment specialist could not be mobilized due to travel restriction between Philippines and Cambodia because of COVID-19 pandemic. Thus, semi-annual environmental monitoring has been done by SEO officer and national environmental specialist. Among 8 civil works contracts, one contract of CW-B2 has been completed and two contracts started on 28 December 2020, but site activity have not yet started. Therefore, semi-annual environment monitoring has been conducted for 5 ongoing civil works contracts on the major environment issues suggested by the ADB February 2020 Loan Review Mission. The monitoring team conducted semi-annual environment monitoring inspection from 29 December 2020 to 7 January 2021. The monitoring team visited environment mitigation activities of all contractor's site camps in operation checked housekeeping such as oil spillage, worker's quarters, toilet facilities, and waste management. In the road improve construction site, dust and noise control, oil spills, water contamination and vibration have been checked in order to ensure compliance with the project EMP, CEMP and ADB Safeguard Policy Statement 2009.

7. The contractors generally complied with safeguards statement during construction according to the CEMP, but there still need some more improvement to provide clean environment for the workers in the camps. And solid waste control and septic tank for waste water in the site camps have not yet properly managed. As the weather condition of Cambodia entered into dry season, more frequent water spray will be required.

8. GRC in commune level of 5 remaining civil work contracts (CW-C1, CW-C2, CW-C3, CW-D and CW-E) have been established by the SEO. SEO officers visited total of 29 communes and held a meeting with commune chiefs and Village Development Committee members, and selected GRC members for handling complaints on the civil works. The project information booklet have not yet distributed to the people in the communes. The SEO will design and print the PIB for commune distribution by the end of April 2021, and the PIB will be distributed by the end of June for the whole project.

9. During the second half of 2020 (July to December), monitoring of social safeguards contained the following activities: (i) follow-up of voluntary donation procedures of affected assets to raise embankment at flood zone in the end section of TBK3 road in CW-B2; (ii) Check of site closing of Contract CW-B2, (iii) HIV/Human trafficking awareness and prevention program, and (iv) baseline household socio-economic survey , (v) COVID-19 Heath health and safety plan.

10. After completion of raising embankment at this section, follow-up inspection have been done by the DDIS consultants with local authority. Among 5 affected house, two houses were raised to the new finish level of paved roads without damaging the old houses, thus no impact has been done on their roofs. Another two houses, the raising of embankment did not affect any part of house structure. The roofs are kept as same as original shape after construction. The house owner of small shop demolished her shop to rebuild a new house to be matched with the raised road elevation. And the contractor helped the house by raising the house land to be matched with raised road elevation to facilitate the building of new house with the contractor's own expense.

11. The international gender specialist and SEO conducted social monitoring from 23 November 2020 to 27 November 2020 for all ongoing contracts. The inspection team interviewed with workers, local authority and local people living along the project roads on the existence of social issues involved with improvement works. And there was no social issues raised during the inspection. It was also confirmed there is no indigenous people living within the project area.

12. Both of the HIV/AIDS subcontractors of CW-A (Cooperation for Social Services and Development (CSSD)) and CW-D (Community Development of Humanitarian Association (CDOH), conducted HIV/AID and human trafficking awareness education in the target area of

TBK1 and TBK3. Total of 1,894 person (1,274 women) for CW-A and 126 persons (76 women) have been educated during this period.

13. In the project, there are 20 project roads located in 50 communes in 20 districts in the 5 project provinces. 160 villages with approx. 189,000 people in more than 45,000 households along the project roads. Collected field data from 786 households for the sex-disaggregated baseline socioeconomic report has been analysed and the baseline socio-economic survey report has been completed. The draft baseline-survey report submitted to ADB on 30 September 2020.

14. The civil work contractors implemented the Health and Safety Plan on COVID-19 in the site during the report period to avoid the spread of COVID-19 and took preventive action for hygienic environment and training of workers. Screen all workers at the beginning of their work and construction manager checked temperature as spot check during working hours. Digital infrared head thermometer has been used for temperature check. Any workers with a temperature higher than 37.3 degree was not allowed to work in the site. The Ministry of Health in Cambodia confirmed 366 cases of COVID-19 with 361 recoveries and no death as of the end of December 2020. No patient of COVID-19 occurred in the project sites during this reporting period.

15. Originally, it was planned to include 4 additional roads (30.4 km) to the work scope. Since there was virtually no saving during the bidding process of civil works, it is not possible to include those 4 roads. In consideration of available contingency of the project budget, it is possible to add only 2 roads. Therefore it is proposed to improve KRT3 (8.6km) in Kratie which is less resettlement impact compared with the other 3 roads and one road in Svay Rieang (14.3 km) which is 8.0m in width. As the both roads do not have resettlement issues, due diligence report of the two roads will be completed and submitted to ADB by the end of May 2021.

## LOCATION MAP OF PROJECT ROADS (5 PROVINCES)



# 1 INTRODUCTION

1. The Government of the Kingdom of Cambodia has received Asian Development Bank (ADB) assistance for the Rural Roads Improvement Project III (RRIP III). The project planned to rehabilitate about 359.8 kilometers (km) of rural roads in five provinces (Kampong Cham, Kratie, Prey Veng, Svay Rieng, and Tboung Khmum) to paved condition in the original scope. But, two roads among 22 roads have been paved already before detailed design. ADB changed the scope of rehabilitation from 22 roads 359.8 km to 20 roads 340.76 km. The objective of the project is to provide poor rural provinces with a disaster and climate-resilient, safer, and cost-effective rural road network with all-year access to markets and other social services.

2. The project is aligned with the following impact: the needs of the population served, and economic development promoted. The outcome of the project is all-weather access in rural areas of the five project provinces improved. The outputs of the proposed project are (i) rural roads improved (about 340.76 km of rural roads rehabilitated into paved condition by double bituminous surface treatment and concrete); (ii) road asset management improved; and (iii) awareness of road safety and potential social problems strengthened.

3. The project will be implemented over a period of 7 years, starting from 1 January 2019 up to Dec 2025. The project will be physically completed by 31 December 2025 and the loan will be closed on 30 June 2026. MRD is the Executing Agency for the Project. MRD is responsible for engaging consulting services and awarding civil works contracts. The Project Director will have overall administrative oversight of the consulting services and civil work contracts, and the Project Manager will have responsibility for day-to-day operations.

4. The project is estimated to cost \$66.0 million including physical and price contingencies. And interest charge during implementation. The ADB loan will provide (i) a concessional loan of \$58.50 million and (ii) a grant of \$1.50 million to help finance the project. The project is expected to benefit about 188,000 direct beneficiaries residing along the project roads and total population of beneficiaries residing in the whole project communes are about 560,000. The road will provide an all-year road access from provincial towns and agricultural areas and will provide greater accessibility to basic facilities and services. It will also strengthen the capacity of the MRD to plan, manage and monitor road safety, safeguards and implementing the loan covenants and other conditions in the loan package through the Project management Unit and Social and Environmental Office (SEO) in MRD, and relevant Provincial Department Rural Development (PDRD) as project implementation unit.

5. The Project is classified as category B for environment and an initial environmental examination (IEE) including Environment management Plan (EMP) have been conducted as part of project preparation in accordance with ADB Safeguard Policy Statement of 2009 (ADB SPS<sup>1</sup>). The project is categorized as C for indigenous peoples and category as C for involuntary resettlement. Although 2 roads were dropped from the original Project scope, there has been no major change of scopes and alignments of the remaining 20 roads, therefore the IEE does not need to be updated for the original scopes. This monitoring report covers the integrated environmental and social monitoring on the project implementation for the period from July to December 2020.

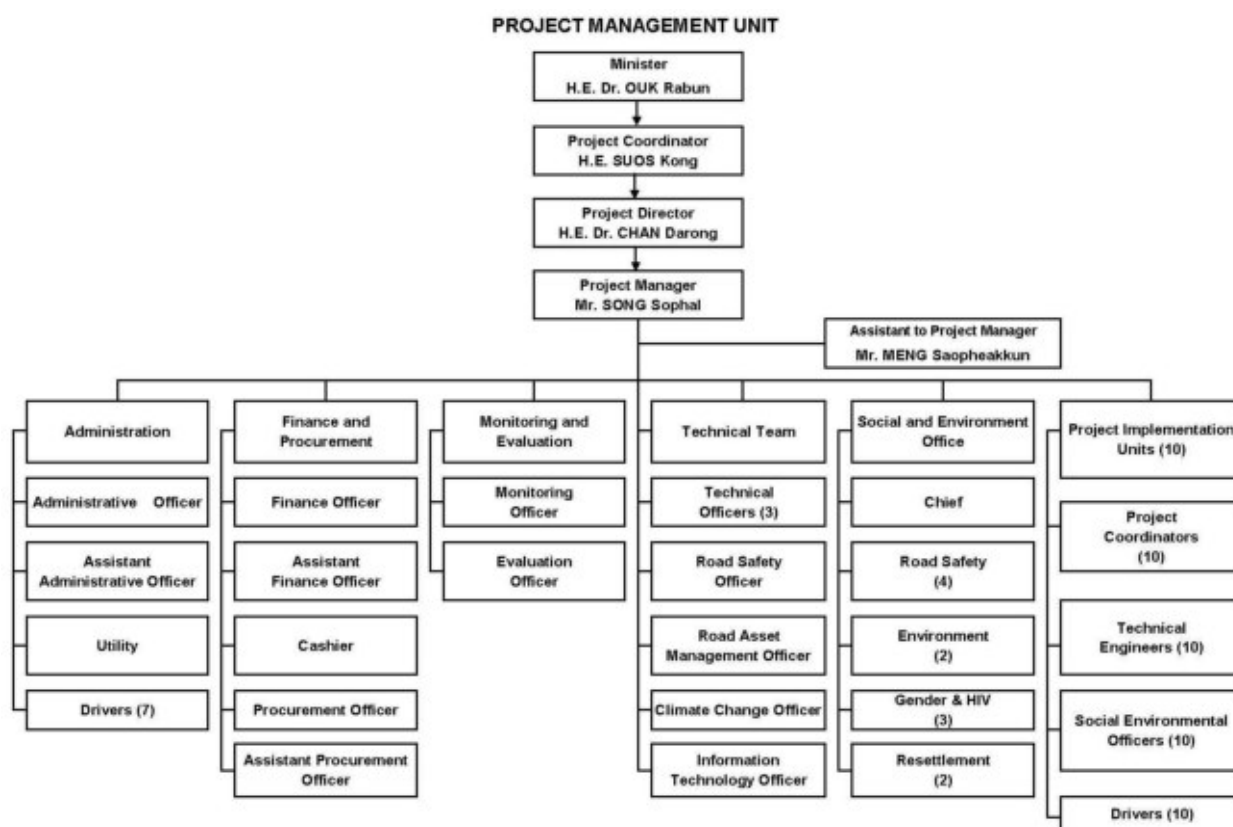
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<sup>1</sup> The IEE report is disclosed on ADB website: <https://www.adb.org/projects/documents/cam-42334-018-iee>

## 2 PROJECT ORGANIZATION STRUCTURE

6. The project management unit (PMU) has been established and operating since 2010 for the implementation of Rural Roads Improvement Project (RRIP)<sup>2</sup> and Rural Roads Improvement Project II (RRIP II)<sup>3</sup>. Under the RRIP II, PMU has reinforced technical staff, monitoring and evaluation unit, and additional staff in various units. PMU will continue to implement, manage, and coordinate project activities for RRIP III.

7. The organization of PMU is shown in Figure 2-1.



**Figure 2-1: Organization Chart of PMU**

The Korea Consultants International Co., Ltd is the Consultants for detailed design and implementation supervision for RRIP III. The consulting services started on 1 April 2019. The Consultant's work scopes consist of three stages, i) detailed design stage, ii) procurement stage, iii) preparation of future project and iii) implementation supervision stage

## 3 PROJECT ROADS AND PROGRESS

### 3.1 Status of Project Roads

8. The updated project roads are 20 roads 340.76 km in 5 provinces. The list of updated project rural roads is shown in Table 3-1 and the location map of project roads are shown in Figure 3-1

<sup>2</sup> <https://www.adb.org/projects/42334-013/main>

<sup>3</sup> <https://www.adb.org/projects/42334-014/main>

**Table 3-1: List of Updated Project Roads**

Province	Contract	Road No.	Road Name	Length (km)	Width (m)	District	Commune
Kampong Cham	CW-A	KC1	Kor-Tuek Cha	13.63	7.0m	Prey Chhor	Kor, Thma Pun, Krouch
		KC2	Samdaek-Sampong Chey	23.15	8.0m	Batheay, Cheung Prey	Sandaek, Sdaeung Chey, Pring Chrum, Sampong Chey
		KC3	Ou Tathok-Bosthlan	11.24	8.0m	Prey Chhor, Chamkar Leu	Thma Pun, Taong, Svay Teab
		KC4	Phav-Doun Dam	11.30	8.0m	Batheay, Cheung Prey	Pha'v, Kouk Rovieng, Khnor Dambang, Pdau Chum, Soutib
		KC5	Dei kraham-Areak Tnaot	20.21	8.0m	Stueng Trang	Soupheas, Dang Kdar
		KC6	Mer Sar Chrey-Wat Lor	14.12	8.0m	Stueng Trang	Mer Sar Chey, Dang Kdar
	Subtotal	<b>6</b>		93.65			
Tboung Khmum	CW-B1	TBK2	Trapeang Phlong-Stueng Toch	16.56	7.0m	Ponhea Kraek	Trapeang Phlong, Kak
		TBK5	Kondoal Chrum-Char Thum	15.20	8.0m	Ponhea Kraek, Dambae	Kndaol Chrum, Chong Cheach
	CW B2	TBK1	Tuol Kondaol-RN11	9.96	7.0 m	Toul Kondaol, Ou Reang Ov	Chikor, Preah Theat
		TBK3	Sedachenchay-Chhouk	13.83	8.0 m	Dambei, Kroch Chhmar	Seda, Chhum
	Subtotal	<b>4</b>		55.55			
Prey Veng	CW-C1	PV1	Lngeun-Boeng Kak	20.35	8.0m	Kanhchriech, Kamchay Mear	Kdoeang Reay, Seang Khneang
		PV3	Svay Sokhao-Pou Rieng	9.60	7.0m	Pur Rieng	Prey Kanlaong, Pur Rieng
	CW-C2	PV2	Pou Tong-Dountei	22.74	8.0m	Kanhchriech, Ponhea Kraek	Kanhchriech, Kouk Kong Lech, Kouk Kong Kæut, Dountei
		PV5	Kanh Chreach-Kouk Kongkandal	15.07	7.0m	Kampong Trabaek, Preah Sdach	Kampong Trabaek, Sena Reach Otdam, Ankor Reach
	CW-C3	PV4	Kampong Trabek-Preah Sdach	5.34	8.0m	Kanhchriech	Thma Pun, Koul Kong Lech
	Subtotal	<b>5</b>		73.10			
Svay Rieng	CW-D	SVR2	Kroulko-Wath Svaypnem	11.09	7.0m	Svay Chum	Kraol Kou, Svay Angk
		SVR3	Pheasa Chork-Pongtek	9.17	8.0m	Rumduol	Kampong Chak, Pong Tuek
		SVR4	Prey Kearv-KomPong Ampil	24.96	8.0m	Rumduol	Svay Chek, Meun Chey, Thmea, Kampong Ampil
		SVR5	Pras Ponlea-Som Yong	12.01	7.0m	Kampong Rou	Preah Ponlea, Prey Thum, Samyaong
	Subtotal	<b>4</b>		57.23			
Kratie	CW-E	KRT1	Chhlong-Prama	61.23	7.0-8.0	Chhlong	Chhlong, Damrei Phong, Kampong Damrei
	Subtotal	<b>1</b>		61.23			
<b>Total</b>		<b>20</b>		<b>340.76</b>			



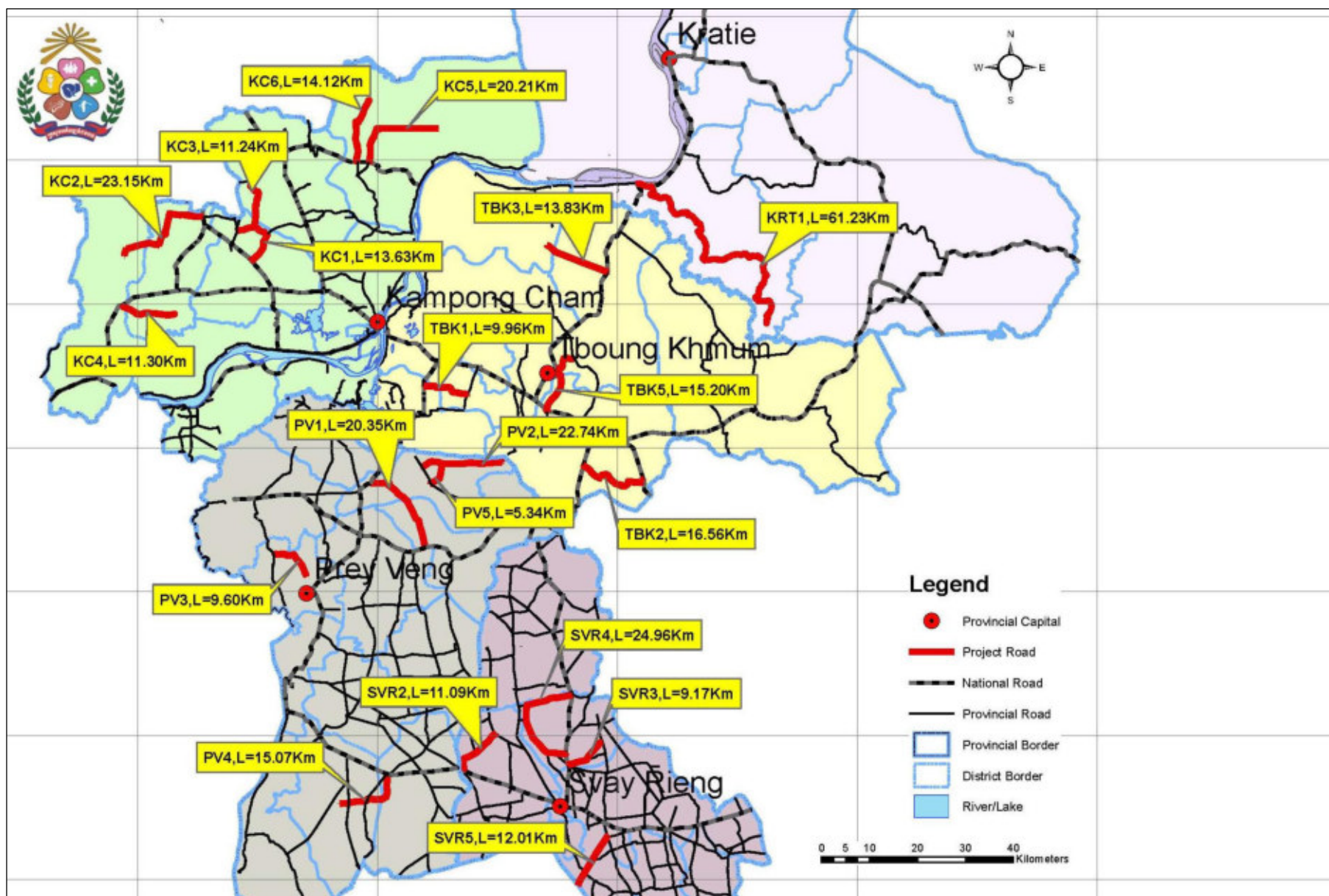


Figure 3-1: Location Map of Project Roads

### 3.2 Overall Progress of the Project

9. Progress of the overall project implementation as of 31 December 2020 is summarized in **Table 3-2**.

**Table 3-2: Progress of Overall Project Implementation**

Output	Component		Contract Amount (US\$)	Planned Progress (%)	Actual Progress (%)				Remarks
					Previous	This Quarter	Cumulative	Slippage	
1	Civil Works	CW-A	13,997,668.51	4.42	8.01	6.08	14.09	+9.67	Ung Sim Sia
		CW-B1	4,741,434.65	2.47	1.30	4.73	6.03	+3.56	M.T.A.
		CW-B2	2,481,668.20	75.55	97.73	0.61	98.34	+22.79	Ung Sim Sia
		CW-C1	4,645,950.97	0.03	0.00	0.03	0.03	+0.00	Banteay Srei
		CW-C2	4,745,644.95	0.02	0.00	0.02	0.02	+0.00	Banteay Srei
		CW-C3	1,966,836.39	1.17	0.00	2.57	2.57	+1.40	Bore Khmer
		CW-D	8,955,210.35	1.81	0.85	1.07	1.92	+0.11	Tan Kim Eng
		CW-E	8,914,545.60	0.89	0.35	4.52	4.87	+3.98	Beng Meng
	Consulting Services	3,392,300	45.61	37.42	6.19	43.61	-2.00	KCI	
2	Road Asset Management	NA	5.00	7.50	-2.50	5.00	+0.00	Overload Control	
3	Road Safety Program	NA	9.00	3.20	2.02	5.22	-3.78	SEO Training	
Overall Progress (%)				10.02	10.73	2.84	13.57	+3.55	

### 3.3 Progress of Each Project Roads

10. The progress and activities by project roads are as shown in Table 3-3.

**Table 3-3 Progress and Activities by Project Road**

Province	Contract	Road No.	Started in	Progress	Activities in Jul-Dec 2020
Kampong Cham	CW-A	KC1	May 2020	30%	UXO, Earthworks, Subbase, Drainage
		KC2	May 2020	2%	UXO clearance
		KC3	May 2020	30%	UXO, Earthworks, Subbase, Drainage
		KC4	May 2020	5%	UXO, Earthworks
		KC5	May 2020	20%	UXO, Earthworks, Subbase, Drainage
		KC6	May 2020	20%	UXO, Earthworks, Subbase, Drainage
Tboung Khmum	CW-B1	TBK2	Jul 2020	0%	UXO/ Embankment
		TBK5	Jul 2020	30%	UXO/ Embankment
	CW B2	TBK1	May 19	98%	DBST, Ancillary works, Site Cleaning
		TBK3	May 19	98%	DBST, Ancillary works, Site Cleaning
Prey Veng	CW-C1	PV1	Dec 2020	0%	UXO
		PV3	Dec 2020	0%	UXO
	CW-C2	PV2	Dec 2020	0%	UXO
		PV4	Dec 2020	0%	UXO
Svay Rieng	CW-D	PV5	Oct 2020	3%	UXO/ Earthworks, Drainage
		SVR2	Aug 2020	2%-	UXO/Earthworks
		SVR3	Aug 2020	2%	UXO
		SVR4	Aug 2020	2%	UXO
Kratie	CW-E	SVR5	Aug 2020	2%	UXO
		KRT1	Aug 2020	12%	UXO, Earthworks, Subbase, Drainage



## 4 ENVIRONMENTAL MONITORING

### 4.1 Environmental Monitoring Mechanism

11. The principle of monitoring is to ensure compliance with environmental legislation and ADB SPS 2009. The contractor has a duty to comply with the relevant legislation. The DDIS consultant must check jointly with the SEO officers the contractor's field activities and mitigation action for reporting to MRD and ADB periodically. In the event of noncompliance with EMP, MRD can instruct the contractor to comply.

12. It may be necessary to carry out measurements to establish if the regulations are being met. In fact, simple compliance with the standards is not necessarily the final objective. There is no harm in the contractor "going beyond compliance" and running an operation better than that required by the law. The measurements to be made and standards to be met are given below. There will be a "hierarchy" of monitoring and measurements. This would be based on:

- Contractors
- DDIS Consultants
- PMU and SEO environmental officers from MRD
- Ministry of Environment (MOE would only involve if an official complaint were made to them)

13. Initially, contractors should check daily that all operations are being conducted correctly. In general, "good housekeeping" at site camps must be employed. If contractor's camps are established in the site during the construction period, then overflowing of septic tanks and stagnation of water must be checked by visual inspection. All water containers must be covered with proper cover or roof to avoid dust and mosquito breeding. Solid waste and debris at the camp site should be collected by dust bin equipped with larger garbage bag and the used garbage bags with waste should be transported to garbage dumping site designated by the local government. Oil tank should be covered by roof or tent to avoid spillage during rainy season.

14. For road improvement operations, dust suppression and noise control are usually the main sources of potential nuisance if activities take place near residential dwellings. Borrow pits can also be sources of noise and dust. Inspection of borrow pits should also be included. After extraction of soils from borrow pits is finished, reinstatement must be carried out. Warning signs must be erected to avoid drowning if deep ponds are left. Inspectors and SEO staff must make regular checks by visual inspection.

15. DDIS inspectors are making daily spot checks and weekly formal checks on site operations. They check all of the above and view records for waste disposal. They must also investigate any pollution incidents or complaints. They are using checklists for record purposes and ensure that any complaints or incident are brought to the notice of the contractor immediately, verbally and with a follow up written notice.

16. Initial monitoring is based on visual inspection and site assessment. Measurements require special equipment, and this only needed if a significant incident or complaint occurs. Normally, implementation of "Good Housekeeping" and the contractor demonstrating a responsible attitude are sufficient to ensure an environmentally satisfactory operation.

17. If vibration measurements or dust measurements are required, then specialized equipment will be needed. The responsibility for requesting the measurements will be the DDIS Consultants. SEO will liaise with MOE and DOE to arrange such measurements if necessary.

## 4.2 Semi-Annual Environment Monitoring

### 4.2.1 Completion Inspection of Contract CW-B2

18. The Contract CW-B2 in Tboung Khmum province has been completed as of 31 October 2020 and the contractor requested for completion inspection. The joint inspection team composed of MRD, PDRD, SEO and DDIS consultant visited 2 project road in the contract, TBK1 (9.96 km) and TBK3 (13.83 km), on 13 November 2020 and conducted inspection on the closure of two camp sites and environment status along the project roads. The inspection team is composed as below.

- |                     |                             |
|---------------------|-----------------------------|
| • Mr. Song Sophal   | Project Manager, PMU, MRD   |
| • Mr. Chhea Venghuy | Deputy Chief, SEO, MRD      |
| • Mr. Hang Sopolik  | SEO Officer                 |
| • Mr. Heng Bunthorn | M & E Officer, PMU          |
| • Mr. An Sina       | Director, PDRD Tboung Khmum |
| • Mr. Kim Il Hwan   | DDIS Team Leader            |
| • Mr. Ly Bunsreang  | Resident Inspector/Surveyor |

19. The contract CW-B2 has been completed and no environment issues were observed during inspection. The slopes of roads were covered by block sodding to avoid erosion as shown below.



20. The two camp sites had been emptied and closed right after the completion of physical works. The location of the two camp site locations are as follows:

Road	Location	Communes	Facilities
TBK1	PK5+300	Chikor	Worker's camp, fuel tank, equipment parking yard, base course stockpile yard.
TBK3	PK1+300	Sedasechay	Worker's camp, fuel tank, equipment parking yard, base course stockpile yard.

21. All debris in the site camps have been removed and the rented lands have been returned to the owners by the contractor. There is no water stagnation and environment impact on water channel. The pictures of two closed camps are shown below.

### Closed Site Camp on TBK1



### Closed Site Camp on TBK3







22. The contractor took material of embankment, subgrade and subbase from the previously used borrow pits for the contract CW-B2. The list of borrow pits used by the contractor is as follows:

No.	Location	Material	Remarks
1	TBK1 PK6+400 RHS offset 400m	Embankment, Subgrade, Subbase	TBK1
2	TBK3 PK3+100 RHS offset 3km	Embankment, Subgrade, Subbase	TBK3
3	TBK3 PK14+500 Offset 500m	Embankment, Subgrade, Subbase	TBK3

23. The contractor graded the used borrow pits and installed warning signs to prohibit local people from approaching to the borrow pits. Photos of borrow pit and warning signs are shown below.



Borrow Pit at PK PK6+400 TBK1



Installed warning signs at the borrow pits



Borrow Pit at PK3+100 in TBK3



Installed warning signs at the borrow pits



Borrow Pit at PK14+500 in TBK3



Installed warning signs at the borrow pits

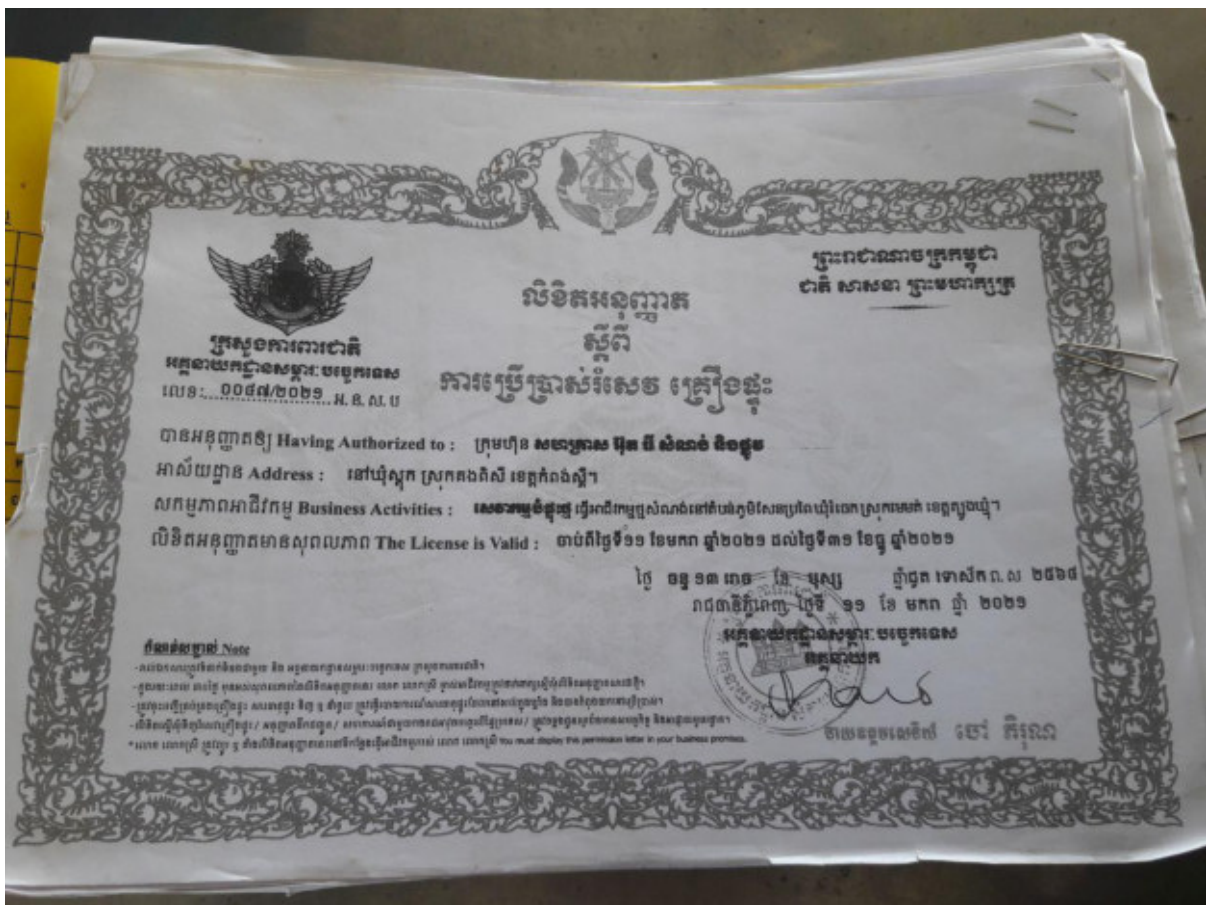
23. The contractor purchased material for base course, DBST aggregates and concrete aggregates from the commercial quarry operated by private quarry which has the license issued by the Government. The detail of quarry is as follows:

Name of Quarry	Location	Material Produced
Uthy Quarry	Kampay Village, Rongchey Commune, Memot DistrictTBK3 off 30 km	Base course, DBST aggregates and concrete aggregates

24. The photos of commercial quarry and license are shown below.



View of Commercial quarry operated By Uthy



Licence of breaking rocks using explosive for producing construction materials  
Which is valid until 31 December 2021.

25. Site Environmental Compliance Inspection and Monitoring of Contract CW-B2 completion was prepared and attached in the **Appendix 1**.



#### 4.2.2 Monitoring of Ongoing Civil Works

26. For the semi-annual environment monitoring, the international environment specialist could not be mobilized due to travel restriction between Philippines and Cambodia because of COVID-19 pandemic. Thus, semi-annual environmental monitoring has been done by SEO officer and national environmental specialist. The monitoring team were:

- Mr. Chhun Sophea, Chief Environmental Officer, SEO/MRD
- Mr. Hang Sophal National Environmental Specialist
- PDRD officers
- Resident Engineers and Inspectors of DDIS consultants

27. The team conducted semi-annual environment monitoring inspection from 29 December 2020 to 7 January 2021. The monitoring team visited environment mitigation activities of all contractor's site camps in operation checked housekeeping such as oil spillage, worker's quarters, toilet facilities, and waste management. In the road improve construction site, dust and noise control, oil spills, water contamination and vibration have been checked in order to ensure compliance with the project EMP, CEMP and ADB Safeguard Policy Statement 2009. The schedule of semi-annual environment monitoring is shown in Table 4-1.

**Table 4-1 Schedule of Semi-annual Environment Monitoring**

Contract	Project Road	Date inspected	Remarks
CW-A	KC1 & KC3	30 Dec 2020	KC2 not yet started
	KC4, KC5 & KC6	31 Dec 2020	
CW-B1	TBK2	29 Dec 2020	TBK5 not yet started
CW-C3	PV4	7 Jan 2021	
CW-D	SVR2	6 Jan 2021	SVR3, 4 & 5 not yet started
CW-E	KRT1	5 Jan 2021	

#### 4.2.3 Summary of Environment Monitoring

28. Among 8 civil works contracts, one contract of CW-B2 has been completed and two contracts started on 28 December 2020, but site activity have not yet started. Therefore, semi-annual environment monitoring has been conducted for 5 ongoing civil works contracts on the major environment issues suggested by the ADB February 2020 Loan Review Mission. The results of environment monitoring based on the mitigation issues are summarized in Table 4-2 through Table 4-6.

**Table 4-2 Environment Monitoring Results of Contract CW-A**

<b>No</b>	<b>Issue</b>	<b>Status</b>	<b>Action to be Taken</b>	<b>Timing (Target date)</b>
1	<b>Put Public Information Booklet (PIB) at Commune Office.</b> (Required Action) Public information Booklet should be in every commune office in the project area	Public information poster was attached in commune office, but public information booklet has not yet kept at every commune office.	- Public Information Booklet (PIB) should be kept in every commune office in the project area. (by SEO)	28 Feb 02021
2	<b>Project Information board locations to be shown with contact number and organization</b> (Required Action) Project information board should be installed at the starting point and included contact number and organization (MRD).	- Project information board has not yet installed.	-Project information board should be installed at the beginning point of each road. (Contractor)	28 February 2021
3	<b>Dust control at construction site</b> (Required Action) Regular and frequent Repair road sprinklers and control dust at construction site	-Frequency of sprinkling water is not enough to control dust.	-Water truck should be operated more often during dry season. (Contractor and DDIS consultants)	Whole period of construction
4	<b>Proper garbage bins and solid waste management</b> (Required Action) Proper garbage bins should be provided at workers camp, and all kinds of domestic wastes (including recyclable plastic) should not be dumped in the ground or burnt at the site camp.	-Garbage bins were provided without plastic bags.	-Large size dust bin with plastic garbage collecting bags should be placed at the site camp.	28 Feb 2021
5	<b>Wastewater control at camps and water stagnant</b> (Required Action) Wastewater should be treated and remove water stagnant	-There is water stagnant area in the camp site.	- Contractor should provide proper drainage to avoid water stagnant which cause mosquito breeding.	28 Feb 2021
6	<b>Hazardous waste/materials storage</b> (Required Action) Oils and hazardous materials should be stored in separate location and oil leaks should be cleaned.	-Oil tank and hazardous waste/material storage has been built separately with roof	-Keep maintenance as clean.	
7	<b>Vehicle maintenance at site camp.</b> (Required Action) Make separate space for vehicle repair and maintenance designed to contain spilled lubricants and fuel.	-Contractor prepared separate space for vehicle repair and maintenance.	-Contractor should keep clean the repair area in order.	
8	<b>Traffic safety measures at construction site.</b> (Required Action) Install proper signs and barriers for traffic safety.	-Contractor installed proper signs and barriers at the construction site, but no warning sign at camp site	-Contractor should install more signs at construction site and install warning signs at the entrance of camp site.	28 Feb 2021
9	<b>Toilet facilities</b> (Required Action) Install at least 2 toilets for the separate use of men and women.	Install 2 toilets for the separate use of men and women.	-	



**Table 4-3 Environment Monitoring Results of Contract CW-B1**

No	Issue	Status	Action to be Taken	Timing (Target date)
1	<b>Put Public Information Booklet (PIB) at Commune Office.</b> (Required Action) Public information Booklet should be in every commune office in the project area	-One GRM leaflet attached at the Camp site and commune office but no Public Information Booklet(PIB)	- Public Information Booklet (PIB) should be kept in every commune office in the project area. (by SEO)	28 Feb 2021
2	<b>Project Information board locations to be shown with contact number and organization</b> (Required Action) Project information board should be installed at the starting point and included contact number and organization (MRD).	Contractor installed the information board at the end point. It should be moved move to beginning point of the project road	-Project information board should be installed at the beginning point of each road. (Contractor/DDIS)	28 Feb 2021
3	<b>Dust control at construction site</b> (Required Action) Regular and frequent Repair road sprinklers and control dust at construction site	-Frequency of sprinkling water is not enough to control dust.	-Water truck should be operated more often during dry season. (Contractor and DDIS consultants)	Whole period of construction
4	<b>Proper garbage bins and solid waste management</b> (Required Action) Proper garbage bins should be provided at workers camp, and all kinds of <u>domestic wastes</u> (including recyclable plastic) should not be dumped in the ground or burnt at the site camp.	-No garbage bin in the camp site.	-Contractor should put large size dust bin with plastic garbage collecting bags. Collected wastes should be transported and dumped at garbage disposal site operated by local authorities.	28 Feb 2021
5	<b>Wastewater control at camps and water stagnant</b> (Required Action) Wastewater should be treated and remove water stagnant	-No septic tank for waste water control	- Contractor should construct septic tank for waste water control	31 Mar 2021
6	<b>Hazardous waste/materials storage</b> (Required Action) Oils and hazardous materials should be stored in separate location and oil leaks should be cleaned.	-Oil tank and hazardous waste/material storage has been built separately with roof	-Keep maintenance as clean.	28 Feb 2021
7	<b>Vehicle maintenance at site camp.</b> (Required Action) Make separate space for vehicle repair and maintenance designed to contain spilled lubricants and fuel.	-Contractor has not prepared separate space for vehicle repair and maintenance.	-Contractor should provide separate space for vehicle repair and maintenance.	31 Mar 2021
8	<b>Traffic safety measures at construction site.</b> (Required Action) Install proper signs and barriers for traffic safety.	-Contractor installed signs and barriers at the construction site, but no warning sign at camp site	-Contractor should install more signs at construction site and install warning signs at the camp site.	28 Feb 2021
9	<b>Toilet facilities</b> (Required Action) Install at least 2 toilets for the separate use of men and women.	The contractor has not built two toilets.	Install at least 2 toilets for the separate use of men and women.	31 Mar 2021

**Table 4-4 Environment Monitoring Results of Contract CW-C3**

No	Issue	Status	Action to be Taken	Timing (Target date)
1	<b>Put Public Information Booklet (PIB) at Commune Office.</b> (Required Action) Public information Booklet should be in every commune office in the project area	- No GRM leaflet and Public Information Booklet(PIB) keep at camp site and commune office	- Public Information Booklet (PIB) should be kept in every commune office in the project area. (by SEO)	28 Feb 2021
2	<b>Project Information board locations to be shown with contact number and organization</b> (Required Action) Project information board should be installed at the starting point and included contact number and organization (MRD).	- Project information board has not yet installed.	-Project information board should be installed at the beginning point of each road. (Contractor)	28 Feb 2021
3	<b>Dust control at construction site</b> (Required Action) Regular and frequent Repair road sprinklers and control dust at construction site	-Frequency of sprinkling water is not enough to control dust.	-Contractor should sprinkling water more frequently during dry season. (Contractor/ DDIS)	Whole period of construction
4	<b>Proper garbage bins and solid waste management</b> (Required Action) Proper garbage bins should be provided at workers camp, and all kinds of <u>domestic wastes</u> (including recyclable plastic) should not be dumped in the ground or burnt at the site camp.	-No garbage bin in the camp site.	-Provide large size dust bin with black plastic garbage bags. Collected wastes should be transported and dumped at garbage disposal site operated by local authorities. (Contractor/ DDIS)	28 Feb 2021
5	<b>Wastewater control at camps and water stagnant</b> (Required Action) Wastewater should be treated and remove water stagnant	-No septic tank for waste water control	- Contractor should construct septic tank for waste water control. (Contractor/ DDIS)	31 Mar 2021
6	<b>Hazardous waste/materials storage</b> (Required Action) Oils and hazardous materials should be stored in separate location and oil leaks should be cleaned.	-Oil tank was not installed as fuel for all equipment are provided by the gas station located not far from the base camp.	-Contractor should make separate warehouse to keep hazardous materials. (Contractor/ DDIS)	31 Mar 2021
7	<b>Vehicle maintenance at site camp.</b> (Required Action) Make separate space for vehicle repair and maintenance designed to contain spilled lubricants and fuel.	-The base camp area is big enough to make separate area for vehicle repair and maintenance. But, the repair area has not yet made.	-Provide separate space for vehicle repair and maintenance. (Contractor/ DDIS)	28 Feb 2021
8	<b>Traffic safety measures at construction site.</b> (Required Action) Install proper signs and barriers for traffic safety.	Contractor installed signs and barriers for traffic safety but it is still not enough.	-Install more signs at construction site and install warning signs at the entrance of camp site. (Contractor/ DDIS)	28 Feb 2021
9	<b>Toilet facilities</b> (Required Action) Install at least 2 toilets for the separate use of men and women.	Only on toilet was built.	-Install one more toilet next to the existing one for the separate use of men and women. (Contractor/ DDIS)	28 Feb 2021

**Table 4-5 Environment Monitoring Results of Contract CW-D**

No	Issue	Status	Action to be Taken	Timing (Target date)
1	<b>Put Public Information Booklet (PIB) at Commune Office.</b> (Required Action) Public information Booklet should be in every commune office in the project area	- No GRM leaflet and Public Information Booklet(PIB) keep at camp site and commune office	- Public Information Booklet (PIB) should be kept in every commune office in the project area. (by SEO)	28 Feb 2021
2	<b>Project Information board locations to be shown with contact number and organization</b> (Required Action) Project information board should be installed at the starting point and included contact number and organization (MRD).	- Project information board has not yet installed.	-Install Project information board at the beginning point of each road. (Contractor)	28 Feb 2021
3	<b>Dust control at construction site</b> (Required Action) Regular and frequent Repair road sprinklers and control dust at construction site	-Frequency of sprinkling water is not enough to control dust.	-Water truck should be operated more often during dry season. (Contractor/DDIS)	Whole period of construction
4	<b>Proper garbage bins and solid waste management</b> (Required Action) Proper garbage bins should be provided at workers camp, and all kinds of <u>domestic wastes</u> (including recyclable plastic) should not be dumped in the ground or burnt at the site camp.	-There was many garbage inside the camp and no garbage bin in the camp site.	-Provide a large size dust bin with plastic garbage collecting bags at the site camp.	28 Feb 2021
5	<b>Wastewater control at camps and water stagnant</b> (Required Action) Wastewater should be treated and remove water stagnant	--No proper waste water control in the site.	-Provide septic tank for waste water	31 Mar 2021
6	<b>Hazardous waste/materials storage</b> (Required Action) Oils and hazardous materials should be stored in separate location and oil leaks should be cleaned.	-Oil tank was not covered with roof and spill control flatform was not provided. --Hazardous material/waste was not kept in the separate place.	-Provide roof for the oil tank and provide protect platform at the bottom of oil tank to avoid spillage. -provide warehouse to keep hazardous waste/material.-	31 Mar 2021
7	<b>Vehicle maintenance at site camp.</b> (Required Action) Make separate space for vehicle repair and maintenance designed to contain spilled lubricants and fuel.	-The base camp area is big enough to make separate area for vehicle repair and maintenance.	-Provide separate area for repair and maintenance of vehicles.	28 Feb 2021
8	<b>Traffic safety measures at construction site.</b> (Required Action) Install proper signs and barriers for traffic safety.	-Contractor installed signs and barriers at the construction site, but no warning sign at camp site	- Install more signs at construction site and install warning signs at the entrance of camp site.	28 Feb 2021
9	<b>Toilet facilities</b> (Required Action) Install at least 2 toilets for the separate use of men and women.	-Only one toilet was built.	-Provide at least 2 toilets at each site camp for the use of men and women separately	28 Feb 2021

**Table 4-6 Environment Monitoring Results of Contract CW-E**

<b>No</b>	<b>Issue</b>	<b>Status</b>	<b>Action to be Taken</b>	<b>Timing (Target date)</b>
1	<b>Put Public Information Booklet (PIB) at Commune Office.</b> (Required Action) Public information Booklet should be in every commune office in the project area	- One GRM leaflet keep at the Camp site and commune office but no Public Information Booklet(PIB)	- Public Information Booklet (PIB) should be kept in every commune office in the project area. (by SEO)	28 Feb 2021
2	<b>Project Information board locations to be shown with contact number and organization</b> (Required Action) Project information board should be installed at the starting point and included contact number and organization (MRD).	- Project information board has not yet installed.	-Project information board should be installed at the beginning point of each road. (Contractor)	28 Feb 2021
3	<b>Dust control at construction site</b> (Required Action) Regular and frequent Repair road sprinklers and control dust at construction site	-Frequency of sprinkling water is not enough to control dust.	-Spray water more often during dry season. (Contractor and DDIS consultants)	Whole period of construction
4	<b>Proper garbage bins and solid waste management</b> (Required Action) Proper garbage bins should be provided at workers camp, and all kinds of <u>domestic wastes</u> (including recyclable plastic) should not be dumped in the ground or burnt at the site camp.	- No garbage bin in the camp site.	-Provide a large size dust bin with plastic garbage collecting bags at each site camp.	28 Feb 2021
5	<b>Wastewater control at camps and water stagnant</b> (Required Action) Wastewater should be treated and remove water stagnant	-No waste water control at in the site camp.	- Provide septic tank for waste water control.	31 Mar 2021
6	<b>Hazardous waste/materials storage</b> (Required Action) Oils and hazardous materials should be stored in separate location and oil leaks should be cleaned.	- Oil tank was not covered with roof and spill control platform was not provided.	-Provide roof and fuel spill facility at the bottom.	28 Feb 2021
7	<b>Vehicle maintenance at site camp.</b> (Required Action) Make separate space for vehicle repair and maintenance designed to contain spilled lubricants and fuel.	-The base camp area is big enough to make separate area for vehicle repair and maintenance.	-Contractor should provide area for the equipment repair area in the camp area.	28 Feb 2021
8	<b>Traffic safety measures at construction site.</b> (Required Action) Install proper signs and barriers for traffic safety.	---Warning sign in front of site camp is movable sign	-Install more signs at construction site -Install fixed warning signs at the entrance of camp site.	28 Feb 2021
9	<b>Toilet facilities</b> (Required Action) Install at least 2 toilets for the separate use of men and women.	Only one toilet was built.	-Provide at least 2 toilets at each site camp for the use of men and women separately.	28 Feb 2021

#### 4.2.4 Environment Monitoring Report of Civil Works

29. The contractors generally complied with safeguards statement during construction according to the CEMP, but there still need some more improvement to provide clean environment for the workers in the camps. And solid waste control and septic tank for waste water in the site camps have not yet properly managed. As the weather condition of Cambodia entered into dry season, more frequent water spray will be required. The environment monitoring inspection report with pictures are shown in **Appendix 2**.

#### 4.3 Issues from the Previous Report(s)

30. **Table 4-7** summarizes the issues from the previous report and the actions taken during this monitoring period.

**Table 4-7: Issues from the Previous Report**

<i>Issue</i>	<i>Required Action</i>	<i>Responsibility</i>	<i>Timing (Target Dates)</i>	<i>Description of Resolution and Timing (Actual)</i>	<i>If not yet resolved, indicate the reason why and specify further required action and timeframe.</i>
Construction workers camps shall be cleaned up after use	Construction/workers camps shall be cleaned up after use to the satisfaction of MRD/SEO/DDIS and local community. All waste materials shall be removed and disposed to disposal sites approved by local authorities.	Contractor CW-B2	31 Oct 2020	13 Nov 2021 Site close-up was confirmed on during the joint completion inspection	Fully completed

#### 4.4 Issues to be Addressed during the Next Monitoring Period

31. **Table 4-8** summarizes the issues to be addressed during the next monitoring period.

**Table 4-8: Issues to be addressed during the next monitoring period**

<i>Issue</i>	<i>Required Action</i>	<i>Responsibility</i>
1. Put <u>Public Information Booklet (PIB)</u> at Commune Office	Public information Booklet should be in every commune office in the project area	SEO
2. <u>Project Information board</u> locations to be shown with contact number and organization	Project information board should be installed at the starting point and included contact number and organization (MRD).	Contractor/DDIS consultant
3. <u>Dust control</u> at construction site	Regular and frequent Repair road sprinklers and control dust at construction site	All contractors/DDIS consultant
4. Proper <u>garbage bins and solid waste</u> management	Provide garbage bins with plastic bags and prohibit burning wastes at the site. All solid waste should be regularly collected and removed from the work camps and disposed to areas approved by local authorities.	Contractor/ DDIS consultant
5. <u>Wastewater control</u> at camps and water stagnant	Wastewater should be treated and remove water stagnant to avoid mosquito breeding.	Contractor/ DDIS consultant
6. <u>Hazardous waste/materials storage</u>	Oils and hazardous materials should be stored in separate location and oil leaks should be cleaned.	Contractor/ DDIS consultant
7. <u>Vehicle maintenance</u> at site camp.	Make separate space for vehicle repair and maintenance designed to contain spilled lubricants and fuel.	Contractor/ DDIS consultant

8. <u>Traffic safety measures</u> at construction site.	Install proper signs and barriers for traffic safety.	Contractor/ DDIS consultant
9. <u>Provide hygienic toilet facilities</u> at site camp	Install at least 2 toilets for the separate use of men and women	Contractor/ DDIS consultant

## 5 GRIEVANCE REDRESS MECHANISM

32. The IEE stated that MRD, through a Grievance Redress Committee (GRC), shall promptly address affected people's concerns, complaints, and grievances about the Project's environmental performance at no costs to the complainant and without fear of retribution. The GRC, which shall be established before commencement of site works, shall be chaired by PMU to be assisted by the SEO. The GRC shall have members from the PDRD, commune councils, local NGO, and women's organization. Grievances can be filed in writing or verbally with the Contractor, or any member of the GRC.

33. If the complaint is directly related to Contractor activities, a formal copy of the complaint or verbal complaint shall be provided to the Contractor who shall record such complaint(s) in a Complaints Register to be submitted as part of the monthly progress report. Contractor is expected to resolve construction-related complaints immediately and corrective action reported accordingly. Contractor shall designate a GRM focal point and provide names and contact numbers. During this reporting period, GRC in commune level of 5 remaining civil work contracts (CW-C1, CW-C, CW-C3, CW-D and CW-E) have been established by the SEO. SEO officers visited total of 29 communes and held a meeting with commune chiefs and Village Development Committee members, and selected GRC members for handling complaints on the civil works.

### 5.1 GRC Establishment for CW-C1

34. SEO Officers visited 7 communes located in the area of Contract CW-C1 and had a series of consultation meeting from 5 Oct 2020 through 19 Nov 2020 with commune chief and commune council members to establish GRC of the project. The date of meeting and places for CW-C1 are shown in the Table 5-1.

Table 5-1: Details of Meeting for Establishment of GRC for CW-C1

No	Date of Meeting	Name of Commune	Number of Participants in the meeting	Selected GRC Members
1	5 Oct 2020	Kdoeang Reayr	10	3
2	5 Oct 2020	Seang Khvea	13	3
3	6 Oct 2020	Trabaek	10	3
4	6 Oct 2020	Doun Koeng	8	3
5	15 Nov 2020	Cheung Tuek	7	3
6	15 Nov 2020	Prey Kanlaong	8	3
7	19 Nov 2020	Pou Rieng	7	3

35. The established GRC of CW-C1 and the minutes of meeting for consultation and selection of GRC members are attached in **Appendix 3**.

### 5.2 GRC Establishment for CW-C2

36. SEO Officers visited 5 communes located in the area of Contract CW-C2 and had a series of consultation meeting from 5 Oct 2020 through 19 Nov 2020 with commune chief and commune council members to establish GRC of the project. The date of meeting and places for CW-C2 are shown in the Table 5-1.

Table 5-2: Details of Meeting for Establishment of GRC for CW-C2

No	Date of Meeting	Name of Commune	Number of Participants in the meeting	Selected GRC Members
1	8 Oct 2020	Thma Pun	12	2
2	8 Oct 2020	Kouk Kong Kaeut	14	3
3	8 Oct 2020	Kouk Kong Lech	16	3
4	7 Oct 2020	Kanhchriech	11	2
5	6 Oct 2020	Doun Tei	12	3

37. The established GRM for CW-C2 and the minutes of meeting for consultation and selection of GRC members for CW-C2 are attached in **Appendix 4**.

### 5.3 GRC Establishment for CW-C3

38. SEO Officers visited 3 communes located in the area of Contract CW-C3 and had a series of consultation meeting from 19 Nov and 20 Nov 2020 with commune chief and commune council members to establish GRC of the project. The date of meeting and places for CW-C3 are shown in the 5-3.

Table 5-3: Details of Meeting for Establishment of GRC for CW-C3

No	Date of Meeting	Name of Commune	Number of Participants in the meeting	Selected GRC Members
1	20 Nov 2020	Sena Reach Otdam	10	3
2	20 Nov 2020	Angkor Reach	12	3
3	19 Nov 2020	Kampong Trabaek	8	3

39. The established GRM for CW-C3 and the minutes of meeting for consultation and selection of GRC members for CW-C3 are attached in **Appendix 5**.

### 5.4 GRC Establishment for CW-D

40. SEO Officers visited 7 communes located in the area of Contract CW-D and had a series of consultation meeting from 5 Oct 2020 through 19 Nov 2020 with commune chief and commune council members to establish GRC of the project. The date of meeting and places for CW-D are shown in the Table 5-1.

Table 5-4: Details of Meeting for Establishment of GRC for CW-C3

No	Date of Meeting	Name of Commune	Number of Participants in the meeting	Selected GRC Members
1	25 Aug 2020	Kroul kou	7	3
2	25 Aug 2020	Samyoung	9	3
3	25 Aug 2020	Svay Angk	7	3
4	25 Aug 2020	Prey Thom	9	3
5	25 Aug 2020	Preah Ponlea	10	3
6	26 Aug 2020	Kampong Chak	5	3
7	26 Aug 2020	Svay Chek	7	3
8	27 Aug 2020	Meun Chey	6	3
9	27 Aug 2020	Thmea	6	3
10	27 Aug 2020	Kampong Ampil	6	3
11	28 Aug 2020	Pong Teuk	9	3

41. The established GRM for CW-D and the minutes of meeting for consultation and selection of GRC members for CW-D are attached in **Appendix 6**.

## **5.5 GRC Establishment for CW-E**

42. SEO Officers visited 7 communes located in the area of Contract CW-E and had a series of consultation meeting from 5 Oct 2020 through 19 Nov 2020 with commune chief and commune council members to establish GRC of the project. The date of meeting and places for CW-E are shown in the Table 5-1.

Table 5-5: Details of Meeting for Establishment of GRC for CW-E

No	Date of Meeting	Name of Commune	Number of Participants in the meeting	Selected GRC Members
1	6 Aug 2020	Kampong Domrei	7	3
2	6 Aug 2020	Domrei Phong	6	3
3	6 Aug 2020	Chhlong	10	3

43. The established GRM for CW-E and the minutes of meeting for consultation and selection of GRC members for CW-E are attached in **Appendix 7**.

## **5.6 Complaints Received**

44. During this reporting period, there has been no complaints received from local people or community. Local people were satisfied with the start of civil work in the whole project.

## **5.7 Project Information Booklet (PIB) Preparation and Disclosed**

45. The GRC for all contracts have been established for each commune in the project roads, and the SEO visited every communes and held meeting to explain about the GRM and how to complain any environment and social impacts. But the GRM only has been posted at the commune offices and public places. The PMU and SEO planned to draft a content of PIB design, but it has not completed. The PIB design and printing will be completed by the end of April 2021, and the SEO will distribute the PIB to all households along the project roads from May to June 2021. By the end of 2021, the PIB will be distributed to all beneficiary households in the project.

# **6 SOCIAL MONITORING**

## **6.1 Follow-up of Voluntary Donation Procedures for Raising of Embankment in TBK3**

46. The Chhuk Commune chief and VDC of administrative local authority of TBK3 of CW-B2 requested PDRD and the contractor in March 2020 to raise embankment at flooded section at the end point for 288m in length. A consultation meeting was held between the MRD, PDRD and local authority (Chhuk Commune) with VDC members at the Chhuk Commune office on 9 March 2020. There were five houses which are expected to be partly affected of zinc roof extension due to the raising of embankment, and all house owners were met with the joint inspection group. The owners of properties agreed to the raising of embankment and promise to voluntarily donate affected properties. The donation procedure of affected zinc roofs has been in line with the Community Participation Framework (CPF) and the verification of statement by the VDC chief and VDC members have been done.

47. After completion of raising embankment at this section, follow-up inspection has been done by the DDIS consultants with local authority. Among 5 affected house, two houses were raised to the new finish level of paved roads without damaging the old houses, thus no impact has been



done on their roofs. Another two houses, the raising of embankment did not affect any part of house structure. The roofs are kept as same as original shape after construction.

48. The house owner of small shop, Ms. Meng Laisreang demolished her shop to rebuild a new house to be matched with the same level of raised road elevation. The shop used to sell some phone accessory and run by her son. And the shop is closed during the absence of son. After she demolished her shop house, she and her son went to her rubber plantation located in the same district. She was so busy that she postponed to rebuild the house. As the rubber plantation is the main income source of family, there is no loss of income due to the temporary closure of shop. On the other hand, the contractor helped the house owner by raising the old house land to facilitate the building of new house with the contractor's own expense. And the contractor also provided access by construction of embankment to the owner's main house land located about 50 m behind the shop. Ms. Meng Laisreang could save money to rebuild the shop and to make access to her main house by the support from the contractor. She appreciated to the support of contractor during the interview made after the completion of embankment work.

49. The status of houses after raising embankment are summarized in the Table 6.1.

Table 6-1: Status of Houses after raising embankment in TBK3

House No.	Station	Name of Owner	Property Donated	Actual Status after construction
1	13+785-13+793 (L)	Mr. Sles Man	Zinc roof extension 53.9 m2	Raised house without damaging the roof
2	13+785-13+792 (R)	Ms. Meng Laisreang	Zinc roof extension 19.8 m2	Owner demolished the house (shop) to rebuild, the contractor helped to raise land and constructed access road to her main house in the back. No income loss was made due to the raising embankment.
3	13+815-13+812 (L)	Mr. Dim Darith	Zinc roof extension 51.0 m2	Raised house without damaging the roof
4	13+750-13+755 (R)	Ms. Nhor Sithan	Zinc roof extension 10.6 m2	Raised embankment without damaging the roof.
5	13+750-13+755 (L)	Ms. Nhor Sreymak	Zinc roof extension 15.0 m2	Raised embankment without damaging the roof.

50. The status of Affected House before and after construction is shown in **Appendix 8**.

## 6.2 Social Monitoring for Civil Works

51. The international gender specialist and SEO conducted social monitoring from 23 November 2020 to 27 November 2020 for all ongoing contracts. The inspection team interviewed with workers, local authority and local people living along the project roads on the existence of social issues involved with improvement works. And there was no social issue raised during the inspection. It was also confirmed there is no indigenous people living within the project area.



Visited Preah Seda Commune in Prey Veng Province and held a meeting



Interviewed with local people on the social impact of the project

52. The team also checked the completion of Contract CW-B2. The two site camps having been built by the contractor have been completely closed and returned to the land owners. No complaints in relation with the closure of two camps were raised by the land owners or local people. Local people and local communities were satisfied with the completion of DBST pavement on the two project roads and drainage facilities built to avoid flooding during rainy season. The four overloaded control gates have been built to control over-sized heavy trucks for asset management of rural roads.

### 6.3 HIV/Human Trafficking Awareness and Prevention Program

53. Both of the HIV/AIDS subcontractors of CW-A (Cooperation for Social Services and Development (CSSD)) and CW-D (Community Development of Humanitarian Association (CDOH) , conducted HIV/AIDS and human trafficking awareness education in the target area of TBK1 and TBK3. Total of 1,894 person (1,274 women) for CW-A and 126 person (76 women) have been educated during this period. The detailed numbers educated are shown in Table 6-2.

Table 6-2: Status of HIV/AIDS Education for Civil Works

Period	Contract CW-A (CSSD)			Contract CW-D (CDOH)		
	Men	Women	Total	Men	Women	Total
Sep 2020	124	314	438			
Oct 2020	150	290	440			
Nov 2020	239	404	643	32	41	73
Dec 2020	107	266	373	18	35	53
Total	620	1,274	1,894	50	76	126

54. The sub-contractor's HIV/AIDS prevention education and training have been restricted frequently by the government order on the prohibition of meeting or events gathering more than 10 persons to avoid spread of COVID-19 during the reporting period.

#### 6.4 Baseline Socio-economic Survey

55. In the project, there are 20 project roads located in 50 communes in 20 districts in the 5 project provinces. 160 villages with approx. 189,000 people in more than 45,000 households along the project roads. Collected field data from 786 households for the sex-disaggregated baseline socioeconomic report has been analyzed and the baseline socio-economic survey report has been completed. The draft baseline-survey report submitted to ADB on 30 September 2020.

#### 6.5 Health and Safety Plan on COVID-19

56. The civil work contractors implemented the Health and Safety Plan on COVID-19 in the site during the report period to avoid the spread of COVID-19 and took preventive action for hygienic environment and training of workers.

57. The daily record of workers and visitors at each location have been maintained during construction. The contractor implemented good hygiene and infection control and cleaning.

58. Screen all workers at the beginning of their work and construction manager checked temperature as spot check during working hours. Digital infrared head thermometer has been used for temperature check. Any workers with a temperature higher than 37.3 degree was not allowed to work in the site.







59. Social distancing of at least 2 meters of separation has been maintained by every person on the worksite at all times. When the sodding work was done, minimum distancing of 2 meters has been educated before start of activity and maintained during work.

60. The Ministry of Health in Cambodia confirmed 366 cases of COVID-19 with 361 recoveries and no death as of the end of December 2020. No patient of COVID-19 occurred in the project sites during this reporting period.

## **6.6 Due Diligence Report of Additional Roads**

61. Originally, it was planned to include 4 additional roads (30.4 km) to the work scope. Since there was virtually no saving during the bidding process of civil works, it is not possible to include those 4 roads. In consideration of available contingency of the project budget, it is possible to add only 2 roads.

62. Meanwhile, there is one candidate road of 14.3 km in length with the existing road width of 8.0m proposed by the PDRD Svay Rieang. This road is uniformly 8.0m in width for the whole length, therefore no resettlement impact is expected. Therefore it is proposed to improve KRT3 (8.6km) in Kratie which is less resettlement impact compared with the other 3 roads and one road in Svay Rieang (14.3 km). As the both roads do not have resettlement issues, due diligence report of the two roads will be completed and submitted to ADB by the end of May 2021.

## 7 COMPLIANCE WITH LOAN COVENANTS

64. The general progress of the compliance with loan covenants related to environment and social safeguards is summarized in Table 7-1.

Table 7-1: General progress of Compliance with Loan Covenants

Schedule	Para No.	Loan Covenants	Remarks/Issues (Status of Compliance)
4	3	<p><u>Environment</u></p> <p>The Borrower shall ensure that the preparation, design, construction, implementation, operation and decommissioning of the Project and all Project facilities comply with:</p> <p>(a) all applicable laws and regulations of the Borrower relating to environment, health and safety;</p> <p>(b) the Environmental Safeguards; and</p> <p>(c) all measures and requirements set forth in the IEE, the EMP, and any corrective or preventative actions set forth in a Safeguards Monitoring Report.</p>	<p>Ongoing,</p> <p>The integrated environment and social safeguards monitoring report for Jan-June 2020 was submitted on 29 July 2020 and approved by ADB. (posted on ADB website) .</p>
4	4	<p>The Borrower shall ensure that the detailed engineering design of the Project roads incorporates the recommendations from the project climate risk and vulnerability analysis for managing climate change risks.</p>	Complied.
4	5	<p><u>Land Acquisition</u></p> <p>The Borrower shall ensure that the Project does not have any involuntary resettlement impacts, all within the meaning of the SPS. The Borrower shall ensure that:</p> <p>(a) the due diligence report on the Project roads is updated upon completion of detailed engineering design on those Project roads to confirm that there is no resettlement or land acquisition impacts, and submitted, together with all the relevant supporting document, to ADB for review; and</p> <p>(b) no Works contract will commence until ADB has given its no-objection. In the event the impact does have any involuntary resettlement impact, the Borrower shall take all steps required to ensure that the Project complies with the applicable laws and regulations of the Borrower and with the SPS.</p>	<p>Ongoing</p> <p>All project construction will take place within the existing ROW, and no private land is affected;</p> <p>(a) The updated Due Diligence Report was submitted and cleared by ADB in April 2020.</p> <p>(b) The civil works started after the approval of updated due diligence report of project.</p>
4	6	<p>In the case of voluntary land donations for the Project, the Borrower shall ensure that:</p> <p>(a) eminent domain or other powers of the Borrower is not involved in the acquisition,</p> <p>(b) such voluntary donations are implemented in accordance with the CPF,</p> <p>(c) there was informed consent and power of choice of affected persons through a prior</p>	<p>Ongoing.</p> <p>Follow up of donations of zinc roof by 5 house in order to raise embankment to avoid flooding at the end of TBK3 in contract CW-B2 as proposed by the Chhuk Commune in Krouch Chhmar District.</p>

Schedule	Para No.	Loan Covenants	Remarks/Issues (Status of Compliance)
		and informed consultation(s) with them, and (d) such voluntary donations do not severely affect the living standards of the affected persons but benefit them directly.	After construction, it has been confirmed that (i) 2 houses have raised the house to be matched with the raised road elevations, (ii) 2 houses were not impacted by the projects and the roofs are not touched by the raising works, and (iii) one house has been demolished by the owner to build a new one at the same location and the contractor helped to make the ground as same level of raised road level. Above follow up situation has been reported to ADB and approved for its safeguard action.
4	8	<u>Indigenous Peoples</u> The Borrower shall ensure that the Project does not have any ethnic minorities or indigenous peoples impacts, all within the meaning of the SPS. If unanticipated impacts on Indigenous Peoples become apparent during the project implementation stage, such as a change in the Project's footprint, the Borrower shall carry out a social impact assessment and formulate an indigenous peoples plan for the Project covering all applicable requirements specified in the SPS and the Borrower's laws and regulations.	Ongoing. Social Due Diligence and transect walks conducted on the project roads confirm that there are no affected indigenous people in the project areas.  Socio-economic baseline survey has been done and the report was submitted to ADB. Based on the field survey it has been confirmed that there are no indigenous people in the project site.
	9	The Borrower shall ensure that: (a) the due diligence report on the Project roads is updated upon completion of detailed engineering design on those Project roads to confirm that there are no ethnic minority and/or indigenous peoples impacts, and submitted, together with all the relevant supporting document, to ADB for review; and (b) no Works contract will commence until ADB has given its no-objection.	Updated Due Diligence Report was submitted to ADB and approved by ADB before the civil works started.
4	10	<u>Human and Financial Resources to Implement Safeguards Requirements:</u> The Borrower shall make available necessary budgetary and human resources to fully implement the EMP.	Ongoing.
4	11	<u>Safeguards – Related Provisions in Bidding Documents and Works Contracts</u> The Borrower shall ensure that all bidding documents and contracts for Works contain provisions that require contractors to: (a) comply with the measures relevant to the contractor set forth in the IEE, the EMP, and any corrective or preventive actions	Ongoing  Included in the bidding documents of all 8 packages of Contracts of CW-A, CW-B1, CW-B2, CW-C1, CW-C2, CW-C3, CW-D and CW-E.

Schedule	Para No.	Loan Covenants	Remarks/Issues (Status of Compliance)
		<p>set forth in a Safeguards Monitoring Report;</p> <p>(b) make available a budget for all such environmental and social measures;</p> <p>(c) provide the Borrower with a written notice of any unanticipated environmental, resettlement or indigenous peoples risks or impacts that arise during construction, implementation or operation of the Project that were not considered in the IEE or the EMP;</p> <p>(d) adequately records the condition of roads, agricultural land, and other infrastructure prior to starting to transport materials and construction; and</p> <p>(e) reinstate pathways, other local infrastructure, and agricultural land to at least their pre-project condition upon the completion of construction.</p>	
4	12	<p><u>Safeguards monitoring and reporting</u></p> <p>The Borrower shall:</p> <p>(a) Submit semi-annual Safe-guards Monitoring Reports to ADB and disclose relevant information from such reports to affected persons promptly upon submission;</p> <p>(b) if any unanticipated environmental and/or social risks and impacts arise during construction, implementation or operation of the Project that were not considered in the IEE or the EMP, promptly inform ADB of the occurrence of such risks or impacts, with detailed description of the event and proposed corrective action plan; and</p> <p>(c) report any actual or potential breach of compliance with the measures and requirements set forth in the EMP promptly after becoming aware of the breach.</p>	<p>Ongoing.</p> <p>(a) First semi-annual safeguards monitoring report for the period of Jul-Dec 2019 was submitted on 28 Jan 2020 and has been disclosed by uploading to MRD website<sup>4</sup> upon clearance by ADB</p> <p>Second semi-annual safeguards monitoring report for the period of Jan-Jun 2020 was submitted on 29 July 2020 and has been disclosed by uploading to MRD website<sup>5</sup> upon clearance by ADB</p> <p>(b) Unanticipated social impact was broken out due to COVID-19 broke out worldwide. The health and safety plan on the COVID-19 was prepared by the contractors, and preventive action against the spread of COVID-19 has been undertaken by the contractors. No worker in the project has been affected by the COVID-19 during this period.</p> <p>(c) No actual or potential breach of compliance with the EMP.</p>

<sup>4</sup> [https:// www.mrd.gov.kh/rrip-iii/#1582875640277-25e61c45-189b](https://www.mrd.gov.kh/rrip-iii/#1582875640277-25e61c45-189b)

<sup>5</sup> [https:// www.mrd.gov.kh/rrip-iii/#1582875640277-25e61c45-189b](https://www.mrd.gov.kh/rrip-iii/#1582875640277-25e61c45-189b)



Schedule	Para No.	Loan Covenants	Remarks/Issues (Status of Compliance)
4	17	<p><u>Grievance Redress Mechanisms</u></p> <p>Within 3 months of the Effective Date, the Borrower shall ensure that:</p> <p>(a) a separate local safeguards grievance redress mechanism, acceptable to ADB, is established in accordance with the provisions of the EMP, the CPF and the SPS, to consider any safeguards complaints; and</p> <p>(b) the local grievance redress mechanism is functioning effectively to (i) review and document eligible complaints of Project stakeholders; (ii) proactively address grievances; (iii) provide the complainants with notice of the chosen mechanism/action; (iv) prepare periodic reports to summarize the number of complaints received and resolved, chosen actions, and final outcomes/status of the grievances; and (v) make these reports available to ADB as part of the Safeguards Monitoring Report, including quarterly and semiannual reports and reports upon request. Eligible complaints include those related to the Project, any of the service providers, any person responsible for carrying out the Project, complaints on misuse of funds and other irregularities, and gender-related grievances.</p>	<p>Ongoing.</p> <p>(a) Grievance Redress Mechanism has been established in areas where project construction works have commenced (Contract CW-A, CW-B1, CW-B2, CW-C1, CW-C2, CW-C3, CW-D and CW-E.</p> <p>(b) The GRM has been being functioned. No complaints have been received.</p>

## **8 CONCLUSION AND RECOMMENDATIONS**

### **8.1 Environmental Safeguards**

65. Due to the threat of COVID-19 and international travel restriction, International environment specialist and International social development/safeguards specialist could not be mobilized during this reporting period. The integrated environment and social monitoring have been conducted by International gender specialist, national environmental specialist and gender specialist together with SEO officers in the MRD.

66. The Contract CW-B2 in Tboung Khmum Province has been physically completed as of 31 October 2020 and the joint inspection team of MRD, PDRD, SEO and DDIS consultant visited 2 project roads in the contract, TBK1 (9.96 km) and TBK3 (13.83 km), on 13 November 2020 and inspected closure of two camp sites and environment status along the project roads. Through the inspection, it has been confirmed that the two contractor's camp sites had been cleaned and closed, and the temporary rented lands have been returned to the owners by the contractor. All borrow pits were graded and closed, and warning signs were installed. The slopes of roads were covered by sodding to avoid erosion. No environment complains and issues were found. Periodic site inspection will be continued during the defect liability period.

67. Semi-annual environment monitoring on the ongoing civil works sites of the Project has been conducted from 29 December 2020 to 7 January 2021, by the SEO officer and national environment specialist. The monitoring team visited environment mitigation activities of all contractor's site camps in operation checked housekeeping such as oil spillage, worker's quarters, toilet facilities, and waste management. In the road improve construction site, dust and noise control, oil spills, water contamination and vibration have been checked in order to ensure compliance with the project EMP, CEMP and ADB Safeguard Policy Statement 2009.

68. The contractors generally complied with safeguards statement during construction according to the CEMP, but there still need some more improvement to provide clean environment for the workers in the camps. And solid waste control and septic tank for waste water in the site camps have not yet properly managed. As the weather condition of Cambodia entered into dry season, more frequent water spray will be required.

69. The Grievance Redress Mechanism (GRM) for the whole civil works contracts have been established by the PMU with the members from the local authorities (commune levels) chaired by Project Manager of MRD.

70. During the second half of 2020, all contracts have been awarded and commenced. The GRC for all contracts have been established for each commune in the project roads, and the SEO visited every communes and held meeting to explain about the GRM and how to complain any environment and social impacts. But the GRM only has been posted at the commune offices and public places. The PMU and SEO planned to draft a content of PIB design, but it has not completed. The PIB design and printing will be completed by the end of April 2021, and the SEO will distribute the PIB to all households along the project roads from May to June 2021. By the end of 2021, the PIB will be distributed to all beneficiary households in the project.

71. It is recommended that DDIS consultants together with SEO should inspect the construction sites in the next monitoring using a sample monitoring form (File name: suggested monitoring form for on-going projects) to ensure the EMP measures are fully covered in the next SMR and enable the project to demonstrate environmental compliance.

### **8.2 Social Safeguards**

72. The raising embankment at the end of TBK3 of CW-B2 requested by the Chhuk Commune in March 2020 have been completed 3<sup>rd</sup> quarter of 2020. After completion of raising embankment, follow-up inspection has been done by the DDIS consultants with local authority. Among 5 affected

house, two houses made rising of old house up to the new finish level of paved roads, thus no impact has been done on their roofs. Another two houses, the raising of embankment did not affect the any part of house structure. The roofs are kept as same as original shape before construction. The house owner of small shop demolished her shop to rebuild a new house to be matched with the raised road elevation. The rebuilding house has been postponed as the owner and her son had to work in her rubber plantation which is her main income source. Therefore there is no income loss due to the delay of building a new shop. The contractor helped the house owner by raising the embankment for new shop land and making embankment to facilitating easy access to her main house in the back of the shop. There were no complaints in relation with the raising embankment and house owners were satisfied with the raised road elevation over the flood elevation.

73. The international gender specialist and SEO conducted social monitoring from 23 November 2020 to 27 November 2020 for all ongoing contracts. The inspection team interviewed with workers, local authority and local people living along the project roads on the existence of social issues involved with improvement works. And there was no social issue raised during the inspection. It was also confirmed there is no indigenous people living within the project area.

74. Both of the HIV/AIDS subcontractors of CW-A (Cooperation for Social Services and Development (CSSD)) and CW-D (Community Development of Humanitarian Association (CDOH)), conducted HIV/AIDS and human trafficking awareness education in the target area of TBK1 and TBK3. Total of 1,894 person (1,274 women) for CW-A and 126 person (76 women) have been educated during this period.

75. In the project, there are 20 project roads located in 50 communes in 20 districts in the 5 project provinces. 160 villages with approx. 189,000 people in more than 45,000 households along the project roads. Collected field data from 786 households for the sex-disaggregated baseline socioeconomic report has been analyzed and the baseline socio-economic survey report has been completed. The draft baseline-survey report submitted to ADB on 30 September 2020.

76. The civil work contractors implemented the Health and Safety Plan on COVID-19 in the site during the report period to avoid the spread of COVID-19 and took preventive action for hygienic environment and training of workers. The contractor implemented good hygiene and infection control and cleaning. Screen all workers at the beginning of their work and construction manager checked temperature as spot check during working hours. Digital infrared head thermometer has been used for temperature check. The Ministry of Health in Cambodia confirmed 366 cases of COVID-19 with 361 recoveries and no death as of the end of December 2020. No patient of COVID-19 occurred in the project sites during this reporting period.

## Appendix 1.

### Site Environmental Compliance Inspection and Monitoring of Contract CW-B2 Completion

1. Provided below is a sample form which may be utilized (and adapted as needed) to record the results of a compliance inspection or source or ambient monitoring at a project site.

<b>Project : ADB LOAN 3678-CAM (COL)/GRANT 0581-CAM (SF) RURAL ROADS IMPROVEMENT PROJECT III</b>		<b>Implementing Agency: Ministry of Rural Development</b>
<b>Sub-Project : CW-B2</b>		<b>Monitoring Agency : Social and Environment Office</b>
<b>Location : Tbong Khmum Province</b>		<b>Enforcement Agency : Korea Consultants International Co., Ltd.</b>
<b>Date : 13 November 2020</b>		<b>Contractor(s) : Ung Sim Sia Construction Co. Ltd.</b>
<b>Reporting Period : July-Dec. 2020</b>		<b>Implementation Phase: Post-Construction / Operation</b>

#### 1. Mitigation Compliance Inspection

Impact / Mitigation Measure (From EMP)	Mitigations Implemented (Yes, No)	Mitigations Effective? (1 to 5)*	Impact Observed / Location	Action Required	Contractor Response / Comment	Endorsed by:
						Implementing Agency
QUARRY/ BORROW AREAS						
Prior to extraction, topsoil (about 15cm) shall be stockpiled, preserved and then refilled after completion of quarry/borrow pit operation for rehabilitation purposes after excavation is over	Yes	1				PMU of MRD and PDRD Tbong Khmum
Upon completion of extraction activities, re-contour burrow/quarry pit wall or fill-up when there are available and suitable materials such as excavation spoils, replace topsoil, and re-vegetate with native species such as grasses and fast- growing shrubs and trees.	Yes	1				PMU of MRD and PDRD Tbong Khmum

<i>Upon completion of extraction activities, burrow pits shall be dewatered and fences and warning signs shall be installed, as appropriate, to minimize health and safety risks.</i>	Yes <i>(warning signs were installed)</i>	1	PMU of MRD and PDRD Tbong Khmum
<i>In quarries in mountainous or hilly areas, or wherever slopes are important, terraces shall be cut after extraction, drainage system and vegetation cover shall be provided for rehabilitation to enhance slope stability</i>	Yes <i>(No quarry was established, and contractor purchased aggregate from Commercial quarry)</i>	1	PMU of MRD and PDRD Tbong Khmum
<i>Implement compensatory planting (at least one is to one ratio) if trees will have to be removed at quarry and burrow sites.</i>	Yes <i>(No big was removed)</i>	1	PMU of MRD and PDRD Tbong Khmum
<i>Burrow pits will be left in a tidy state with stable side slopes and proper drainage in order to minimize soil erosion, siltation of nearby bodies of water and to avoid creation of water bodies favorable for mosquito breeding.</i>	Yes	1	PMU of MRD and PDRD Tbong Khmum
<i>To avoid drowning when pits become water-filled, measures such as fencing, providing flotation devices such as a buoy tied to a rope, etc. shall be implemented.</i>	Yes <i>(No water or low water level and warning signs installed)</i>	1	PMU of MRD and PDRD Tbong Khmum
<i>It is possible that villagers may request burrow pits to be left excavated so that they may be used as water reservoirs or fishponds. If this were to be agreed between the contractors and the villagers, all the full safety measures detailed above must be observed. Such agreements would be formalized in writing</i>	Yes	1	PMU of MRD and PDRD Tbong Khmum

*between the contractors and the villagers after full discussion with all concerned parties.*

### Construction and Workers Camp

<i>Construction/workers camps shall be cleaned up after use to the satisfaction of MRD/SEO/DDIS and local community. All waste materials shall be removed and disposed to disposal sites approved by local authorities.</i>	Yes <i>(Camp site has been cleaned and no waste)</i>	1	PMU of MRD and PDRD Tbong Khmum
<i>Land used for campsites shall be restored to the original condition as far as practicable and the area shall be planted with appropriate trees/shrubs as soon as practicable after it is vacated and cleaned.</i>	Yes <i>(The camp site land is flat and empty before use)</i>	1	PMU of MRD and PDRD Tbong Khmum
<i>Prohibit disposal of solid wastes into canals, rivers, other watercourses, agricultural field and public areas, and ensure that wastes are not haphazardly dumped within the project site and adjacent areas.</i>	Yes <i>(Along the project roads, there is no river or water channel)</i>	1	PMU of MRD and PDRD Tbong Khmum
<i>There will be no site-specific landfills established by the contractors. All solid waste will be regularly collected and removed from the work camps and disposed to areas approved by local authorities.</i>	Yes	1	PMU of MRD and PDRD Tbong Khmum
<i>Recyclables shall be recovered and sold.</i>	Yes	1	PMU of MRD and PDRD Tbong Khmum
<i>Residual and hazardous wastes shall be disposed of in disposal sites approved by local authorities.</i>	Yes	1	PMU of MRD and PDRD Tbong Khmum
<i>Ensure that wastes are not haphazardly dumped within the project site and adjacent areas.</i>	Yes	1	

<b>Operation Phase</b> (Increased number of vehicles) to be implemented by the PRRD not Contractor			
<i>Elevated noise levels</i>	Yes	1	PMU of MRD and PDRD Tbong Khmum
<i>Along schools, hospitals, etc., provide traffic signs prohibiting blowing of horns and impose speed limits.</i>	<i>(Not many trucks use the project roads)</i>		
<i>Road safety risks</i>	Yes	1	PMU of MRD and PDRD Tbong Khmum
<i>Implementation of a community-based road safety program under the Project to increase safety awareness. The program includes education program for schools, drivers, road users, and the community.</i>	<i>(SEO/MRD periodically provide awareness education for schools and community)</i>		
<i>Proper maintenance of traffic signs, markings and other devices used to regulate traffic at appropriate places.</i>	Yes	1	PMU of MRD and PDRD Tbong Khmum
	<i>(All traffic signs are in place and road markings have been painted)</i>		
<i>SEO will also consult commune chiefs, police, commune elders, and monks in nearby pagoda for collecting crash data/locations, consultations and request support for the proposed road safety activities:</i>	Yes	1	PMU of MRD and PDRD Tbong Khmum
<i>(i) initiating road safety education program targeting tourists to be implemented at site;</i>	<i>(SEO regularly collects crash data and provide education on road safety)</i>		
<i>(ii) banning alcohol consumption at site and en-route, if necessary declaring the entire zone a religious area free of alcohol;</i>			
<i>(iii) post information boards at site and en- route regarding</i>			

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*intoxication prohibition, and possible impacts to self and family; and*

*(iv) organize surprise visits by monks, elders, police, commune leaders, etc. to socially enforce compliance of tourists in anti-alcohol ethics.(v)SEO will also establish a social media website within MRD web to focus on the safety issue of project road locations to attract attention of stakeholders, especially mothers and spouses of potential violators, for compliance for anti-drinking driving behavior.*

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\* Mitigation Effectiveness Rating Criteria (Indicative examples)

1. Very Good (all required mitigations implemented)
2. Good ( the majority of required mitigations implemented)
3. Fair (some mitigations implemented)
4. Poor (few mitigations implemented)
5. Very Poor (very few mitigations implemented)



**2. Emission Discharge Monitoring (if relevant)**

Parameter	Date / Location	Measured by	Monitoring Equipment	Result	Standard	% Exceedence	Action Required	Contractor Responses / Comments	Endorsed by:
									Implementing Agency
No emission discharge problem									PMU of MRD and PDRD Tbong Khmum

**3. Ambient Monitoring (if relevant)**

Parameter	Date / Location	Measured by	Monitoring Equipment	Result	Standard	% Exceedence	Action Required	Contractor Responses / Comments	Endorsed by:
									Implementing Agency
Air quality in good condition									PMU of MRD and PDRD Tbong Khmum

This information is accessible to ADB Management and staff, as described in AO 4.17. It may not be shared with external parties without the permission of the information asset originator.

**4. Environmental Incidents During Reporting Period (if relevant)**

Environmental Incidents (accidents, spills, complaint)	Date / Location	Reported by	Description / Location	Action Taken	Further Action Required	Endorsed by:	
						Implementing Agency	Monitoring Agency
No accident, spills, complaint						PDRD Tbong Khumum	PMU of MRD

**5. Summary of Actions Required and Follow-up (if relevant)**

Summary of Actions Required and Follow-up (if necessary)			
Action Required	Timeframe (e.g. within one week)	Responsible Parties	Follow-up (to be completed if inspection/monitoring indicates actions are required)
			Required Action Taken:
			Prepared by:
			Date:

**Inspection Completed by:**

**Date:** \_\_\_\_\_

**Signature:**

**Notes:**

**Attachments: Photographs**

(e.g. laboratory reports, photographs)

## **Appendix 2. Environmental Monitoring Inspection Report with Pictures**



Ministry of Rural Development

Rural Roads Improvement Project III,  
ADB Loan 3678-CAM(COL)/Grant-0581-CAM(SF)

## **Semi-Annual Environmental Monitoring Report**

### **Contract CW-A**

(30-31 December, 2020)

#### **A. Introduction**

The Contract CW-A of RRIP III is already under the construction stage. The Consultants (Mr. Chhoun Sophea, Environmental officers/SEO and Mr. Hang Sopha, National Environmental Specialist) conducted field environmental monitoring of 5 roads which have been ongoing civil works. The site monitoring activities included roads visits, site borrow pit checking and discussion/consultation with site consultant, contractor's staff and the local communities.

#### **B. Objectives of the Site Visit**

The objectives of the site visit are as follows:

1. Check camp site of KC1 and KC5 road.
2. Conduct environmental monitoring of road works for KC1, KC3, KC4, KC5 and KC6.
3. Monitor compliance with the implementation of the Environmental Management Plan (EMP) as provided in the civil works package.
4. Conduct monitoring of the implementation of the EMP checklist, checking appropriateness of compliance, on-site discussion of findings and providing advice and recommendations;
5. Identify the key impacts or any complaints and recommend corrective actions.




#### **C-Schedules Activities**

Date-time	Monitoring Activities	Remarks
30 December 2020 08:00 a.m.- 6:00 p.m.	- Site monitors of environment management of road construction activities at KC1 and KC3	Consulting with RE, inspector, Site manager, contractors and local authority and people along the roads
31 December 2020 08:00 a.m.- 4:00 p.m.	- Site monitors of environment management of road construction activities at KC5, KC6 and KC4	Consulting with RE, inspector, Site manager, contractors and local authority and people along the roads




## D. Observation and Assessment Checklist

### (1) KC1 Road



No	Items Checked and Required Action	Status	Action to be Taken
1	<p><b>Put Public Information Booklet (PIB) at Commune Office.</b></p> <p>(Required Action) Public information Booklet should be in every commune office in the project area</p>	-One GRM leaflet attached at the Camp site and commune office but no Public Information Booklet(PIB)	- Public Information Booklet (PIB) should be kept in every commune office in the project area.
2	<p><b>Project Information board locations to be shown with contact number and organization</b></p> <p>(Required Action) Project information board should be installed at the starting point and included contact number and organization (MRD).</p>	- Project information board has not yet installed.	-Contractor should install project information board at the beginning point of the project road. The project information board should include contact number and organization (MRD).
3	<p><b>Dust control at construction site</b></p> <p>(Required Action) Regular and frequent Repair road sprinklers and control dust at construction site</p>	-Frequency of sprinkling water is not enough to control dust.	-Contractor should sprinkling water more frequently during dry season and transporting trucks should be equipped with cover sheet.




No	Items Checked and Required Action	Status	Action to be Taken
4	<b>Proper garbage bins and solid waste management</b>  (Required Action)	-No garbage bin in the camp site.  	-Contractor should put large size dust bin with plastic garbage collecting bags. Collected wastes should be transported and dumped at garbage disposal site operated by local authorities.
5	<b>Wastewater control at camps and water stagnant</b>  (Required Action)	-There is water stagnant area in the camp site.  	- Contractor should provide proper drainage to avoid water stagnant which cause mosquito breeding.
6	<b>Hazardous waste/materials storage</b>  (Required Action) Oils and hazardous materials should be stored in separate location and oil leaks should be cleaned.	-Oil tank and hazardous waste/material storage has been built separately with roof  	-Keep maintenance as clean.






No	Items Checked and Required Action	Status	Action to be Taken
7	<p><b>Vehicle maintenance at site camp.</b></p> <p>(Required Action) Make separate space for vehicle repair and maintenance designed to contain spilled lubricants and fuel.</p>	<p>-Contractor prepared separate space for vehicle repair and maintenance.</p> 	<p>-Contractor should keep clean the repair area in order.</p>
8	<p><b>Traffic safety measures at construction site.</b></p> <p>(Required Action) Install proper signs and barriers for traffic safety.</p>	<p>-Contractor installed proper signs and barriers at the construction site, but no warning sign at camp site</p> 	<p>-Contractor should install more signs at construction site and install warning signs at the entrance of camp site.</p>
9	<p><b>Toilet facilities</b></p> <p>(Required Action) Install at least 2 toilets for the separate use of men and women.</p>	<p>-Contractor installed 2 toilets.</p> 	

**(2) KC3 Road**



No	Items Checked and Required Action	Status	Action to be Taken
1	<p><b>Put Public Information Booklet (PIB) at Commune Office.</b></p> <p>(Required Action) Public information Booklet should be in every commune office in the project area</p>	<p>-One GRM leaflet attached at the Camp site and commune office but no Public Information Booklet(PIB)</p> 	<p>- Public Information Booklet (PIB) should be kept in every commune office in the project area.</p>
2	<p><b>Project Information board locations to be shown with contact number and organization</b></p> <p>(Required Action) Project information board should be installed at the starting point and included contact number and organization (MRD).</p>	<p>- Project information board has not yet installed.</p>	<p>-Contractor should install project information board at the beginning point of the project road. The project information board should include contact number and organization (MRD).</p>
3	<p><b>Dust control at construction site</b></p> <p>(Required Action) Regular and frequent Repair road sprinklers and control dust at construction site</p>	<p>-Frequency of sprinkling water is not enough to control dust.</p> 	<p>-Contractor should sprinkling water more frequently during dry season and transporting trucks should be equipped with cover sheet.</p>




No	Items Checked and Required Action	Status	Action to be Taken
4	<b>Proper garbage bins and solid waste management</b>  (Required Action)	<p>-No garbage bin in the camp site.</p> 	<p>-Contractor should put large size dust bin with plastic garbage collecting bags. Collected wastes should be transported and dumped at garbage disposal site operated by local authorities.</p>
5	<b>Wastewater control at camps and water stagnant</b>  (Required Action)	<p>-There is water stagnant area in the camp site.</p> 	<p>- Contractor should provide proper drainage to avoid water stagnant which cause mosquito breeding.</p>
6	<b>Hazardous waste/materials storage</b>  (Required Action) Oils and hazardous materials should be stored in separate location and oil leaks should be cleaned.	<p>-Oil tank and hazardous waste/material storage has been mixed up without proper roof.</p> 	<p>-Oil tank should be equipped with roof and used oil drums should be kept separately. Keep maintenance as clean.</p>

No	Items Checked and Required Action	Status	Action to be Taken
7	<p><b>Vehicle maintenance at site camp.</b></p> <p>(Required Action) Make separate space for vehicle repair and maintenance designed to contain spilled lubricants and fuel.</p>	<p>-Contractor prepared separate space for vehicle repair and maintenance.</p> 	<p>-Contractor should keep clean the repair area in order.</p>
8	<p><b>Traffic safety measures at construction site.</b></p> <p>(Required Action) Install proper signs and barriers for traffic safety.</p>	<p>-Contractor did not install proper signs and barriers at the construction site, and but no warning sign at camp site</p> 	<p>-Contractor should install proper signs at construction site and install warning signs at the entrance of camp site.</p>
9	<p><b>Toilet facilities</b></p> <p>(Required Action) Install at least 2 toilets for the separate use of men and women.</p>	<p>-Contractor installed 2 toilets</p> 	



**(3) KC4 Road**



No	Items Checked and Required Action	Status	Action to be Taken
1	<p><b>Put Public Information Booklet (PIB) at Commune Office.</b></p> <p>(Required Action) Public information Booklet should be in every commune office in the project area</p>	<p>-One GRM leaflet attached at the Camp site and commune office but no Public Information Booklet(PIB)</p> 	<p>- Public Information Booklet (PIB) should be kept in every commune office in the project area.</p>
2	<p><b>Project Information board locations to be shown with contact number and organization</b></p> <p>(Required Action) Project information board should be installed at the starting point and included contact number and organization (MRD).</p>	<p>- Project information board has not yet installed.</p>	<p>-Contractor should install project information board at the beginning point of the project road. The project information board should include contact number and organization (MRD).</p>
3	<p><b>Dust control at construction site</b></p> <p>(Required Action) Regular and frequent Repair road sprinklers and control dust at construction site</p>	<p>-Frequency of sprinkling water is not enough to control dust.</p> 	<p>-Contractor should sprinkling water more frequently during dry season and transporting trucks should be equipped with cover sheet.</p>


No	Items Checked and Required Action	Status	Action to be Taken
4	<b>Proper garbage bins and solid waste management</b>  (Required Action)	-No garbage bin in the camp site.  	-Contractor should put large size dust bin with plastic garbage collecting bags. Collected wastes should be transported and dumped at garbage disposal site operated by local authorities.
5	<b>Wastewater control at camps and water stagnant</b>  (Required Action)	-There is water stagnant area in the camp site.  	- Contractor should provide proper drainage to avoid water stagnant which cause mosquito breeding.
6	<b>Hazardous waste/materials storage</b>  (Required Action) Oils and hazardous materials should be stored in separate location and oil leaks should be cleaned.	-Oil tank and hazardous waste/material storage has been built separately with roof  	-Keep maintenance as clean.




No	Items Checked and Required Action	Status	Action to be Taken
7	<b>Vehicle maintenance at site camp.</b>  (Required Action) Make separate space for vehicle repair and maintenance designed to contain spilled lubricants and fuel.	-Contractor prepared separate space for vehicle repair and maintenance.	-Contractor should keep clean the repair area in order.
8	<b>Traffic safety measures at construction site.</b>  (Required Action) Install proper signs and barriers for traffic safety.	-Contractor installed proper signs and barriers at the construction site, but no warning sign at camp site	-Contractor should install more signs at construction site and install warning signs at the entrance of camp site.
9	<b>Toilet facilities</b>  (Required Action) Install at least 2 toilets for the separate use of men and women.	-Not yet provided.	-provide toilets




**(4) KC5 Road**



No	Items Checked and Required Action	Status	Action to be Taken
1	<p><b>Put Public Information Booklet (PIB) at Commune Office.</b></p> <p>(Required Action) Public information Booklet should be in every commune office in the project area</p>	<p>-One GRM leaflet attached at the Camp site and commune office but no Public Information Booklet(PIB)</p> 	<p>- Public Information Booklet (PIB) should be kept in every commune office in the project area.</p>
2	<p><b>Project Information board locations to be shown with contact number and organization</b></p> <p>(Required Action) Project information board should be installed at the starting point and included contact number and organization (MRD).</p>	<p>- Project information board has not yet installed.</p>	<p>-Contractor should install project information board at the beginning point of the project road. The project information board should include contact number and organization (MRD).</p>
3	<p><b>Dust control at construction site</b></p> <p>(Required Action) Regular and frequent Repair road sprinklers and control dust at construction site</p>	<p>-Frequency of sprinkling water is not enough to control dust.</p> 	<p>-Contractor should sprinkling water more frequently during dry season and transporting trucks should be equipped with cover sheet.</p>

No	Items Checked and Required Action	Status	Action to be Taken
4	<b>Proper garbage bins and solid waste management</b>  (Required Action)	-No garbage bin in the camp site.  	-Contractor should put large size dust bin with plastic garbage collecting bags. Collected wastes should be transported and dumped at garbage disposal site operated by local authorities.
5	<b>Wastewater control at camps and water stagnant</b>  (Required Action)	-There is water stagnant area in the camp site.  	- Contractor should provide proper drainage to avoid water stagnant which cause mosquito breeding.
6	<b>Hazardous waste/materials storage</b>  (Required Action) Oils and hazardous materials should be stored in separate location and oil leaks should be cleaned.	-Oil tank and hazardous waste/material storage has been built separately with roof	-Keep maintenance as clean.




No	Items Checked and Required Action	Status	Action to be Taken
7	<p><b>Vehicle maintenance at site camp.</b></p> <p>(Required Action) Make separate space for vehicle repair and maintenance designed to contain spilled lubricants and fuel.</p>	<p>-Contractor prepared separate space for vehicle repair, but very small area.</p> 	<p>-Contractor should provide proper vehicle repair and maintenance area.</p>
8	<p><b>Traffic safety measures at construction site.</b></p> <p>(Required Action) Install proper signs and barriers for traffic safety.</p>	<p>-Contractor installed only little signs and barriers at the construction site, and need to install more signs and barriers. No warning sign at camp site</p> 	<p>-Contractor should install more signs at construction site and install warning signs at the entrance of camp site.</p>
9	<p><b>Toilet facilities</b></p> <p>(Required Action) Install at least 2 toilets for the separate use of men and women.</p>		

**(5) KC6 Road**

No	Items Checked and Required Action	Status	Action to be Taken
1	<p><b>Put Public Information Booklet (PIB) at Commune Office.</b></p> <p>(Required Action) Public information Booklet should be in every commune office in the project area</p>	<p>- No Public Information Booklet(PIB) and GRM leaflet at commune</p>	<p>- Public Information Booklet (PIB) should be kept in every commune office in the project area.</p>
2	<p><b>Project Information board locations to be shown with contact number and organization</b></p> <p>(Required Action) Project information board should be installed at the starting point and included contact number and organization (MRD).</p>	<p>- Project information board has not yet installed.</p>	<p>-Contractor should install project information board at the beginning point of the project road. The project information board should include contact number and organization (MRD).</p>
3	<p><b>Dust control at construction site</b></p> <p>(Required Action) Regular and frequent Repair road sprinklers and control dust at construction site</p>	<p>-Frequency of sprinkling water is not enough to control dust.</p> 	<p>-Contractor should sprinkling water more frequently during dry season and transporting trucks should be equipped with cover sheet.</p>

No	Items Checked and Required Action	Status	Action to be Taken
4	<b>Proper garbage bins and solid waste management</b>  (Required Action)	-No garbage bin in the camp site.  	-Contractor should put large size dust bin with plastic garbage collecting bags. Collected wastes should be transported and dumped at garbage disposal site operated by local authorities.
5	<b>Wastewater control at camps and water stagnant</b>  (Required Action)	-There is water stagnant area in the camp site.  	- Contractor should provide proper drainage to avoid water stagnant which cause mosquito breeding.
6	<b>Hazardous waste/materials storage</b>  (Required Action) Oils and hazardous materials should be stored in separate location and oil leaks should be cleaned.	-Oil tank and hazardous waste/material storage has been built separately with roof	-Keep maintenance as clean.



No	Items Checked and Required Action	Status	Action to be Taken
7	<p><b>Vehicle maintenance at site camp.</b></p> <p>(Required Action) Make separate space for vehicle repair and maintenance designed to contain spilled lubricants and fuel.</p>	<p>-Contractor prepared separate space for vehicle repair, but very small area.</p> 	<p>-Contractor should provide proper vehicle repair and maintenance area.</p>
8	<p><b>Traffic safety measures at construction site.</b></p> <p>(Required Action) Install proper signs and barriers for traffic safety.</p>	<p>-Contractor installed only little signs and barriers at the construction site, and need to install more signs and barriers. No warning sign at camp site</p> 	<p>-Contractor should install more signs at construction site and install warning signs at the entrance of camp site.</p>
9	<p><b>Toilet facilities</b></p> <p>(Required Action) Install at least 2 toilets for the separate use of men and women.</p>	<p>-Contractor installed 2 toilets</p> 	



Ministry of Rural Development

Rural Roads Improvement Project III,  
ADB Loan 3678-CAM(COL)/Grant-0581-CAM(SF)

## **Semi-Annual Environmental Monitoring Report**

### **Contract CW-B1**

(29 December, 2020)

#### **A. Introduction**

The Contract CW-B1 of RRIP III is already under the construction stage. The Consultants (Mr. Chhoun Sophea, Environmental officers/SEO and Mr. Hang Sophal, National Environmental Specialist) conducted field environmental monitoring of TBK2 road which has been on-going civil works. The site monitoring activities included roads visits, site borrow pit checking and discussion/consultation with site consultant, contractor's staff and the local communities.

#### **B. Objectives of the Site Visit**

The objectives of the site visit are as follows:



1. Check camp site of TBK2 road.
2. Conduct environmental monitoring of road works.
3. Monitor compliance with the implementation of the Environmental Management Plan (EMP) as provided in the civil works package.
4. Conduct monitoring of the implementation of the EMP checklist, checking appropriateness of compliance, on-site discussion of findings and providing advice and recommendations;
5. Identify the key impacts or any complaints and recommend corrective actions.




#### **C-Schedules Activities**



Date-time	Monitoring Activities	Remarks
29 December 2020 08:00a.m.-6:00 p.m.	- Site monitors of environment management of road construction activities at TBK2 road of CW-B1	Consulting with RE, inspector, Site manager, contractors and local authority and people along the roads



## D. Observation and Assessment Checklist

No	Items Checked and Required Action	Status	Action to be Taken
1	<p><b>Put Public Information Booklet (PIB) at Commune Office.</b></p> <p>(Required Action) Public information Booklet should be in every commune office in the project area</p>	<p>-One GRM leaflet attached at the Camp site and commune office but no Public Information Booklet(PIB)</p> 	<p>- Public Information Booklet (PIB) should be kept in every commune office in the project area.</p>
2	<p><b>Project Information board locations to be shown with contact number and organization</b></p> <p>(Required Action) Project information board should be installed at the starting point and included contact number and organization (MRD).</p>	<p>- Contractor installed project information board at the end point.</p>	<p>-Contractor should move project information board at the end beginning point of the project road.</p>
3	<p><b>Dust control at construction site</b></p> <p>(Required Action) Regular and frequent Repair road sprinklers and control dust at construction site</p>	<p>-Frequency of sprinkling water is not enough to control dust.</p> 	<p>-Contractor should sprinkle water more frequently during dry season and transporting trucks should be equipped with cover sheet.</p>

No	Items Checked and Required Action	Status	Action to be Taken
4	<p><b>Proper garbage bins and solid waste management</b></p> <p>(Required Action) (Required Action) Provide garbage bins with plastic bags and prohibit burning wastes at the site. All solid waste should be regularly collected and removed from the work camps and disposed to areas approved by local authorities.</p>	<p>-No garbage bin in the camp site.</p> 	<p>-Contractor should put large size dust bin with plastic garbage collecting bags. Collected wastes should be transported and dumped at garbage disposal site operated by local authorities.</p>
5	<p><b>Wastewater control at camps and water stagnant</b></p> <p>(Required Action) Wastewater should be treated and remove water stagnant</p>	<p>-No septic tank for waste water control</p> 	<p>- Contractor should construct septic tank for waste water control.</p>
6	<p><b>Hazardous waste/materials storage</b></p> <p>(Required Action) Oils and hazardous materials should be stored in separate location and oil leaks should be cleaned.</p>	<p>-Oil tank and hazardous waste/material storage has been built separately with roof</p> 	<p>-Keep clean.</p>

No	Items Checked and Required Action	Status	Action to be Taken
7	<p><b>Vehicle maintenance at site camp.</b></p> <p>(Required Action) Make separate space for vehicle repair and maintenance designed to contain spilled lubricants and fuel.</p>	<p>-Contractor do not prepared separate space for vehicle repair and maintenance.</p> 	<p>-Contractor should provide separate space for vehicle repair and maintenance.</p>
8	<p><b>Traffic safety measures at construction site.</b></p> <p>(Required Action) Install proper signs and barriers for traffic safety.</p>	<p>-Contractor installed proper signs and barriers at the construction site, but no warning sign at camp site</p> 	<p>-Contractor should install proper signs and barriers at the camp site.</p>
9	<p><b>Toilet facilities</b></p> <p>(Required Action) Install at least 2 toilets for the separate use of men and women.</p>		



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## **Semi-Annual Environmental Monitoring Report**

### **Contract CW-C3**

(7 January 2021)

#### **A. Introduction**

The Contract CW-C3 of RRIP III is already under the construction stage. The Consultants (Mr. Chhoun Sophea, Environmental officers/SEO and Mr. Hang Sophal, National Environmental Specialist) conducted field environmental monitoring of PS4 road which has been o-going civil works. The site monitoring activities included roads visits, site borrow pit checking and discussion/consultation with site consultant, contractor's staff and the local communities.

#### **B. Objectives of the Site Visit**


The objectives of the site visit are as follows:

1. Check camp site of PS4 road.
2. Conduct environmental monitoring of road works.
3. Monitor compliance with the implementation of the Environmental Management Plan (EMP) as provided in the civil works package.
4. Conduct monitoring of the implementation of the EMP checklist, checking appropriateness of compliance, on-site discussion of findings and providing advice and recommendations;
5. Identify the key impacts or any complaints and recommend corrective actions.




#### **C-Schedules Activities**

Date-time	Monitoring Activities	Remarks
7 January 2020 08:00am- 6:00 p.m.	- Site monitors of environment management of road construction activities at PS4 road of CW-C3	Consulting with RE, inspector, Site manager, contractors and local authority and people along the roads

#### D. Observation and Assessment Checklist

No	Items Checked and Required Action	Status	Action to be Taken
1	<p><b>Put Public Information Booklet (PIB) at Commune Office.</b></p> <p>(Required Action) Public information Booklet should be in every commune office in the project area</p>	- No GRM leaflet and Public Information Booklet(PIB) keep at camp site and commune office	- Public Information Booklet (PIB) should be kept in every commune office in the project area.
2	<p><b>Project Information board locations to be shown with contact number and organization</b></p> <p>(Required Action) Project information board should be installed at the starting point and included contact number and organization (MRD).</p>	- Contractor has not yet installed project information board.	-Contractor should install project information board at the end beginning point of the project road.
3	<p><b>Dust control at construction site</b></p> <p>(Required Action) Regular and frequent Repair road sprinklers and control dust at construction site</p>	<p>-Frequency of sprinkling water was enough to control dust due to hot weather.</p> 	-Contractor should sprinkling water more frequently during dry season.



No	Items Checked and Required Action	Status	Action to be Taken
4	<b>Proper garbage bins and solid waste management</b>  (Required Action)	-No garbage bin in the camp site.  	-Contractor should put large size dust bin with black plastic garbage bags. Collected wastes should be transported and dumped at garbage disposal site operated by local authorities.
5	<b>Wastewater control at camps and water stagnant</b>  (Required Action)	-No septic tank for waste water control  	- Contractor should construct septic tank for waste water control.
6	<b>Hazardous waste/materials storage</b>  (Required Action) Oils and hazardous materials should be stored in separate location and oil leaks should be cleaned.	-Oil tank was not installed as fuel for all equipment are provided by the gas station located not far from the base camp.  	-Keep clean.

No	Items Checked and Required Action	Status	Action to be Taken
7	<p><b>Vehicle maintenance at site camp.</b></p> <p>(Required Action) Make separate space for vehicle repair and maintenance designed to contain spilled lubricants and fuel.</p>	<p>-The base camp area is big enough to make separate area for vehicle repair and maintenance. But, the repair area has not yet made.</p> 	<p>-Contractor should make separate space for vehicle repair and maintenance.</p>
8	<p><b>Traffic safety measures at construction site.</b></p> <p>(Required Action) Install proper signs and barriers for traffic safety.</p>	<p>Contractor installed signs and barriers for traffic safety but it is still not enough.</p> 	<p>-Contractor should install more warning signs and barriers and should install warning signs in front of the camp site.</p>
9	<p><b>Toilet facilities</b></p> <p>(Required Action) Install at least 2 toilets for the separate use of men and women.</p>	<p>Only one toilet was built.</p> 	<p>The contractor should install one more toilet next to the existing one for the separate use of men and women.</p>





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## **Semi-Annual Environmental Monitoring Report**

### **Contract CW-D**

(6 January 2021)

#### **A. Introduction**

The Contract CW-D of RRIP III is already under the construction stage. The Consultants (Mr. Chhoun Sophea, Environmental officers/SEO and Mr. Hang Sophal, National Environmental Specialist) conducted field environmental monitoring of SVR2 road which has been ongoing civil works. The site monitoring activities included roads visits, site borrow pit checking and discussion/consultation with site consultant, contractor's staff and the local communities.

#### **B. Objectives of the Site Visit**


The objectives of the site visit are as follows:




1. Check camp site of SVR2 road.
2. Conduct environmental monitoring of road works.
3. Monitor compliance with the implementation of the Environmental Management Plan (EMP) as provided in the civil works package.
4. Conduct monitoring of the implementation of the EMP checklist, checking appropriateness of compliance, on-site discussion of findings and providing advice and recommendations;
5. Identify the key impacts or any complaints and recommend corrective actions.



#### **C-Schedules Activities**

Date-time	Monitoring Activities	Remarks
6 January 2021 08:00a.m.- 4:00 p.m.	- Site monitors of environment management of road construction activities at SVR2 road of CW-E	Consulting with RE, inspector, Site manager, contractors and local authority and people along the roads




#### D. Observation and Assessment Checklist

No	Items Checked and Required Action	Status	Action to be Taken
1	<p><b>Put Public Information Booklet (PIB) at Commune Office.</b></p> <p>(Required Action) Public information Booklet should be in every commune office in the project area</p>	- No GRM leaflet and Public Information Booklet(PIB) keep at camp site and commune office	- Public Information Booklet (PIB) should be kept in every commune office in the project area.
2	<p><b>Project Information board locations to be shown with contact number and organization</b></p> <p>(Required Action) Project information board should be installed at the starting point and included contact number and organization (MRD).</p>	- Contractor has not yet installed project information board.	-Contractor should install project information board at the end beginning point of the project road.
3	<p><b>Dust control at construction site</b></p> <p>(Required Action) Regular and frequent Repair road sprinklers and control dust at construction site</p>	<p>-There is not sufficient dust control in the site.</p> 	-Contractor should sprinkling water frequently during dry season.

No	Items Checked and Required Action	Status	Action to be Taken
4	<p><b>Proper garbage bins and solid waste management</b></p> <p>(Required Action) Provide garbage bins with plastic bags and prohibit burning wastes at the site. All solid waste should be regularly collected and removed from the work camps and disposed to areas approved by local authorities.</p>	<p>-There are many garbage inside the camp and no garbage bin in the camp site.</p> 	<p>-Contractor should put large size dust bin with plastic garbage collecting bags. Collected wastes should be transported and dumped at garbage disposal site operated by local authorities.</p>
5	<p><b>Wastewater control at camps and water stagnant</b></p> <p>(Required Action) Wastewater should be treated and remove water stagnant</p>	<p>-No proper waste water control in the site.</p> 	<p>- Contractor should construct septic tank for waste water control and proper drainage.</p>
6	<p><b>Hazardous waste/materials storage</b></p> <p>(Required Action) Oils and hazardous materials should be stored in separate location and oil leaks should be cleaned.</p>	<p>-Hazardous material/waste was not kept in the separate place.</p> 	<p>-The contractor should provide warehouse to keep hazardous waste/material.</p>

No	Items Checked and Required Action	Status	Action to be Taken
		<p>Oil tank was not covered with roof and spill control platform was not provided.</p> 	<p>The contractor should make roof for the oil tank and provide protect platform at the bottom of oil tank to avoid spillage.</p>
7	<p><b>Vehicle maintenance at site camp.</b></p> <p>(Required Action) Make separate space for vehicle repair and maintenance designed to contain spilled lubricants and fuel.</p>	<p>-The base camp area is big enough to make separate area for vehicle repair and maintenance.</p> 	<p>-Contractor should make separate area for repair and maintenance of vehicles.</p>



No	Items Checked and Required Action	Status	Action to be Taken
8	<p><b>Traffic safety measures at construction site.</b></p> <p>(Required Action) Install proper signs and barriers for traffic safety.</p>	<p>-Contractor installed signs and barriers at the construction site, but they were not enough.</p>  <p>-Warning sign in front of site camp is movable sign.</p> 	<p>-Contractor should install more warning signs and barriers, and install warning signs in front of the camp site.</p> <p>A fixed warning sign should be installed with information warding.</p>
9	<p><b>Toilet facilities</b></p> <p>(Required Action) Install at least 2 toilets for the separate use of men and women.</p>	<p>Only one toilet was built.</p> 	<p>- The contractor should provide at least 2 toilets at each site camp for the use of men and women separately.</p>



Ministry of Rural Development

Rural Roads Improvement Project III,  
ADB Loan 3678-CAM(COL)/Grant-0581-CAM(SF)

## **Semi-Annual Environmental Monitoring Report**

### **Contract CW-E**

(5 January 2021)

#### **A. Introduction**

The Contract CW-E of RRIP III is already under the construction stage. The Consultants (Mr. Chhoun Sophea, Environmental officers/SEO and Mr. Hang Sophal, National Environmental Specialist) conducted field environmental monitoring of PS4 road which has been o-going civil works. The site monitoring activities included roads visits, site borrow pit checking and discussion/consultation with site consultant, contractor's staff and the local communities.

#### **B. Objectives of the Site Visit**



The objectives of the site visit are as follows:

1. Check camp site of KRT1 road.
2. Conduct environmental monitoring of road works.
3. Monitor compliance with the implementation of the Environmental Management Plan (EMP) as provided in the civil works package.
4. Conduct monitoring of the implementation of the EMP checklist, checking appropriateness of compliance, on-site discussion of findings and providing advice and recommendations;
5. Identify the key impacts or any complaints and recommend corrective actions.




#### **C-Schedules Activities**




Date-time	Monitoring Activities	Remarks
6 January 2021 08:00am- 6:00 p.m.	- Site monitors of environment management of road construction activities at KRT1 road of CW-E	Consulting with RE, inspector, Site manager, contractors and local authority and people along the roads


#### D. Observation and Assessment Checklist

No	Items Checked and Required Action	Status	Action to be Taken
1	<p><b>Put Public Information Booklet (PIB) at Commune Office.</b></p> <p>(Required Action) Public information Booklet should be in every commune office in the project area</p>	<p>- One GRM leaflet keep at the Camp site and commune office but no Public Information Booklet(PIB)</p> 	<p>- Public Information Booklet (PIB) should be kept in every commune office in the project area.</p>
2	<p><b>Project Information board locations to be shown with contact number and organization</b></p> <p>(Required Action) Project information board should be installed at the starting point and included contact number and organization (MRD).</p>	<p>- Contractor has not yet installed project information board.</p>	<p>-Contractor should install project information board at the end beginning point of the project road.</p>
3	<p><b>Dust control at construction site</b></p> <p>(Required Action) Regular and frequent Repair road sprinklers and control dust at construction site</p>	<p>-Frequency of sprinkling water was not enough to control dust.</p> 	<p>-Contractor should sprinkling water frequently during dry season.</p>



No	Items Checked and Required Action	Status	Action to be Taken
4	<p><b>Proper garbage bins and solid waste management</b></p> <p>(Required Action) Provide garbage bins with plastic bags and prohibit burning wastes at the site. All solid waste should be regularly collected and removed from the work camps and disposed to areas approved by local authorities.</p>	<p>-No garbage bin in the camp site.</p> 	<p>-Contractor should put large size dust bin with plastic garbage collecting bags. Collected wastes should be transported and dumped at garbage disposal site operated by local authorities.</p>
5	<p><b>Wastewater control at camps and water stagnant</b></p> <p>(Required Action) Wastewater should be treated and remove water stagnant</p>	<p>-No waste water control in the site.</p> 	<p>- Contractor should construct septic tank for waste water control and proper drainage.</p>
6	<p><b>Hazardous waste/materials storage</b></p> <p>(Required Action) Oils and hazardous materials should be stored in separate location and oil leaks should be cleaned.</p>	<p>-Oil drums and hazardous material tank was kept in the separate place.</p>  <p>Oil tank was not covered with roof and spill control platform was not provided.</p>	<p>-Keep clean near the warehouse.</p>

No	Items Checked and Required Action	Status	Action to be Taken
			
7	<p><b>Vehicle maintenance at site camp.</b></p> <p>(Required Action) Make separate space for vehicle repair and maintenance designed to contain spilled lubricants and fuel.</p>	<p>-The base camp area is big enough to make separate area for vehicle repair and maintenance.</p> 	<p>-Contractor should keep repair area in order and clean.</p>
8	<p><b>Traffic safety measures at construction site.</b></p> <p>(Required Action) Install proper signs and barriers for traffic safety.</p>	<p>-Contractor installed signs and barriers at the construction site, but they were not proper.</p> 	<p>-Contractor should install proper signs and barriers at the camp site.</p>

No	Items Checked and Required Action	Status	Action to be Taken
		<p>-Warning sign in front of site camp is movable sign.</p> 	<p>A fixed warning sign should be installed with information warding.</p>
9	<p><b>Toilet facilities</b></p> <p>(Required Action) Install at least 2 toilets for the separate use of men and women.</p>	<p>Only one toilet was built.</p> 	<p>- The contractor should provide at least 2 toilets at each site camp for the use of men and women separately.</p>

### **Appendix 3.      Established GRM of CW-C1**



**Kingdom of Cambodia  
Nation Religion King**

Ministry of Rural Development  
Rural Roads Improvement Project III (RRIP III)

**ENGLISH  
TRANSLATION**

**Rural Roads Improvement Project-III**  
ADB Loan 3678-CAM (COL)/Grant 0581-CAM (SF)

**Establishment of Grievance Redress Mechanism (GRM)**

Province : Prey Veng

Contract : CW-C1

Project Road: PV1, PV3

- Based on the Section VII, Grievance Redress Mechanism (GRM) of the Initial Environmental Examination (IEE) of the Rural Roads Improvement Project III,

**Article 1:** Recognized the composition of the members of Grievance Redress Mechanism (GRM) as follows:

1. Representative from Project Management Unit (PMU) plays role as the Chairman;
2. Representative from Provincial Department of Rural Development plays role as a member;
3. Representative from local non-government organization plays role as a member;
4. Representative from Women's organization plays role as a member; and
5. Representative from Commune Councils along the project road play role as members.

**Article 2:** Roles and Responsibilities

1. Solve the complaints of the villagers to the Commune Office or directly to the Contractor either orally or in writing.
2. Hold a meeting to discuss the complaints if necessary

**Article 3:** The Complaint will be solved at commune level within 15 days, district level within 15 days, provincial level within 30 days, and in case of a complainant not satisfied, move to the Provincial Court.

**Article 4:** One Grievance Redress Mechanism should be established for each contract package of RRIP-III.

Date: 23 November 2020

Signed by:

**Signature**

**Song Sophal**  
Project Manager  
Deputy Director General for  
Technical Affaires

Attachment: Organization of the Grievance Redress Mechanism

**Organization of the Grievance Redress Mechanism (Contract CW-C1)**

No	Name	Position	Organization Position	Contact Details
1	Mr. Song Sophal	Project Director	PMU/MRD	012 865 616
2	Mr. Ing Ty	Technical officer	PDRD	012 588 265
3	Mr. Chhon Sophea	Environment officer	SEO/MRD	011 766 263
4	Mr. Siev Veasna	Environment officer	SEO/MRD	095 222 825
5	Mr. Pen Thol	Commune Chief	Kdoeang Reay	012 532 193
6	Mrs. Em Ye	1st Commune Deputy	Kdoeang Reay	092 916 520
7	Mrs. Pheng Eun	Commune council	Kdoeang Reay	089 954 409
8	Mr. Chhan Sopha	Commune Chief	Seang Khveang	071 879 2929
9	Mrs. Art Sareun	Commune council	Seang Khveang	088 435 8440
10	Mr. Khan Choun	Commune council	Seang Khveang	031 222 1722
11	Mr. Choun Chok	Commune Chief	Trabaek	097 865 2555
12	Mrs. Chhea Yeun	Commune council	Trabaek	088 838 9631
13	Mr. Sao Yim	Commune council	Trabaek	071 899 6336
14	Mr. Meas Mom	Commune Chief	Doun Koeng	092 351 137
15	Mrs. Doem Tol	Commune council	Doun Koeng	092 581 015
16	Mr. Khon Keomarin	Commune council	Doun Koeng	088 982 2622
17	Mr. Chin Vanna	Commune Chief	Cheung Tuek	097 708 0678
18	Mr. Phorn Sophat	1st Commune Deputy	Cheung Tuek	097 884 6566
19	Mr. Sreng Marb	Commune council	Cheung Tuek	

No	Name	Position	Organization Position	Contact Details
20	Mr. Ou Reut	Commune Chief	Prey Kanlaong	097 470 0070
21	Mr.Thou Samrith	2nd Commune Deputy	Prey Kanlaong	031 929 2299
22	Mr. Hout Rean	Commune council	Prey Kanlaong	012 443 297
23	Mr. Kri Kimhout	Commune Chief	Pou Rieng	071 528 8999
24	Mr.Touy Samei	2nd Commune Deputy	Pou Rieng	088 599 4352
25	Mr. Hot Sopha	Commune council	Pou Rieng	088 804 8877



**Appendix 4.      Established GRM of CW-C2**



**Kingdom of Cambodia  
Nation Religion King**

Ministry of Rural Development  
Rural Roads Improvement Project III (RRIP III)

**ENGLISH  
TRANSLATION**

**Rural Roads Improvement Project-III**  
ADB Loan 3678-CAM (COL)/Grant 0581-CAM (SF)

**Establishment of Grievance Redress Mechanism (GRM)**

Province : Prey Veng

Contract : CW-C2

Project Road: PV2, PV5

- Based on the Section VII, Grievance Redress Mechanism (GRM) of the Initial Environmental Examination (IEE) of the Rural Roads Improvement Project III,

**Article 1:** Recognized the composition of the members of Grievance Redress Mechanism (GRM) as follows:

1. Representative from Project Management Unit (PMU) plays role as the Chairman;
2. Representative from Provincial Department of Rural Development plays role as a member;
3. Representative from local non-government organization plays role as a member;
4. Representative from Women's organization plays role as a member; and
5. Representative from Commune Councils along the project road play role as members.

**Article 2:** Roles and Responsibilities

1. Solve the complaints of the villagers to the Commune Office or directly to the Contractor either orally or in writing.
2. Hold a meeting to discuss the complaints if necessary

**Article 3:** The Complaint will be solved at commune level within 15 days, district level within 15 days,  
provincial level within 30 days, and in case of a complainant not satisfied, move to the Provincial Court.

**Article 4:** One Grievance Redress Mechanism should be established for each contract package of RRIP-III.

Date: 23 November 2020

Signed by:

**Signature**

**Song Sophal**  
Project Manager  
Deputy Director General for  
Technical Affaires

Attachment: Organization of the Grievance Redress Mechanism

**Organization of the Grievance Redress Mechanism (Contract CW-C2)**

No	Name	Position	Organization Position	Contact Details
1	Mr. Song Sophal	Project Manager	PMU/MRD	012 865 616
2	Mr. Ing Ty	Technical officer	PDRD	012 588 265
3	Mr. Chhon Sophea	Environment officer	SEO/MRD	011 766 263
4	Mr. Siev Veasna	Environment officer	SEO/MRD	095 222 825
5	Mr. Khen Chab	Commune Chief	Thma Pun	012 185 6424
6	Mrs. Theang Samart	Commune council	Thma Pun	088 705 0493
7	Mr. Dy Deun	2nd Commune Deputy	Thma Pun	097 485 3104
8	Mr. Ung Ya	Commune Chief	Kouk Kong Kaeut	012 693 425
9	Mrs. Chan An	Commune council	Kouk Kong Kaeut	097 706 4723
10	Mr. Eun Ear	2nd Commune Deputy	Kouk Kong Kaeut	090 678 972
11	Mr. Ung Chheang	Commune Chief	Kouk Kong Lech	095 788 222
12	Mrs. Ouk Ya	Commune council	Kouk Kong Lech	088 466 5767
13	Mr. Houn Hab	Commune council	Kouk Kong Lech	097 465 9459
14	Mr. Bin Bean	Commune Chief	Kanhchriech	097 947 4684
15	Mr. Srey Chinmom	Commune council	Kanhchriech	097 722 8343
16	Mr. Hin Sarm	Commune Chief	Doun Tei	012 786 834
17	Mrs. Keng Seanglim	Commune council	Doun Tei	097 881 8878
18	Mr. Nout Phearun	Commune council	Doun Tei	.....

**Appendix 5.      Established GRM of CW-C3**



**Kingdom of Cambodia  
Nation Religion King**

Ministry of Rural Development  
Rural Roads Improvement Project III (RRIP III)

**ENGLISH  
TRANSLATION**

**Rural Roads Improvement Project-III**  
ADB Loan 3678-CAM (COL)/Grant 0581-CAM (SF)

**Establishment of Grievance Redress Mechanism (GRM)**

Province : Prey Veng

Contract : CW-C3

Project Road: PV4

- Based on the Section VII, Grievance Redress Mechanism (GRM) of the Initial Environmental Examination (IEE) of the Rural Roads Improvement Project III,

**Article 1:** Recognized the composition of the members of Grievance Redress Mechanism (GRM) as follows:

1. Representative from Project Management Unit (PMU) plays role as the Chairman;
2. Representative from Provincial Department of Rural Development plays role as a member;
3. Representative from local non-government organization plays role as a member;
4. Representative from Women's organization plays role as a member; and
5. Representative from Commune Councils along the project road play role as members.

**Article 2:** Roles and Responsibilities

1. Solve the complaints of the villagers to the Commune Office or directly to the Contractor either orally or in writing.
2. Hold a meeting to discuss the complaints if necessary

**Article 3:** The Complaint will be solved at commune level within 15 days, district level within 15 days,  
provincial level within 30 days, and in case of a complainant not satisfied, move to the Provincial Court.

**Article 4:** One Grievance Redress Mechanism should be established for each contract package of RRIP-III.

Date: 23 November 2020

Signed by:

**Signature**

**Song Sophal**  
Project Manager  
Deputy Director General for  
Technical Affaires

Attachment: Organization of the Grievance Redress Mechanism

**Organization of the Grievance Redress Mechanism (Contract CW-C3)**

No	Name	Position	Organization Position	Contact Details
1	Mr. Song Sophal	Project Manager	PMU/MRD	012 865 616
2	Mr. Ing Ty	Technical Officer	PDRD	012 588 265
3	Mr. Chhon Sophea	Environment officer	SEO/MRD	011 766 263
4	Mr. Siev Veasna	Environment officer	SEO/MRD	095 222 825
5	Mr. Khoun Sao	Commune Chief	Sena Reach Otdam	088 886 6114
6	Mrs. Uon Savon	Commune council	Sena Reach Otdam	061 333 892
7	Mrs. Houn Kongkea	Commune council	Sena Reach Otdam	061 333 620
8	Mr. Chheun Heang	Commune Chief	Angkor Reach	061 222 724
9	Mrs. Chim Sideun	Commune council	Angkor Reach	061 222 817
10	Mr. Chea Sokha	Commune council	Angkor Reach	061 222 807
11	Mr. Chea Sakhon	Commune Chief	Kampong Trabaek	071 367 0471
12	Mr. Meas Pisey	1 <sup>st</sup> Commune Deputy	Kampong Trabaek	078 526 716
13	Mr. Va Dout	Commune council	Kampong Trabaek	096 877 5157



**Appendix 6.      Established GRM of CW-D**



**Kingdom of Cambodia  
Nation Religion King**

Ministry of Rural Development  
Rural Roads Improvement Project III (RRIP III)

**ENGLISH  
TRANSLATION**

**Rural Roads Improvement Project-III**  
ADB Loan 3678-CAM (COL)/Grant 0581-CAM (SF)

**Establishment of Grievance Redress Mechanism (GRM)**

Province : Svay Rieng

Contract : CW-D

Project Road: SVR2, SVR3, SVR4, SVR5

- Based on the Section VII, Grievance Redress Mechanism (GRM) of the Initial Environmental Examination (IEE) of the Rural Roads Improvement Project III,

**Article 1:** Recognized the composition of the members of Grievance Redress Mechanism (GRM) as follows:

1. Representative from Project Management Unit (PMU) plays role as the Chairman;
2. Representative from Provincial Department of Rural Development plays role as a member;
3. Representative from local non-government organization plays role as a member;
4. Representative from Women's organization plays role as a member; and
5. Representative from Commune Councils along the project road play role as members.

**Article 2:** Roles and Responsibilities

1. Solve the complaints of the villagers to the Commune Office or directly to the Contractor either orally or in writing.
2. Hold a meeting to discuss the complaints if necessary

**Article 3:** The Complaint will be solved at commune level within 15 days, district level within 15 days,  
provincial level within 30 days, and in case of a complainant not satisfied, move to the Provincial Court.

**Article 4:** One Grievance Redress Mechanism should be established for each contract package of RRIP-III.

Date: 31 August 2020

Signed by:

**Signature**

**Song Sophal**  
Project Manager  
Deputy Director General for  
Technical Affaires

Attachment: Organization of the Grievance Redress Mechanism

**Organization of the Grievance Redress Mechanism (Contract CW-D)**

No	Name	Position	Organization Position	Contact Details
1	Mr. Song Sophal	Project Manager	PMU/MRD	012 865 616
2	Mr. Chan Sydara	Technical officer	PDRD	011 950 992
3	Mr. Chhon Sophea	Environment officer	SEO/MRD	011 766 263
4	Mr. Siev Veasna	Environment officer	SEO/MRD	095 222 825
5	Mr. Phok Vanthorn	Commune Chief	Kraol Kou	085 556 155
6	Mr. Keo Sothea	Commune council	Kraol Kou	011 698 400
7	Mr. Chhon Dorn	Commune council	Kraol Kou	012 248 650
8	Mr. Merk Visoth	Commune Chief	Svay angk	097 591 7003
9	Mrs. Chhon Teut na	Commune council	Svay angk	088 795 9747
10	Mr. Keut Boun	Commune council	Svay angk	
11	Mr. Tep Savy	Commune Chief	Samyaong	097 643 3507
12	Mrs. Lim Veasna	Commune council	Samyaong	071 407 5666
13	Mr. Nout Sotheun	Commune council	Samyaong	097 785 4614
14	Mr. Keo Roen	Commune Chief	Prey Thom	031 335 9009
15	Mr. Noub Sie	1st Commune Deputy	Prey Thom	070 749 2077
16	Mr. Sboung Song	2nd Commune Deputy	Prey Thom	088 401 5134
17	Mr. Koem Rithy	Commune Chief	Preah Ponlea	071 491 9900
18	Mr. Orn Saran	1st Commune Deputy	Preah Ponlea	097 854 8345
19	Mr. Ngoun Sovan	Commune council	Preah Ponlea	088 606 6024

No	Name	Position	Organization Position	Contact Details
20	Mr. Soung Vanthon	Commune Chief	Kompong Chak	097 535 2766
21	Mrs. Neang Sareung	Commune council	Kompong Chak	097 482 3718
22	Mr. Doung Vuthan	Commune council	Kompong Chak	071533 3443
23	Mr. Meng Chhon	Commune Chief	Svay Chek	060 656 677
24	Mr. Soeng Sitha	Commune council	Svay Chek	097 296 9257
25	Mrs. Nhan Saroun	Commune council	Svay Chek	016 790 766
26	Mr. May Reun	Commune Chief	Meun Chey	097 723 8209
27	Mrs. Kong Sab	Commune council	Meun Chey	097 528 2840
28	Mr. Sous Thol	Commune council	Meun Chey	097 355 5356
29	Mr. Mao Sameun	Commune Chief	Thmea	097 516 4352
30	Mrs. Pich Sreymon	Commune council	Thmea	088 688 7040
31	Mr. Seum Chhorng	Commune council	Thmea	097 619 6510
32	Mr. Pal Youn	Commune Chief	Kompong Ampil	097 870 3531
33	Mrs. Neang Phon	Commune council	Kompong Ampil	097 812 2282
34	Mr. Men Thon	Commune council	Kompong Ampil	088 496 9201
35	Mr. Sin Symorn	Commune Chief	Pong Teuk	070 713 4333
36	Mr. Chin Sarum	Commune council	Pong Teuk	071 970 5233
37	Mr. Neang Sin	Commune council	Pong Teuk	088 715 8487

## **Appendix 7.      Established GRM of CW-E**



**Kingdom of Cambodia  
Nation Religion King**

Ministry of Rural Development  
Rural Roads Improvement Project III (RRIP III)

**ENGLISH  
TRANSLATION**

**Rural Roads Improvement Project-III**  
ADB Loan 3678-CAM (COL)/Grant 0581-CAM (SF)

**Establishment of Grievance Redress Mechanism (GRM)**

Province : Kratie

Contract : CW-E

Project Road: KRT1

- Based on the Section VII, Grievance Redress Mechanism (GRM) of the Initial Environmental Examination (IEE) of the Rural Roads Improvement Project III,

**Article 1:** Recognized the composition of the members of Grievance Redress Mechanism (GRM) as follows:

1. Representative from Project Management Unit (PMU) plays role as the Chairman;
2. Representative from Provincial Department of Rural Development plays role as a member;
3. Representative from local non-government organization plays role as a member;
4. Representative from Women's organization plays role as a member; and
5. Representative from Commune Councils along the project road play role as members.

**Article 2:** Roles and Responsibilities

1. Solve the complaints of the villagers to the Commune Office or directly to the Contractor either orally or in writing.
2. Hold a meeting to discuss the complaints if necessary

**Article 3:** The Complaint will be solved at commune level within 15 days, district level within 15 days, provincial level within 30 days, and in case of a complainant not satisfied, move to the Provincial Court.

**Article 4:** One Grievance Redress Mechanism should be established for each contract package of RRIP-III.

Date: 11 August 2020

Signed by:

**Signature**

**Song Sophal**  
Project Manager  
Deputy Director General for  
Technical Affaires

Attachment: Organization of the Grievance Redress Mechanism






**Organization of the Grievance Redress Mechanism (Contract CW-E)**




No	Name	Position	Organization Position	Contact Details
1	Mr. Song Sophal	Project Manager	PMU/MRD	012 865 616
2	Mr. Lim Cheavhav	Director	PDRD Kratie	012 620 000
3	Mr. Chhon Sophea	Environment officer	SEO/MRD	011 766 263
4	Mr. Siev Veasna	Environment officer	SEO/MRD	095 222 825
5	Mr. Khoun Kheun	Commune Chief	Kampong Damrei	097 466 6864
6	Mr. Phai Sarith	Commune council	Kampong Damrei	088 439 8891
7	Miss. Reun Sreypom	Commune council	Kampong Damrei	097 376 5727
8	Mrs. Doung Kimheang	Commune Chief	Damrei Phong	060 229011
9	Mrs. Sim Sreypom	Commune council	Damrei Phong	071 478 5572
10	Mr. Sim Sokchea	Commune council	Damrei Phong	097 512 0832
11	Mr. Seng Kimchang	Commune Chief	Chhlong	012 794 525
12	Mrs. Phan Sopheap	Commune council	Chhlong	097 377 1129
13	Mr. Tem Kimhean	Commune council	Chhlong	012 453 288

**Appendix 8.      Status of Affected Houses before and after  
Construction**




### Photos of Before and After for House No.1 (Mr. Sles Man)

No.	Photo	Remarks
1		<p>(Owner: Mr. Sles Man) Front view of house before construction</p>
2		<p>(Owner: Mr. Sles Man) Front view of raised house to the new road level. No impact on the roof structure.</p>
3		<p>(Owner: Mr. Sles Man) Side view after raising of house. (Zinc roof is outside of road)</p>




Photos of Before and After (help to raise the ground) for House No.2  
(Ms. Meng Laisreang)

No.	Photo	Remarks
1		<p>(Owner: Ms. Meng Laisreang) Front view of shop (house) before construction</p>
2		<p>(Owner: Ms. Meng Laisreang) Front view after construction. Owner demolished the shop to rebuild. The house in the back is the main house where the owner lives.</p>
3		<p>(Owner: Ms. Meng Laisreang)  Interview at her house. The man in the back (right) is her son.</p>






No.	Photo	Remarks
4		<p>(Owner: Ms. Meng Laisreang)          Raised road at the old hose location</p>
5		<p>(Owner: Ms. Meng Laisreang)          The contractor raised the ground of old house for rebuilding house without any cost.(Side view)          The house in the back is the owner's another house.</p>
6		<p>(Owner: Ms. Meng Laisreang)          The contractor raised the ground of old house for rebuilding house without any cost. (Front view)          The house in the back is the owner's another house.</p>

### Photos of Before and After Construction for House No.3 (Mr. Dim Darith)




No.	Photo	Remarks
1		<p>(Owner: Mr. Dim Darith) Front view of house before construction</p>
2		<p>(Owner: Mr. Dim Darith) Front view of raised house to the new road level. No impact on the roof structure.</p>
3		<p>(Owner: Mr. Dim Drith) Side view after raising of house. (Zinc roof is outside of road)</p>



Photos of Before and After Construction for House No.4 (Ms. Nhor Sithan)

No.	Photo	Remarks
1		<p>(Owner: Ms. Nhor Sithan) Front view of house before construction</p>
2		<p>(Owner: Ms. Nhor Sithan) Front view of house after construction. (No change in the zinc roof)</p>
3		<p>(Owner: Ms. Nhor Sithan) Side view after Construction. (No change in the zinc roof)</p>

Photos of Before and After Construction for House No.5 (Ms. Nhor Sreymak)

No.	Photo	Remarks
1	 <p>A photograph showing the front view of a small, simple wooden structure with a gabled roof, situated on a dirt path. The structure appears to be under construction or is a basic frame. There are trees and a clear sky in the background.</p>	<p>(Owner: Ms. Nhor Sreymak) Front view of house before construction</p>
2	 <p>A photograph showing the front view of the same structure after construction. It now has a more complete appearance with a red-painted roof and walls. The structure is still on the dirt path, surrounded by trees.</p>	<p>(Owner: Ms. Nhor Sreymak) Front view of house after construction. (No change in the zinc roof)</p>
3	 <p>A photograph showing the side view of the structure after construction. It is located next to a paved road. The structure has a red roof and is surrounded by trees and a clear sky.</p>	<p>(Owner: Ms. Nhor Sreymak) Side view after construction. (No change in the zinc roof)</p>