

# Environmental and Social Monitoring Report

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Semi-Annual Report (January-June 2021)  
August 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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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: January to June 2021)**

**July 2021**

(Revised on 1 Aug 2021)



KOREA CONSULTANTS INTERNATIONAL CO. LTD.

**PROJECT MANAGEMENT UNIT (PMU)****Report Control Form**

Project Name: Rural Roads Improvement Project III, ADB Loan  
3678-CAM / Grant 0581-CAM

Report Name: Revised Semi-annual Integrated Environmental and Social Safeguards  
Monitoring Report (January to June 2020)

**PREPARATION, REVIEW AND AUTHORISATION**

Prepared by: Mr. KIM Il Hwan Signature: .....

Position: Team Leader – DDIS Consultants Date:

Checked by: Mr. Meng Saopheakkun Signature: .....

Position: Assistant to Project Manager, MRD Date:

Reviewed by: H.E. SONG Sophal Signature: .....

Position: Project Manager, MRD Date:

Approved by: H.E. Dr. CHAN Darong Signature: .....

Position: Secretary of State, Project Director  
MRD Date:

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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 June 2021 is 30.10% which is 6.50% ahead of planned progress. The overall progress of project is shown below.

Output	Component	Contract Amount (US\$)	Planned Progress (%)	Actual Progress (%)				Remarks
				Previous	Jan-Jun 2021	Cumulative	Slippage	
1	CW-A	13,997,668.51	23.68	14.09	33.51	47.60	+23.92	Ung Sim Sia
	CW-B1	4,741,434.65	21.38	6.03	20.41	26.44	+5.06	M.T.A.
	CW-B2	2,481,668.20	100.00	98.34	1.66	100.00	+0.00	Ung Sim Sia
	CW-C1	4,645,950.97	8.45	0.03	21.99	22.02	+13.57	Banteay Srei
	CW-C2	4,745,644.95	9.73	0.02	21.83	21.85	+12.12	Banteay Srei
	CW-C3	1,966,836.39	11.33	2.57	11.63	14.2	+2.87	Bore Khmer
	CW-D	8,955,210.35	13.18	1.92	13.08	15.00	+1.82	Tan Kim Eng
	CW-E	8,914,545.60	12.46	4.87	28.99	33.86	+21.40	Beng Meng
	Consulting Services	3,392,300	55.39	43.61	9.24	52.85	-2.54	KCI
2	Road Asset Management	NA	5.00	5.00	0.00	5.00	+0.00	Overload Control
3	Road Safety Program	NA	20.00	5.22	6.98	12.20	-7.80	SEO Training
Overall Progress (%)			<b>23.60</b>	<b>13.57</b>	<b>16.53</b>	<b>30.10</b>	<b>+6.50</b>	

5. For the semi-annual environment monitoring, the international environment specialist could not be mobilized due to travel restriction because of COVID-19 pandemic. But international specialists supported the semi-annual integrated environment and social monitoring of the project through advisory and review of report etc. **The field monitoring of semi-annual environmental monitoring** has been done by SEO officer, PDRD officers, national environmental specialist and the resident engineers in the site for supervision. Among 8 civil works contracts, one contract of CW-B2 has been completed. Therefore, semi-annual environment monitoring has been conducted for 7 ongoing civil works contracts. According to the suggestion by the ADB environment specialist, the monitoring team used the sample form of site environmental compliance inspection and monitoring for ongoing construction provided

by the ADB.

6. 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 wet season, dust problem in the construction site has been reduced.

7. GRC in commune level of 8 civil work contracts have been established by the SEO. SEO officers visited total of 57 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 SEO prepared the GRM log book and distributed to the commune offices during this quarter. The log book was designed for cover and contents, which can be easily prepared for any complaints in related with environment and social issues due to the implementation of civil works for the project. During this reporting period, there has been no complaint received from local people or communes. Local people were satisfied with the start of civil work in the project communes

8. During the first half of 2021 (January to June, monitoring of social safeguards contained the following activities: (i) follow-up of community participation framework implementation (ii) check the existence of indigenous people, , (iii) HIV/Human trafficking awareness and prevention program, and (iv) due diligence survey for additional road SVR8 , (v) COVID-19 Health health and safety plan.

9. SEO officers and national social development/safeguard specialist conducted social monitoring from 15 June to 27 June 2021. The team visited the Svay Rieng provinces from 15 to 17 June 2021 to conduct due diligence survey for additional road of SVR8 (13.4 km) to prepare the due diligence report. And the team found there was no social issue raised during the first and second quarter 2021 and it was also confirmed there is no indigenous people living within the project area.

10. Due diligence survey for additional road of SVR8 in Svay Rieng province was conducted from 15 -17 June 2021. The length of road is 13,4 km and the road traverses flat agricultural land in three communes, Samyaoung commune, Banteay Kang commune and Basak commune. No structure and houses within the proposed road width of 8.0m. Three consultation meeting were held in the commune offices with commune officers, village development committee and local people, and the project information on scope and schedule together with Community participation framework were disseminated to the participants from commune office, VDC and local people, and the team answered the question from the participants on the road design, resettlement impact, project schedule etc.

11. The activities of 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. Total of 3,802 person (2,215 women) have been educated during first half of 2021.

12. Since the February 20 event in Phnom Penh, the COVID-19 in Cambodia has changed from imported case to local spread pattern. And the COVID-19 cases steadily increased up to the end of June 2021, and the cases have been found in every province and whole country has been into the serious threat of COVID-19. The civil work contractors implemented the Health and Safety Plan on COVID-19 in the site. During the report period all contractors took preventive action for hygienic environment and training of workers to avoid the spread of COVID-19. The Ministry of Health in Cambodia announced that there were 50,385 cases of COVID-19 with 44,143 recoveries and 602 deaths as of the end of June 2021. No patient of COVID-19 occurred in the project sites during this reporting period.

## 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 January to June 2021.

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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.

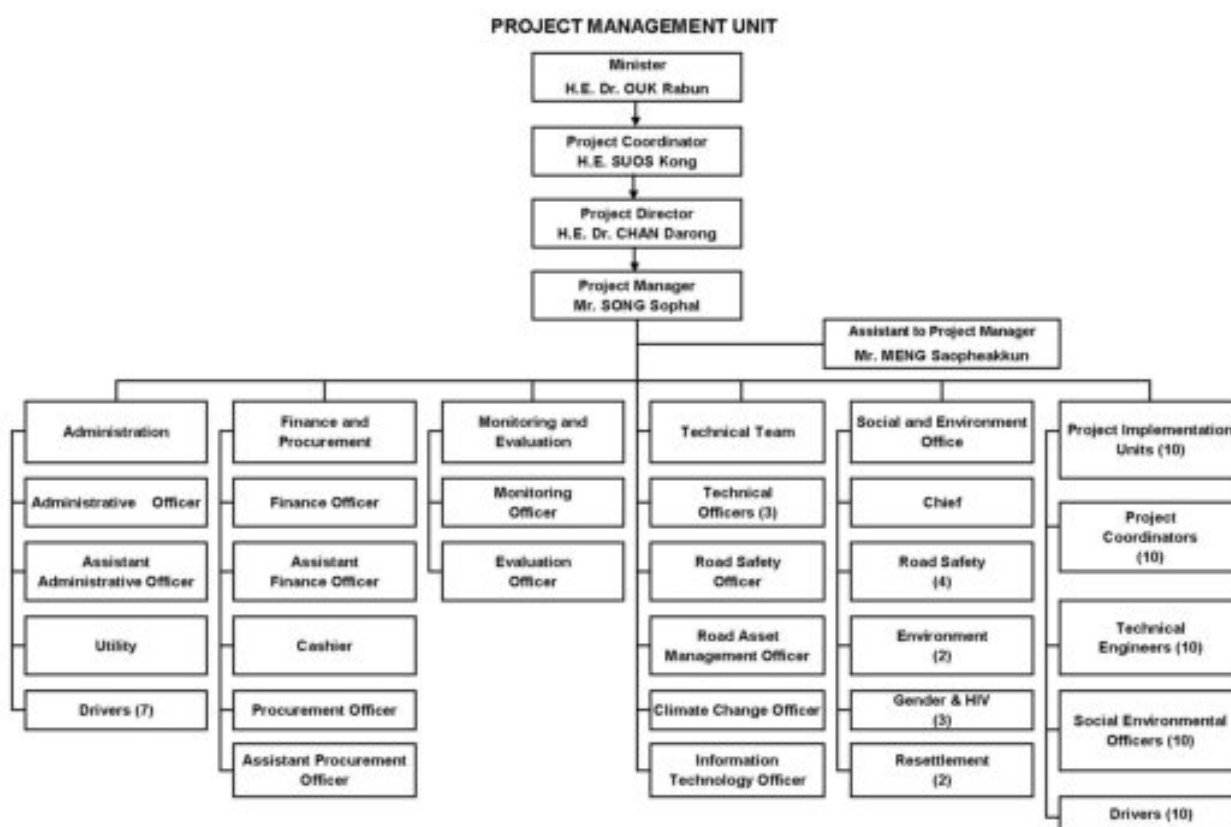


Figure 2-1: Organization Chart of PMU

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	Soupeas, 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 Kaeut, 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>			



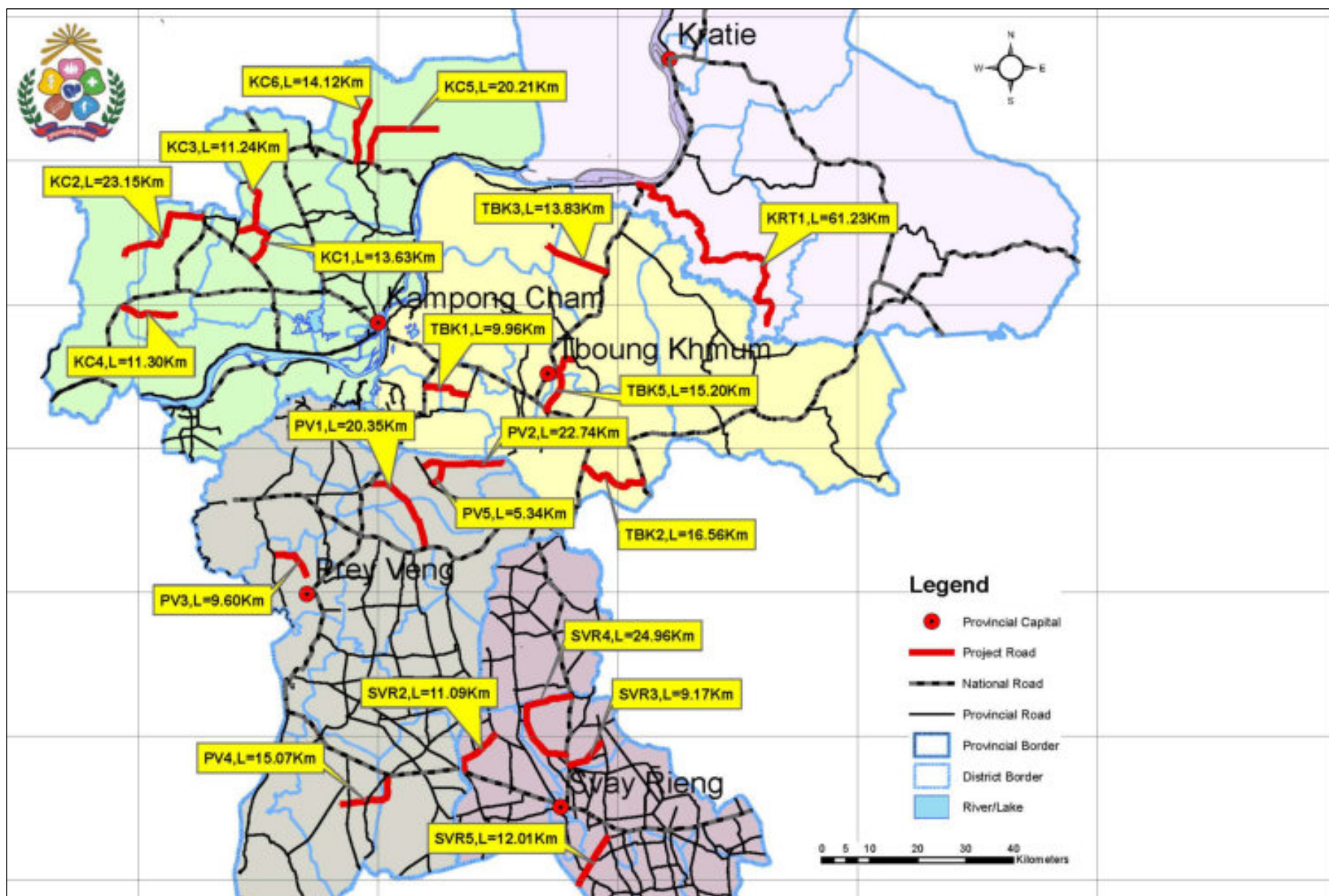


Figure 3-1: Location Map of Project Roads

### 3.2 Overall Progress of the Project

9. The overall progress of project implementation as of the end of June 2021 is 30.10% which is 6.50% ahead of planned progress. Progress of the overall project implementation as of 30 June 2021 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	Jan-Jun 2021	Cumulative	Slippage	
1	Civil Works	CW-A	13,997,668.51	23.68	14.09	33.51	47.60	+23.92	Ung Sim Sia
		CW-B1	4,741,434.65	21.38	6.03	20.41	26.44	+5.06	M.T.A.
		CW-B2	2,481,668.20	100.00	98.34	1.66	100.00	+0.00	Ung Sim Sia
		CW-C1	4,645,950.97	8.45	0.03	21.99	22.02	+13.57	Banteay Srei
		CW-C2	4,745,644.95	9.73	0.02	21.83	21.85	+12.12	Banteay Srei
		CW-C3	1,966,836.39	11.33	2.57	11.63	14.2	+2.87	Bore Khmer
		CW-D	8,955,210.35	13.18	1.92	13.08	15.00	+1.82	Tan Kim Eng
		CW-E	8,914,545.60	12.46	4.87	28.99	33.86	+21.40	Beng Meng
	Consulting Services	3,392,300	55.39	43.61	9.24	52.85	-2.54	KCI	
2	Road Asset Management	NA	5.00	5.00	0.00	5.00	+0.00	Overload Control	
3	Road Safety Program	NA	20.00	5.22	6.98	12.20	-7.80	SEO Training	
Overall Progress (%)				23.60	13.57	16.53	30.10	+6.50	

### 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 Jan-Jun 2021
Kampong Cham	CW-A	KC1	May 2020	80%	Earthworks, DBST, Drainage
		KC2	May 2020	20%	Earthwork, Drainage
		KC3	May 2020	90%	Earthworks, DBST, Drainage
		KC4	May 2020	35%	Earthwork, Drainage
		KC5	May 2020	80%	Earthworks, Pavement, Drainage
		KC6	May 2020	80%	Earthworks, Pavement, Drainage
Tboung Khmum	CW-B1	TBK2	Jul 2020	15%	Earthwork, Subbase, Drainage
		TBK5	Jul 2020	15%	Earthwork, Drainage
	CW B2	TBK1	May 19	100%	Completed
		TBK3	May 19	100%	Completed
Prey Veng	CW-C1	PV1	Dec 2020	3%	UXO, Clearing & Grubbing
		PV3	Dec 2020	50%	UXO, Earthwork, Drainage
	CW-C2	PV2	Dec 2020	30%	UXO, Earthwork, Drainage
		PV4	Dec 2020	40%	UXO, Earthwork, Drainage
	CW-C3	PV5	Oct 2020	15%	Earthwork, Drainage
Svay Rieng	CW-D	SVR2	Aug 2020	30%	Earthwork, Drainage
		SVR3	Aug 2020	25%	Earthwork, Drainage
		SVR4	Aug 2020	10%	Earthwork, Drainage
		SVR5	Aug 2020	15%	Earthwork, Subbase, Drainage
Kratie	CW-E	KRT1	Aug 2020	40%	Earthwork, 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 Monitoring of Ongoing Civil Works

18. For the semi-annual environment monitoring, the international environment specialist could not be mobilized due to travel restriction because of COVID-19 pandemic. Thus, semi-annual environmental monitoring has been done by SEO officer, PDRD officers, national environmental specialist and the resident engineers in the site for supervision. The monitoring team were:

- Mr. Chhun Sophea, Chief Environmental Officer, SEO/MRD
- Mr. Hang Sophal National Environmental Specialist
- PDRD officers at 5 project provinces
- Resident Engineers and Inspectors

19. Among 8 civil works contracts, one contract of CW-B2 has been completed. Therefore, semi-annual environment monitoring has been conducted for 7 ongoing civil works contracts. The team conducted semi-annual environment monitoring inspection from 14 June until 25 June 2021. The monitoring team visited sites and checked the contractor understand EMP and they keep and follow the EMP implementation. And the team checked mitigation activities in the EMP and evaluating of effectiveness as the rating in the form. 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	6 roads	21-22 June 2021	
CW-B1	2 roads	14-15 June 2021	
CW-C1	2 roads	24 June 2021	PV1 site not yet in operation.
CW-C2	2 roads	24 June 2021	
CW-C3	1 road	24 June 2021	
CW-D	4 roads	22-23 June 2021	
CW-E	1 road	15-16 June 2021	

### 4.2.2 Environment Monitoring Form

20. According to the suggestion by the ADB environment specialist, the monitoring team used the sample form of site environmental compliance inspection and monitoring for ongoing construction provided by the ADB from this semi-annual environment monitoring.

### 4.2.3 Environment Monitoring Report by Contract Package

The semi-annual site environment monitoring has been conducted according to the form, and the report including the results of monitoring including mitigation compliance inspection and summary action required and follow-up. The reports by contract package are attached in **Appendix 1** through **Appendix 7**.

### 4.2.4 Environment Mitigation Compliance

21. The contractors generally complied with safeguards statement during construction according to the CEMP, but there still need some more improvement to manage fuel tank and hazardous materials. The effectiveness of such mitigations was evaluated after inspection and it is summarized in Table 4-2.

#### **4.2.5 Summary of Action Required**

22. It has been observed that all civil works contractors in the project implemented mitigation measure to reduce environment impacts during construction. Based on the results of monitoring inspection, summary of action required has been commented to rectify the mitigation actions of contractors. The summary of actions required of each contract packages are shown in Table 4-3.

**Table 4-2 Environment Mitigation Compliance**

Impact / Mitigation Measure	Mitigations Effectiveness rating (1 to 5)*						
	CW-A	CW-B1	CW-C1	CW-C2	CW-C3	CW-D	CW-E
Safety risks due to presence of UXO	1	1	1	1	1	1	1
Mechanism to address environmental complaints	1	1	1	1	1	1	1
Siting of quarry and borrow areas could cause damage to ecologically sensitive sites, productive land	2	2	2	1	1	1	1
Siting of various project facilities could adversely affect sensitive receptors (residential areas, etc.) due to dust emission,	1	1	1	1	1	1	1
Climate change and hydrological impacts	1	1	1	1	1	1	1
Disruption to community utilities	1	1	1	1	1	1	1
Archeological Chance Finds.	1	1	1	1	1	1	1
Air pollution due to elevated levels of dust and gaseous Emissions	2	3	1	2	1	1	2
Elevated noise and vibration levels that could cause nuisance and damage to properties	1	1	1	1	1	1	1
Improper handling and disposal of wastes could cause odor and vermin problems, pollution and flow obstruction of nearby water courses and could negatively impact the landscape	3	2	1	1	2	2	3
Operation of these facilities will generate solid and liquid wastes and if improperly handled, these could cause health problems and pollution.	1	3	4	4	2	4	3
Operation of quarry and borrow sites could cause adverse impacts to surface water quality, elevated dust emission during excavation siltation of nearby water courses, damage to productive land and ecologically sensitive areas and pose health and safety risks.	1	1	1	1	1	1	1
Pollution and safety risks due to use of hazardous materials and disposal of hazardous wastes	1	3	2	2	1	2	4
Safety risks to workers and the public	1	4	3	2	2	3	4
Improper spoils disposal could cause deterioration of water quality, damage to productive land and flow obstruction of water courses	1	1	1	1	1	1	1
Bridge repair and replacement could cause obstruction of river flow and deterioration of water quality due to siltation	1	1	1	1	1	1	1
Damage to community utilities such as water supply pipes, irrigation canals, drainage, etc. may occur during construction activities.	1	1	1	1	1	1	1
Deterioration of Surface water quality, flooding and flow obstruction of watercourses	1	1	1	1	1	1	1
Traffic disruption and obstruction of access to roadside properties	1	1	1	1	1	1	1
Soil erosion	1	1	1	1	1	1	1
Impacts to flora and fauna	1	1	1	1	1	1	1
Health and safety risks to workers and the public Social conflicts	3	3	3	2	2	3	3
Social Conflict	1	1	1	1	1	1	1

\* 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)

**Table 4-3 Summary of Action Required**

<b>Contract Package</b>	<b>Action Required</b>	<b>Time Frame</b>	<b>Responsibility</b>
<b>CW-A</b>	1-Borrow pits should be graded, reinstated to original condition and install warning signs. (KC3 and KC4)	Within two months	Contractor
	2-Put cover over the water container in the camp. (KC6)	Within one month	Contractor
<b>CW-B1</b>	1-Borrow pit should be reinstated and cleaned after use. (TBK2)	Within three months	Contractor
	2- Keep hazardous material garbage in separate place at the camp site (TBK2)	Within one month	Contractor
	3-Water containers should be covered (TBK2)	Within two months	Contractor
	4-Install fence and anti-spill facility at the bottom for fuel tank (TBK5)	Within two months	Contractor
<b>CW-C1</b>	1-Install project information sign (PV3).	Within one month	Contractor
	2- Install warning sign at pipe culvert working site (PV3)	Within one month	Contractor
	3- Provide cover, boundary fence and Anti-spill facility at the bottom (PV3)	Within two months	Contractor
	4- Keep garbage in proper dust bins at the camp sites	Within one month	Contractor
<b>CW-C2</b>	1- Provide cover, boundary fence and Anti-spill facility at the bottom for fuel tank (PV5)	Within two months	Contractor
<b>CW-C3</b>	1-Make wider camp entrance and grade parking space of camp site.	Within two months	Contractor
<b>CW-D</b>	1-Install boundary fence and anti-spill facility in the bottom for fuel tank (SVR2 and SVR3)	Within two months	Contractor
	2- Install safety line along earthwork working site (SVR3 and SVR5)	Within one month	Contractor
	3- Make a separate stock room and keep hazardous material. (SVR3)	Within two months	Contractor
<b>CW-E</b>	1- Provide cover, boundary fence and Anti-spill facility at the bottom	Within two months	Contractor
	2-Reair stock facility to be tightly secured for hazardous material	Within two months	Contractor
	3-Install warning sign and safety line at the structure working site.	Within one month	Contractor
	4- Put cover on water containers	Within one month	Contractor
	5-Provide dustbins to collect and dispose garbage	Within one month	Contractor

## 5 GRIEVANCE REDRESS MECHANISM

23. 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 GRM, which shall be established before commencement of site works, shall be chaired by PMU to be assisted by the SEO. The GRM shall have members from the PDRD, commune councils, local NGO, and women's organization. Grievances can be filed in writing or verbally to the Communes, Contractors, or any member of the GRC.

24. 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. At the beginning point of every project roads, the project information board has been installed with the project information including the hot line telephone number of MRD in Khmer and English.

### 5.1 GRC Establishment for Civil Works

25. SEO Officers visited whole project provinces and established GRM as commune-based in 2019 and 2020 prior to the commencement of civil works. The status of establishment of GRM is shown in Table 5-1.

Table 5-1: Status of establishment of GRM

Contract Package	List of Commune GRM Established		Date Established	Remarks
	Number	Name of Communes		
<b>CW-A</b>	<b>18</b>	1-Thma Pun, 2-Krouch, 3-Kor, 4- Ta Ong, 5.- Svay Teab, 6-Prek Kak, 7-Soupheas, 8-Mer Sar Chrey, 9- Dang Kdar, 10- Sampong Chey, 11-Sdaeng Chey,12-Pring Chrum, 13-Sandaek, 14-Khnor Dambang, 15-Pdav Chom, 16-Kork Reveang, 17-Sotib, 18-Phav	22 Jun 2020	
<b>CW-B1</b>	<b>4</b>	1-Chong Cheach, 2-Kandaol Chrum, 3-Trapeang Phlong, 4-Kak	29 Jun 2020	
<b>CW-B2</b>	<b>4</b>	1-Seda, 2-Chhouk, 3-Chikor, 4-Prah Teat	18 Dec 2019	
<b>CW-C1</b>	<b>7</b>	1-Kdoeang Reay, 2-Seang Khveang, 3- Trabaek, 4-Doun Koeng, 5-Cheung Tuek, 6-Prey Kanlaong, 7-Pou Rieng	23 Nov 2020	
<b>CW-C2</b>	<b>5</b>	1-Thma Pun, 2-Kouk Kong Kaeut, 3-Kouk Kong Lech, 4-Kanhchriech, 5-Dountei	23 Nov 2020	
<b>CW-C3</b>	<b>3</b>	1-Sena Reach Otdam, 2-Angkor Reach, 3-Kampong Trabaek	23 Nov 2020	
<b>CW-D</b>	<b>11</b>	1-Kraol Kou, 2-Samyaong, 3-Svay Angk, 4-Prey Thum, 5-Preah Ponlea, 6-Kampong Chak, 7-Svay Chek, 8-Meun Chey, 9-Thmea, 10-Kampong Ampil, 11-Pong Teuk	31 Aug 2020	
<b>CW-E</b>	<b>3</b>	1-Kampong Domrei, 2-Damrei Phong, 3-Chhlong	11 Aug 2020	
<b>Total</b>	<b>55</b>			

## **5.2 Members of GRC**

26. The members of established GRCs for communes are representatives from PMU, PDRD, Commune and Village. The organization of GRC is as follows:

1. Chairman: Mr. Song Sophal, Project Manager, PMU, MRD
2. Member: PDRD coordinator, PDRD project province, MRD
3. Member: Representative from local NGO
4. Member: Representative from women's organization
5. Member: Commune Council

## **5.3 GRM Log Book**

27. In order to provide transparency in line with safeguards compliance, the SEO prepared the GRM log book and distributed to the commune offices during this quarter. The log book was designed for cover and contents, which can be easily recorded any complaints in relation with environment and social issues caused by the implementation of civil works for the project. The distributed GRM log book of Khmer version original and English translation are attached in **Appendix 8**.

## **5.4 Complaints Received**

28. During this reporting period, there has been no complaint received from local people or communes. Local people were satisfied with the improvement work in the project communes.

# **6 SOCIAL MONITORING**

## **6.1 Social Monitoring for Civil Works**

29. Due to restriction of international travel because of the spread of COVID-19 pandemic, the international social development /safeguards specialist could not participate in the social monitoring of the project. SEO officers and national social development/safeguard specialist conducted social monitoring from 15 June to 27 June 2021. The team visited the Svay Rieng provinces from 15 to 17 June 2021 to conduct due diligence survey for additional road of SVR8 (13.4 km) to prepare the due diligence report. And the team found there was no social issue raised during the first and second quarter 2021 and it was also confirmed there is no indigenous people living within the project area.

30. The team with SEO gender officers and national gender specialist visited civil work sites and site camps. They checked no complaints in relation with the child employment and discrimination of payment for women laborers. All unskilled women workers were paid same amount as unskilled man workers.



Interview with local household



Interview with women workers

## 6.2 Due Diligence Survey

31. Due diligence survey for additional road of SVR8 in Svay Rieng province was conducted from 15 -17 June 2021. The length of road is 13,4 km and the road traverses flat agricultural land in two districts, Svay Chrum and Kampong Rou. There are three communes along the road which are Samyaoung commune, Banteay Kang commune and Basak commune.

32. According to the site inspection by the team, the width of proposed road was more than 8.0m in general and there is no potential impact was expected due to its wide existing width. No structure and houses within the proposed road width of 8.0m. Three consultation meeting were held in the commune offices with commune officers, village development committee and local people, and the project information on scope and schedule together with Community participation framework were disseminated to the participants from commune office, VDC and local people, and the team answered the question from the participants on the road design, resettlement impact, project schedule etc.



33. The inspection results showed that no affected fruit trees, forest trees, fences and other properties were consisted within proposed road boundary due to this existing road width is about 8.0m. And the villagers expressed their willingness to donate small trees or wooden fences within the ROW without compensation in the case that such properties are affected by the detailed design.

34. The due diligence report for the additional road (SVR8) is attached in **Appendix 9**.



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

35. The HIV/AIDS subcontractors of CW-A and CW-E is Cooperation for Social Services and Development (CSSD)), while CW-B1 and CW-D is Community Development of Humanitarian Association (CDOH). The subcontractors conducted HIV/AID and human trafficking awareness education in the target area of civil works contracts. The contract C1 and CW-2 did not start the education activities.

36. The activities of 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.

37. Total of 3,802 person (2,215 women) have been educated during first half of 2021. The status of HIV/AIDS education is shown in **Error! Reference source not found..**

Table 6-1: Status of HIV/AIDS Education for Civil Works

Contract	CW-A		CW-B1		CW-D		CW-E		Total	
Subcontractor	CSSD		CDOH		CDOH		CSSD			
	Total	Women	Total	Women	Total	Women	Total	Women	Total	Women
Jan-21	621	399			95	55			716	454
Feb-21	532	373			114	60			646	433
Mar-21	296	203			125	72			421	275
Apr-21	400	230			116	62			516	292
May-21	521	321	95	51	69	22	178	22	863	416
Jun-21	318	163			130	66	192	116	640	345
Total	2,688	1,689	95	51	649	337	370	138	3,802	2,215

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

38. Since the February 20 event in Phnom Penh, the COVID-19 in Cambodia has changed from imported case to local spread pattern. And the COVID-19 cases steadily increased up to the end of June 2021, and the cases have been found in every province and whole country has been into the serious threat of COVID-19.

39. The COVID-19 cases breakdown by province as of 28 June 2021 is shown in Table 6.2.

Table 6.2 Cambodia COVID-19 Cases Breakdown by Province.

Province	Total cases	Recoveries	Deaths
Banteay Meanchey	4,636	3,301	24
Battambang	668	366	6
Kampong Cham	1,575	1,064	10
Kampong Chhnang	442	335	6
Kampong Speu	2,116	1,452	33
Kampong Thom	670	311	5
Kampot	1,059	674	11
Kandal	6,442	4,654	21
Kep	132	11	1
Koh Kong	863	142	1
Kratie	21	13	1
Monduliri	96	3	

Oddar Meanchey	189	87	2
Pailin	206	154	1
Phnom Penh <sup>(1)</sup>	≈22700	≈17000	240
Preah Vihear	55	21	
<b>Prey Veng</b>	<b>1,223</b>	<b>751</b>	<b>18</b>
Pursat	671	228	2
Ratanakiri	162	8	
Siem Reap	625	166	6
Sihanoukville <sup>(1)</sup>	≈5200	≈4700	28
Stung Treng	25	11	
<b>Svay Rieang</b>	<b>1,570</b>	<b>1,076</b>	<b>12</b>
Takeo	2,099	1,304	22
<b>Tboung khmum</b>	<b>279</b>	<b>172</b>	<b>6</b>

Note (1) Figures of Phnom Penh and Sihanoukville are estimated numbers.

(2) Project provinces are colored in Yellow

Source: Khmer Times (28 June 2021)

40. As shown in the table, the all 5 project provinces have been under the threat of COVID-19 local spread. The civil work contractors implemented the Health and Safety Plan on COVID-19 in the site. During the report period all contractors took preventive action for hygienic environment and training of workers to avoid the spread of COVID-19.

41. 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.

42. Screen all workers at the beginning of their work and site engineers checked temperature in the morning. Digital infrared thermometer has been used for temperature check. Any workers having a temperature higher than 37.3 degree was not allowed to work in the site and returned to their home for self-quarantine.

43. 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.

44. The Ministry of Health in Cambodia announced that there were 50,385 cases of COVID-19 with 44,143 recoveries and 602 deaths as of the end of June 2021. No patient of COVID-19 occurred in the project sites during this reporting period.

## 7 COMPLIANCE WITH LOAN COVENANTS

45. 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 July-December 2020 was submitted on 29 January 2021 and approved by ADB in March 2021. (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 for 20 roads was submitted and cleared by ADB in April 2020 and approved by the ADB.</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 houses 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 is no indigenous people in the project area.
	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	Completed  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) <u>First SMR(Jul-Dec 2019)</u> was submitted on 28 Jan 2020 and has been disclosed upon clearance by ADB</p> <p><u>Second SMR(Jan-Jun 2020)</u> was submitted on 29 July 2020 and has been disclosed upon clearance by ADB</p> <p><u>Third SMR (Jul-Dec 2020)</u> was submitted on 29 January 2021 and has been disclosed upon clearance by ADB</p> <p>(b) Unanticipated social impact was broken out due to COVID-19 pandemic. 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>
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>Ongoing.</p> <p>(a) Grievance Redress Mechanism has been established in project area by commune level at 55 communes prior to the commencement of civil works for Contract CW-A, CW-B1,</p>

Schedule	Para No.	Loan Covenants	Remarks/Issues (Status of Compliance)
		<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>CW-B2, CW-C1, CW-C2, CW-C3, CW-D and CW-E.</p> <p>(b) The GRM has been being functioned. The log book of GRM has been prepared, printed and distributed to 55 communes in the project provinces by 30 June 2021. No complaints have been received.</p>

## **8 CONCLUSION AND RECOMMENDATIONS**

### **8.1 Environmental Safeguards**

46. Due to the threat of COVID-19 and international travel restriction, the international environment specialist and International social development/safeguards specialist could not be mobilized during this reporting period. But international specialists supported the semi-annual integrated environment and social monitoring of the project through advisory and review of report etc. The field monitoring of integrated environment and social monitoring have been conducted by national environmental specialist, social development/safeguard specialist and gender specialist together with SEO officers and PDRD officers in the MRD.

47. Semi-annual environment monitoring on the ongoing civil works sites of the Project has been conducted from 14 June to 29 June 2021, by the SEO officer and national environment specialist conducted using the suggested site monitoring form for ongoing contracts. The monitoring team visited 7 civil works sites to check environment mitigation activities and its effectiveness including site camps in operation, 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, safety signs and vibration have been checked in order to ensure compliance with the project EMP, CEMP and ADB Safeguard Policy Statement 2009.

48. The contractors generally complied with safeguards statement during construction according to the CEMP, but there still need some more improvement to install safety signs at drainage structure construction site and garbage produced in the base camps have not yet properly managed. As the weather condition of Cambodia entered into wet season, air pollution and dust problem have been reduced due to frequent rains.

49. The Grievance Redress Mechanism (GRM) for the whole civil works contracts have already been established by the PMU with the members from the local authorities (commune levels) chaired by Project Manager of MRD. During this period, the PMU prepared the log book for complaint register and distributed to every commune office along the project roads.

### **8.2 Social Safeguards**

50. The national social development/safeguard specialist and SEO officer conducted due diligence survey for additional road improvement of SVR8 in Svay Rieng province from 15 June to 17 June 2021. The length of proposed road is 13,4 km and the road traverses flat agricultural land in two districts, Svay Chrum and Kampong Rou. There are three communes along the road which are Samyaoung commune, Banteay Kang commune and Basak commune.

51. The inspection results showed that no affected fruit trees, forest trees, fences and other properties were consisted within proposed road boundary due to this existing road width is about 8.0m. And the villagers expressed their willingness to donate small trees or wooden fences within the ROW without compensation in the case that such properties are affected by the detailed design.

52. The team with SEO gender officers and national gender specialist visited civil work sites and site camps. They checked no complaints in relation with the child employment and discrimination of payment for women laborers. All unskilled women workers were paid same amount as unskilled man workers.

53. The subcontractors conducted HIV/AIDS and human trafficking awareness education in the target area of civil works contracts. The contract C1 and CW-2 did not start the education activities. The activities of 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. Total of 3,802 person (2,215 women) have been educated during first half of 2021.

54. Since the February 20 event in Phnom Penh, the COVID-19 in Cambodia has changed from imported case to local spread pattern. And the COVID-19 cases steadily increased up to the end of June 2021, and the cases have been found in every province and whole country has been into the serious threat of COVID-19. During the report period all contractors took preventive action for hygienic environment and training of workers.to avoid the spread of COVID-19.

55. 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. The Ministry of Health in Cambodia announced that there were 50,385 cases of COVID-19 with 44,143 recoveries and 602 deaths as of the end of June 2021. No patient of COVID-19 occurred in the project sites during this reporting period.





KINGDOM OF CAMBODIA  
NATION RELIGION KING

MINISTRY OF RURAL DEVELOPMENT  
RURAL ROADS IMPROVEMENT PROJECT-III

No : 043 RRIP-III /MRD

Phnom Penh, 26 July 2021

**Mr. Hiroaki Yamaguchi**  
Director  
Transport and Communication Division  
Southeast Asia Department (SETC)  
Asian Development Bank  
Manila, Philippines. FAX: (632) 636 2015

Ref: Rural Roads Improvement Project III, ADB Loan 3678-CAM/Grant 0581-CAM

**Subject: Submission of Semi-annual Integrated Environmental and Social Safeguards Monitoring Report for the Period covering from January to June 2021**

Dear Sir,

We are pleased to submit herewith the Semi-annual Integrated Environmental and Social Safeguards Monitoring Report covering the period from January to June 2021 in accordance with the Schedule 4, para 12 of the Loan Agreement of the project.

The report covers the results of environmental and social monitoring on the ongoing civil work Contract of CW-A, CW-B1, CW-C1, CW-C2, CW-C3, CW-D and CW-E, due diligence survey on the additional road SVR8, Grievance Redress Mechanism, HIV/AIDS education and Health and Safety Plan on COVID-19 of the Project.

Through the environmental and social safeguard monitoring on the Project, it has been concluded there has been no serious environmental and social impacts observed in the implementation of project during this reporting period.

Please, Mr. Hiroaki Yamaguchi, accept the assurance of my high consideration.

Sincerely yours,



**Dr. CHAN Darong**  
Secretary of State  
Project Director  
Ministry of Rural Development

CC: H.E. Suos Kong, Project Coordinator, Secretary of State, MRD  
Mr. Takeshi Fukayama, Transport Specialist, SETC, ADB  
Ms. Sunniya Duranni Zamal, Country Director, ADB CARM

KINGDOM OF CAMBODIA  
NATION RELIGION KING



MINISTRY OF RURAL DEVELOPMENT

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

---

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

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**(Period of Monitoring: January to June 2021)**

**July 2021**



KOREA CONSULTANTS INTERNATIONAL CO. LTD.



**RURAL ROADS IMPROVEMENT PROJECT III**  
ADB Loan 3678-CAM / Grant 0581-CAM  
Consulting Services for Implementation  
**KOREA CONSULTANTS INTERNATIONAL CO., LTD**

16 July 2021

**H.E. Dr. CHAN Darong**  
Secretary of State  
Project Director  
Ministry of Rural Development  
No. 771-773 Preah Monivong Blvd.  
Phnom Penh, Cambodia  
E-mail: darongchan@gmail.com

RURAL ROADS IMPROVEMENT PROJECT III	
DATE RECD	19 - 7 - 2021
FILE NO	DOC NO 068RRIP III

Our Ref No. RRIP III/ADB/KCI-646

**Ref:** Rural Roads Improvement Project III, ADB Loan 3678-CAM/Grant 0581-CAM  
Consulting Services for Implementation (CSI)

**Subject:** Submission of Semi-annual Integrated Environmental and Social  
Safeguards Monitoring Report covering from January to June 2021

Dear Excellency,

In relation with the Consulting Services for Implementation of RRIP III commenced on 1 April 2019, we are pleased to submit herewith the Semi-annual Integrated Environmental and Social Safeguards Monitoring Report covering the period from January to June 2021.

The report covers the results of integrated environmental and social monitoring on the ongoing civil works contract of CW-A, CW-B1, CW-1, CW-C2, CW-C3, CW-D and CW-E and activities on the Environment Management Plan, ADB Safeguard Policy Statement of 2009, Community Participation Framework, Grievance Redress Mechanism, and Health and Safety Plan on COVID-19 of the Project.

Your kind review and comments would be highly appreciated.

Sincerely yours,

**KIM IL HWAN**  
Team Leader  
Consulting Services for Implementation  
Korea Consultants International



**PROJECT MANAGEMENT UNIT (PMU)****Report Control Form**

Project Name: Rural Roads Improvement Project III, ADB Loan  
3678-CAM / Grant 05B1-CAM

Report Name: Revised Semi-annual Integrated Environmental and Social Safeguards  
Monitoring Report (January to June 2020)

**PREPARATION, REVIEW AND AUTHORISATION**

Prepared by: Mr. KIM H Hwan

Signature: 

Position: Team Leader – DDIS Consultants

Date: 16 July 2021

Checked by: Mr. Meng Saopheakkun

Signature: 

Position: Assistant to Project Manager, MRD

Date: 21-07-2021

Reviewed by: H.E. SONG Sopha

Signature: 

Position: Project Manager, MRD

Date: 23 Jul 2021

Approved by: H.E. Dr. CHAN Darong

Signature: 

Position: Secretary of State, Project Director  
MRD

Date: 26/8/21

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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 June 2021 is 30.10% which is 6.50% ahead of planned progress. The overall progress of project is shown below.

Output	Component	Contract Amount (US\$)	Planned Progress (%)	Actual Progress (%)				Remarks
				Previous	Jan-Jun 2021	Cumulative	Slippage	
1	CW-A	13,997,668.51	23.68	14.09	33.51	47.60	+23.92	Ung Sim Sia
	CW-B1	4,741,434.65	21.38	6.03	20.41	26.44	+5.06	M.T.A.
	CW-B2	2,481,668.20	100.00	98.34	1.66	100.00	+0.00	Ung Sim Sia
	CW-C1	4,645,950.97	8.45	0.03	21.99	22.02	+13.57	Banteay Srei
	CW-C2	4,745,644.95	9.73	0.02	21.83	21.85	+12.12	Banteay Srei
	CW-C3	1,966,836.39	11.33	2.57	11.63	14.2	+2.87	Bore Khmer
	CW-D	8,955,210.35	13.18	1.92	13.08	15.00	+1.82	Tan Kim Eng
	CW-E	8,914,545.60	12.46	4.87	28.99	33.86	+21.40	Beng Meng
	Consulting Services	3,392,300	55.39	43.61	9.24	52.85	-2.54	KCI
2	Road Asset Management	NA	5.00	5.00	0.00	5.00	+0.00	Overload Control
3	Road Safety Program	NA	20.00	5.22	6.98	12.20	-7.80	SEO Training
Overall Progress (%)			<b>23.60</b>	<b>13.57</b>	<b>16.53</b>	<b>30.10</b>	<b>+6.50</b>	

5. For the semi-annual environment monitoring, the international environment specialist could not be mobilized due to travel restriction because of COVID-19 pandemic. Thus, semi-annual environmental monitoring has been done by SEO officer, PDRD officers, national environmental specialist and the resident engineers in the site for supervision. Among 8 civil works contracts, one contract of CW-B2 has been completed. Therefore, semi-annual environment monitoring has been conducted for 7 ongoing civil works contracts. According to the suggestion by the ADB environment specialist, the monitoring team used the sample form of site environmental compliance inspection and monitoring for ongoing construction provided by the ADB.

6. 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 wet season, dust problem in the construction site has been reduced.

7. GRC in commune level of 8 civil work contracts have been established by the SEO. SEO officers visited total of 57 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 SEO prepared the GRM log book and distributed to the commune offices during this quarter. The log book was designed for cover and contents, which can be easily prepared for any complaints in related with environment and social issues due to the implementation of civil works for the project. During this reporting period, there has been no complaint received from local people or communes. Local people were satisfied with the start of civil work in the project communes

8. 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 Health and safety plan.

9. SEO officers and national social development/safeguard specialist conducted social monitoring from 15 June to 27 June 2021. The team visited the Svay Rieng provinces from 15 to 17 June 2021 to conduct due diligence survey for additional road of SVR8 (13.4 km) to prepare the due diligence report. And the team found there was no social issue raised during the first and second quarter 2021 and it was also confirmed there is no indigenous people living within the project area.

10. Due diligence survey for additional road of SVR8 in Svay Rieng province was conducted from 15 -17 June 2021. The length of road is 13,4 km and the road traverses flat agricultural land in three communes, Samyaoung commune, Banteay Kang commune and Basak commune. No structure and houses within the proposed road width of 8.0m. Three consultation meeting were held in the commune offices with commune officers, village development committee and local people, and the project information on scope and schedule together with Community participation framework were disseminated to the participants from commune office, VDC and local people, and the team answered the question from the participants on the road design, resettlement impact, project schedule etc.

11. The activities of 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. Total of 3,802 person (2,215 women) have been educated during first half of 2021.

12. Since the February 20 event in Phnom Penh, the COVID-19 in Cambodia has changed from imported case to local spread pattern. And the COVID-19 cases steadily increased up to the end of June 2021, and the cases have been found in every province and whole country has been into the serious threat of COVID-19. The civil work contractors implemented the Health and Safety Plan on COVID-19 in the site. During the report period all contractors took preventive action for hygienic environment and training of workers to avoid the spread of COVID-19. The Ministry of Health in Cambodia announced that there were 50,385 cases of COVID-19 with 44,143 recoveries and 602 deaths as of the end of June 2021. No patient of COVID-19 occurred in the project sites during this reporting period.

## 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 January to June 2021.

---

<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.

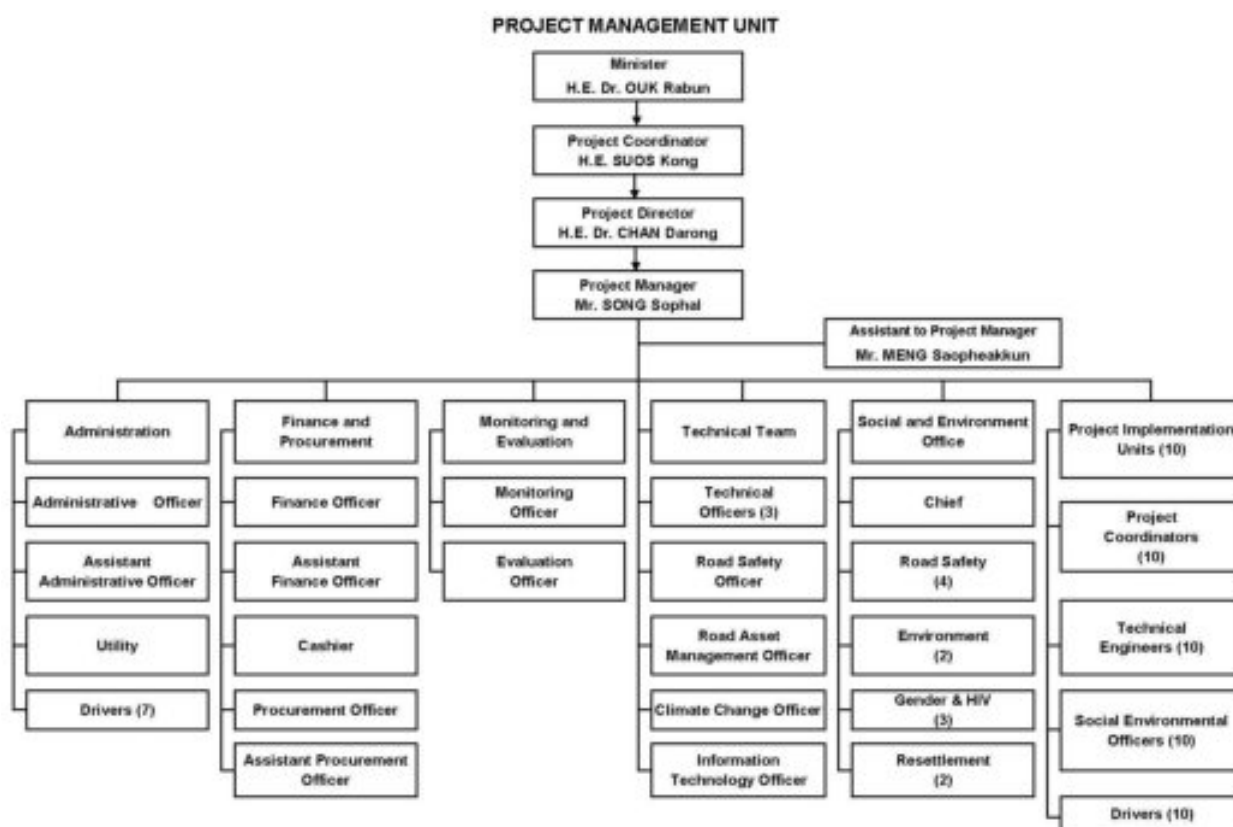


Figure 2-1: Organization Chart of PMU

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	Soupeas, 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>			



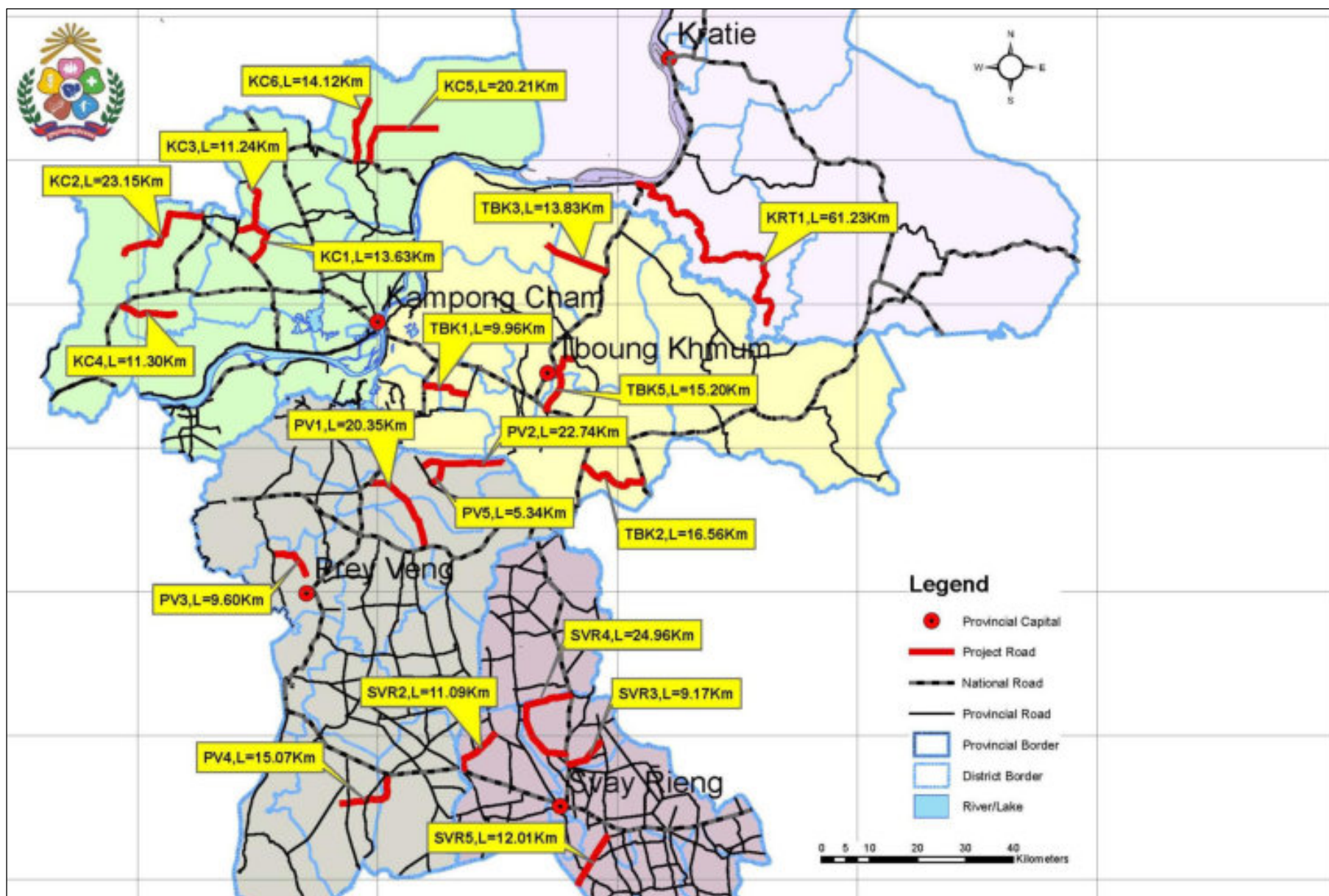


Figure 3-1: Location Map of Project Roads

### 3.2 Overall Progress of the Project

9. The overall progress of project implementation as of the end of June 2021 is 30.10% which is 6.50% ahead of planned progress. Progress of the overall project implementation as of 30 June 2021 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	Jan-Jun 2021	Cumulative	Slippage	
1	Civil Works	CW-A	13,997,668.51	23.68	14.09	33.51	47.60	+23.92	Ung Sim Sia
		CW-B1	4,741,434.65	21.38	6.03	20.41	26.44	+5.06	M.T.A.
		CW-B2	2,481,668.20	100.00	98.34	1.66	100.00	+0.00	Ung Sim Sia
		CW-C1	4,645,950.97	8.45	0.03	21.99	22.02	+13.57	Banteay Srei
		CW-C2	4,745,644.95	9.73	0.02	21.83	21.85	+12.12	Banteay Srei
		CW-C3	1,966,836.39	11.33	2.57	11.63	14.2	+2.87	Bore Khmer
		CW-D	8,955,210.35	13.18	1.92	13.08	15.00	+1.82	Tan Kim Eng
		CW-E	8,914,545.60	12.46	4.87	28.99	33.86	+21.40	Beng Meng
	Consulting Services	3,392,300	55.39	43.61	9.24	52.85	-2.54	KCI	
2	Road Asset Management	NA	5.00	5.00	0.00	5.00	+0.00	Overload Control	
3	Road Safety Program	NA	20.00	5.22	6.98	12.20	-7.80	SEO Training	
Overall Progress (%)				23.60	13.57	16.53	30.10	+6.50	

### 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 Jan-Jun 2021
Kampong Cham	CW-A	KC1	May 2020	80%	Earthworks, DBST, Drainage
		KC2	May 2020	20%	Earthwork, Drainage
		KC3	May 2020	90%	Earthworks, DBST, Drainage
		KC4	May 2020	35%	Earthwork, Drainage
		KC5	May 2020	80%	Earthworks, Pavement, Drainage
		KC6	May 2020	80%	Earthworks, Pavement, Drainage
Tboung Khmum	CW-B1	TBK2	Jul 2020	15%	Earthwork, Subbase, Drainage
		TBK5	Jul 2020	15%	Earthwork, Drainage
	CW B2	TBK1	May 19	100%	Completed
		TBK3	May 19	100%	Completed
Prey Veng	CW-C1	PV1	Dec 2020	3%	UXO, Clearing & Grubbing
		PV3	Dec 2020	50%	UXO, Earthwork, Drainage
	CW-C2	PV2	Dec 2020	30%	UXO, Earthwork, Drainage
		PV4	Dec 2020	40%	UXO, Earthwork, Drainage
	CW-C3	PV5	Oct 2020	15%	Earthwork, Drainage
Svay Rieng	CW-D	SVR2	Aug 2020	30%	Earthwork, Drainage
		SVR3	Aug 2020	25%	Earthwork, Drainage
		SVR4	Aug 2020	10%	Earthwork, Drainage
		SVR5	Aug 2020	15%	Earthwork, Subbase, Drainage
Kratie	CW-E	KRT1	Aug 2020	40%	Earthwork, 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 Monitoring of Ongoing Civil Works

18. For the semi-annual environment monitoring, the international environment specialist could not be mobilized due to travel restriction because of COVID-19 pandemic. Thus, semi-annual environmental monitoring has been done by SEO officer, PDRD officers, national environmental specialist and the resident engineers in the site for supervision. The monitoring team were:

- Mr. Chhun Sophea, Chief Environmental Officer, SEO/MRD
- Mr. Hang Sophal National Environmental Specialist
- PDRD officers at 5 project provinces
- Resident Engineers and Inspectors

19. Among 8 civil works contracts, one contract of CW-B2 has been completed. Therefore, semi-annual environment monitoring has been conducted for 7 ongoing civil works contracts. The team conducted semi-annual environment monitoring inspection from 14 June until 25 June 2021. The monitoring team visited sites and checked the contractor understand EMP and they keep and follow the EMP implementation. And the team checked mitigation activities in the EMP and evaluating of effectiveness as the rating in the form. 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	6 roads	21-22 June 2021	
CW-B1	2 roads	14-15 June 2021	
CW-C1	2 roads	24 June 2021	PV1 site not yet in operation.
CW-C2	2 roads	24 June 2021	
CW-C3	1 road	24 June 2021	
CW-D	4 roads	22-23 June 2021	
CW-E	1 road	15-16 June 2021	

### 4.2.2 Environment Monitoring Form

20. According to the suggestion by the ADB environment specialist, the monitoring team used the sample form of site environmental compliance inspection and monitoring for ongoing construction provided by the ADB from this semi-annual environment monitoring.

### 4.2.3 Environment Monitoring Report by Contract Package

The semi-annual site environment monitoring has been conducted according to the form, and the report including the results of monitoring including mitigation compliance inspection and summary action required and follow-up. The reports by contract package are attached in **Appendix 1** through **Appendix 7**.

### 4.2.4 Environment Mitigation Compliance

21. The contractors generally complied with safeguards statement during construction according to the CEMP, but there still need some more improvement to manage fuel tank and hazardous materials. The effectiveness of such mitigations was evaluated after inspection and it is summarized in Table 4-2.

#### **4.2.5 Summary of Action Required**

22. It has been observed that all civil works contractors in the project implemented mitigation measure to reduce environment impacts during construction. Based on the results of monitoring inspection, summary of action required has been commented to rectify the mitigation actions of contractors. The summary of actions required of each contract packages are shown in Table 4-3.

**Table 4-2 Environment Mitigation Compliance**

Impact / Mitigation Measure	Mitigations Effectiveness rating (1 to 5)*						
	CW-A	CW-B1	CW-C1	CW-C2	CW-C3	CW-D	CW-E
Safety risks due to presence of UXO	1	1	1	1	1	1	1
Mechanism to address environmental complaints	1	1	1	1	1	1	1
Siting of quarry and borrow areas could cause damage to ecologically sensitive sites, productive land and nuisance to sensitive receptors	2	2	2	1	1	1	1
Siting of various project facilities could adversely affect sensitive receptors (residential areas, etc.) due to dust emission, wastewater generation, etc.	1	2	3	2	1	1	2
Climate change and hydrological impacts	1	1	1	1	1	1	1
Disruption to community utilities	1	1	1	1	1	1	1
Archeological Chance Finds.	1	1	1	1	1	1	1
Air pollution due to elevated levels of dust and gaseous Emissions	2	3	1	2	1	1	2
Elevated noise and vibration levels that could cause nuisance and damage to properties	1	1	1	1	1	1	1
Improper handling and disposal of wastes could cause odor and vermin problems, pollution and flow obstruction of nearby water courses and could negatively impact the landscape	3	2	1	1	2	2	3
Operation of these facilities will generate solid and liquid wastes and if improperly handled, these could cause health problems and pollution.	1	3	4	4	2	4	3
Operation of quarry and borrow sites could cause adverse impacts to surface water quality, elevated dust emission during excavation siltation of nearby water courses, damage to productive land and ecologically sensitive areas and pose health and safety risks.	1	1	1	1	1	1	1
Pollution and safety risks due to use of hazardous materials and disposal of hazardous wastes	1	3	2	2	1	2	4
Safety risks to workers and the public	1	4	3	2	2	3	4
Improper spoils disposal could cause deterioration of water quality, damage to productive land and flow obstruction of water courses	1	1	1	1	1	1	1
Bridge repair and replacement could cause obstruction of river flow and deterioration of water quality due to siltation	1	1	1	1	1	1	1
Damage to community utilities such as water supply pipes, irrigation canals, drainage, etc. may occur during construction activities.	1	1	1	1	1	1	1
Deterioration of Surface water quality, flooding and flow obstruction of watercourses	1	1	1	1	1	1	1
Traffic disruption and obstruction of access to roadside properties	1	1	1	1	1	1	1
Soil erosion	1	1	1	1	1	1	1
Impacts to flora and fauna	1	1	1	1	1	1	1
Health and safety risks to workers and the public Social conflicts	3	3	3	2	2	3	3
Social Conflict	1	1	1	1	1	1	1

**Table 4-3 Summary of Action Required**

<b>Contract Package</b>	<b>Action Required</b>	<b>Time Frame</b>	<b>Responsibility</b>
<b>CW-A</b>	1-Borrow pits should be graded, reinstated to original condition and install warning signs. (KC3 and KC4)	Within two months	Contractor
	2-Put cover over the water container in the camp. (KC6)	Within one month	Contractor
<b>CW-B1</b>	1-Borrow pit should be reinstated and cleaned after use. (TBK2)	Within three months	Contractor
	2- Keep hazardous material garbage in separate place at the camp site (TBK2)	Within one month	Contractor
	3-Water containers should be covered (TBK2)	Within two months	Contractor
	4-Install fence and anti-spill facility at the bottom for fuel tank (TBK5)	Within two months	Contractor
<b>CW-C1</b>	1-Install project information sign (PV3).	Within one month	Contractor
	2- Install warning sign at pipe culvert working site (PV3)	Within one month	Contractor
	3- Provide cover, boundary fence and Anti-spill facility at the bottom (PV3)	Within two months	Contractor
	4- Keep garbage in proper dust bins at the camp sites	Within one month	Contractor
<b>CW-C2</b>	1- Provide cover, boundary fence and Anti-spill facility at the bottom for fuel tank (PV5)	Within two months	Contractor
<b>CW-C3</b>	1-Make wider camp entrance and grade parking space of camp site.	Within two months	Contractor
<b>CW-D</b>	1-Install boundary fence and anti-spill facility in the bottom for fuel tank (SVR2 and SVR3)	Within two months	Contractor
	2- Install safety line along earthwork working site (SVR3 and SVR5)	Within one month	Contractor
	3- Make a separate stock room and keep hazardous material. (SVR3)	Within two months	Contractor
<b>CW-E</b>	1- Provide cover, boundary fence and Anti-spill facility at the bottom	Within two months	Contractor
	2-Reair stock facility to be tightly secured for hazardous material	Within two months	Contractor
	3-Install warning sign and safety line at the structure working site.	Within one month	Contractor
	4- Put cover on water containers	Within one month	Contractor
	5-Provide dustbins to collect and dispose garbage	Within one month	Contractor

## 5 GRIEVANCE REDRESS MECHANISM

23. 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 GRM, which shall be established before commencement of site works, shall be chaired by PMU to be assisted by the SEO. The GRM shall have members from the PDRD, commune councils, local NGO, and women's organization. Grievances can be filed in writing or verbally to the Communes, Contractors, or any member of the GRC.

24. 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. At the beginning point of every project roads, the project information board has been installed with the project information including the hot line telephone number of MRD in Khmer and English.

### 5.1 GRC Establishment for Civil Works

25. SEO Officers visited whole project provinces and established GRM as commune-based in 2019 and 2020 prior to the commencement of civil works. The status of establishment of GRM is shown in Table 5-1.

Table 5-1: Status of establishment of GRM

Contract Package	List of Commune GRM Established		Date Established	Remarks
	Number	Name of Communes		
<b>CW-A</b>	<b>18</b>	1-Thma Pun, 2-Krouch, 3-Kor, 4- Ta Ong, 5.- Svay Teab, 6-Prek Kak, 7-Soupheas, 8-Mer Sar Chrey, 9- Dang Kdar, 10- Sampong Chey, 11-Sdaeng Chey,12-Pring Chrum, 13-Sandaek, 14-Khnor Dambang, 15-Pdav Chom, 16-Kork Reveang, 17-Sotib, 18-Phav	22 Jun 2020	
<b>CW-B1</b>	<b>4</b>	1-Chong Cheach, 2-Kandaol Chrum, 3-Trapeang Phlong, 4-Kak	29 Jun 2020	
<b>CW-B2</b>	<b>4</b>	1-Seda, 2-Chhouk, 3-Chikor, 4-Prah Teat	18 Dec 2019	
<b>CW-C1</b>	<b>7</b>	1-Kdoeang Reay, 2-Seang Khveang, 3- Trabaek, 4-Doun Koeng, 5-Cheung Tuek, 6-Prey Kanlaong, 7-Pou Rieng	23 Nov 2020	
<b>CW-C2</b>	<b>5</b>	1-Thma Pun, 2-Kouk Kong Kaeut, 3-Kouk Kong Lech, 4-Kanhchriech, 5-Dountei	23 Nov 2020	
<b>CW-C3</b>	<b>3</b>	1-Sena Reach Otdam, 2-Angkor Reach, 3-Kampong Trabaek	23 Nov 2020	
<b>CW-D</b>	<b>11</b>	1-Kraol Kou, 2-Samyaong, 3-Svay Angk, 4-Prey Thum, 5-Preah Ponlea, 6-Kampong Chak, 7-Svay Chek, 8-Meun Chey, 9-Thmea, 10-Kampong Ampil, 11-Pong Teuk	31 Aug 2020	
<b>CW-E</b>	<b>3</b>	1-Kampong Domrei, 2-Damrei Phong, 3-Chhlong	11 Aug 2020	
<b>Total</b>	<b>55</b>			

## 5.2 GRM Log Book

26. The SEO prepared the GRM log book and distributed to the commune offices during this quarter. The log book was designed for cover and contents, which can be easily prepared for any complaints in related with environment and social issues due to the implementation of civil works for the project. The GRM log book of Khmer version original and English translation are attached in **Appendix 8**.

## 5.3 Complaints Received

27. During this reporting period, there has been no complaint received from local people or communes. Local people were satisfied with the start of civil work in the project communes.

# 6 SOCIAL MONITORING

## 6.1 Social Monitoring for Civil Works

28. Due to restriction of international travel because of the spread of COVID-19 pandemic, the international social development /safeguards specialist could not participate in the social monitoring of the project. SEO officers and national social development/safeguard specialist conducted social monitoring from 15 June to 27 June 2021. The team visited the Svay Rieng provinces from 15 to 17 June 2021 to conduct due diligence survey for additional road of SVR8 (13.4 km) to prepare the due diligence report. And the team found there was no social issue raised during the first and second quarter 2021 and it was also confirmed there is no indigenous people living within the project area.

29. The team with SEO gender officers and national gender specialist visited civil work sites and site camps. They checked no complaints in relation with the child employment and discrimination of payment for women laborers. All unskilled women workers were paid same amount as unskilled man workers.



Interview with local household



Interview with women workers

## 6.2 Due Diligence Survey

30. Due diligence survey for additional road of SVR8 in Svay Rieng province was conducted from 15 -17 June 2021. The length of road is 13,4 km and the road traverses flat agricultural land in two districts, Svay Chrum and Kampong Rou. There are three communes along the road which are Samyaoung commune, Banteay Kang commune and Basak commune.

31. According to the site inspection by the team, the width of proposed road was more than 8.0m in general and there is no potential impact was expected due to its wide existing width. No structure and houses within the proposed road width of 8.0m. Three consultation meeting were held in the commune offices with commune officers, village development committee and local people, and the project information on scope and schedule together with Community participation framework were disseminated to the participants from commune office, VDC and local people, and the team answered the question from the participants on the road design, resettlement impact, project schedule etc.



32. The inspection results showed that no affected fruit trees, forest trees, fences and other properties were consisted within proposed road boundary due to this existing road width is about 8.0m. And the villagers expressed their willingness to donate small trees or wooden fences within the ROW without compensation in the case that such properties are affected by the detailed design.

33. The due diligence report for the additional road (SVR8) is attached in **Appendix 9**.

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

34. The HIV/AIDS subcontractors of CW-A and CW-E is Cooperation for Social Services and Development (CSSD)), while CW-B1 and CW-D is Community Development of Humanitarian Association (CDOH). The subcontractors conducted HIV/AIDS and human trafficking awareness education in the target area of civil works contracts. The contract C1 and CW-2 did not start the education activities.

35. The activities of 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.

36. Total of 3,802 person (2,215 women) have been educated during first half of 2021. The status of HIV/AIDS education is shown in **Error! Reference source not found.**

Table 6-1: Status of HIV/AIDS Education for Civil Works

Contract	CW-A		CW-B1		CW-D		CW-E		Total	
Subcontractor	CSSD		CDOH		CDOH		CSSD			
	Total	Women	Total	Women	Total	Women	Total	Women	Total	Women
Jan-21	621	399			95	55			716	454
Feb-21	532	373			114	60			646	433
Mar-21	296	203			125	72			421	275



Apr-21	400	230			116	62			516	292
May-21	521	321	95	51	69	22	178	22	863	416
Jun-21	318	163			130	66	192	116	640	345
<b>Total</b>	<b>2,688</b>	<b>1,689</b>	<b>95</b>	<b>51</b>	<b>649</b>	<b>337</b>	<b>370</b>	<b>138</b>	<b>3,802</b>	<b>2,215</b>

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

37. Since the February 20 event in Phnom Penh, the COVID-19 in Cambodia has changed from imported case to local spread pattern. And the COVID-19 cases steadily increased up to the end of June 2021, and the cases have been found in every province and whole country has been into the serious threat of COVID-19.

38. The COVID-19 cases breakdown by province as of 28 June 2021 is shown in Table 6.2.

Table 6.2 Cambodia COVID-19 Cases Breakdown by Province.

Province	Total cases	Recoveries	Deaths
Banteay Meanchey	4,636	3,301	24
Battambang	668	366	6
Kampong Cham	1,575	1,064	10
Kampong Chhnang	442	335	6
Kampong Speu	2,116	1,452	33
Kampong Thom	670	311	5
Kampot	1,059	674	11
Kandal	6,442	4,654	21
Kep	132	11	1
Koh Kong	863	142	1
Kratie	21	13	1
Monduliri	96	3	
Oddar Meanchey	189	87	2
Pailin	206	154	1
Phnom Penh <sup>(1)</sup>	≈22700	≈17000	240
Preah Vihear	55	21	
Prey Veng	1,223	751	18
Pursat	671	228	2
Ratanakiri	162	8	
Siem Reap	625	166	6
Sihanoukville <sup>(1)</sup>	≈5200	≈4700	28
Stung Treng	25	11	
Svay Rieang	1,570	1,076	12
Takeo	2,099	1,304	22
Tboung khmum	279	172	6

Note (1) Figures of Phnom Penh and Sihanoukville are estimated numbers.

(2) Project provinces are colored in Yellow

Source: Khmer Times (28 June 2021)

39. As shown in the table, the all 5 project provinces have been under the threat of COVID-19 local spread. The civil work contractors implemented the Health and Safety Plan on COVID-19 in

the site. During the report period all contractors took preventive action for hygienic environment and training of workers to avoid the spread of COVID-19.

40. 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.

41. Screen all workers at the beginning of their work and site engineers checked temperature in the morning. Digital infrared thermometer has been used for temperature check. Any workers having a temperature higher than 37.3 degree was not allowed to work in the site and returned to their home for self-quarantine.

42. 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.

43. The Ministry of Health in Cambodia announced that there were 50,385 cases of COVID-19 with 44,143 recoveries and 602 deaths as of the end of June 2021. No patient of COVID-19 occurred in the project sites during this reporting period.

## 7 COMPLIANCE WITH LOAN COVENANTS

44. 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 July-December 2020 was submitted on 29 January 2021 and approved by ADB in March 2021. (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 for 20 roads was submitted and cleared by ADB in April 2020 and approved by the ADB.</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 houses 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 is no indigenous people in the project area.
	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) <u>First SMR(Jul-Dec 2019)</u> was submitted on 28 Jan 2020 and has been disclosed upon clearance by ADB</p> <p><u>Second SMR(Jan-Jun 2020)</u> was submitted on 29 July 2020 and has been disclosed upon clearance by ADB</p> <p><u>Third SMR (Jul-Dec 2020)</u> was submitted on 29 January 2021 and has been disclosed upon clearance by ADB</p> <p>(b) Unanticipated social impact was broken out due to COVID-19 pandemic. 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>
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>Ongoing.</p> <p>(a) Grievance Redress Mechanism has been established in areas prior to the commencement of civil works for Contract CW-A, CW-B1, CW-B2, CW-C1, CW-C2, CW-C3, CW-D and CW-E.</p>

Schedule	Para No.	Loan Covenants	Remarks/Issues (Status of Compliance)
		(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.	(b) The GRM has been being functioned. The log book of GRM has been prepared, printed and distributed to 57 communes in the project provinces. No complaints have been received.

## **8 CONCLUSION AND RECOMMENDATIONS**

### **8.1 Environmental Safeguards**

45. Due to the threat of COVID-19 and international travel restriction, the 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 national environmental specialist, social development/safeguard specialist and gender specialist together with SEO officers and PDRD officers in the MRD.

46. Semi-annual environment monitoring on the ongoing civil works sites of the Project has been conducted from 14 June to 29 June 2021, by the SEO officer and national environment specialist conducted using the suggested site monitoring form for ongoing contracts. The monitoring team visited 7 civil works sites to check environment mitigation activities and its effectiveness including site camps in operation, 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, safety signs and vibration have been checked in order to ensure compliance with the project EMP, CEMP and ADB Safeguard Policy Statement 2009.

47. The contractors generally complied with safeguards statement during construction according to the CEMP, but there still need some more improvement to install safety signs at drainage structure construction site and garbage produced in the base camps have not yet properly managed. As the weather condition of Cambodia entered into wet season, air pollution and dust problem have been reduced due to frequent rains.

48. The Grievance Redress Mechanism (GRM) for the whole civil works contracts have already been established by the PMU with the members from the local authorities (commune levels) chaired by Project Manager of MRD. During this period, the PMU prepared the log book for complaint register and distributed to every commune office along the project roads.

### **8.2 Social Safeguards**

49. The national social development/safeguard specialist and SEO officer conducted due diligence survey for additional road improvement of SVR8 in Svay Rieng province from 15 June to 17 June 2021. The length of proposed road is 13,4 km and the road traverses flat agricultural land in two districts, Svay Chrum and Kampong Rou. There are three communes along the road which are Samyaoung commune, Banteay Kang commune and Basak commune.

50. The inspection results showed that no affected fruit trees, forest trees, fences and other properties were consisted within proposed road boundary due to this existing road width is about 8.0m. And the villagers expressed their willingness to donate small trees or wooden fences within the ROW without compensation in the case that such properties are affected by the detailed design.

51. The team with SEO gender officers and national gender specialist visited civil work sites and site camps. They checked no complaints in relation with the child employment and discrimination of payment for women laborers. All unskilled women workers were paid same amount as unskilled man workers.

52. The subcontractors conducted HIV/AIDS and human trafficking awareness education in the target area of civil works contracts. The contract C1 and CW-2 did not start the education activities. The activities of 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. Total of 3,802 person (2,215 women) have been educated during first half of 2021.

53. Since the February 20 event in Phnom Penh, the COVID-19 in Cambodia has changed from imported case to local spread pattern. And the COVID-19 cases steadily increased up to the

end of June 2021, and the cases have been found in every province and whole country has been into the serious threat of COVID-19. During the report period all contractors took preventive action for hygienic environment and training of workers.to avoid the spread of COVID-19.

54. 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. The Ministry of Health in Cambodia announced that there were 50,385 cases of COVID-19 with 44,143 recoveries and 602 deaths as of the end of June 2021. No patient of COVID-19 occurred in the project sites during this reporting period.



## Appendix 1 Environment Monitoring Report (Contract CW-A)

### 1. Site Environmental Compliance Inspection and Monitoring

Project: Rural Road Improvement Project III Executing Agency : Ministry of Rural Development  
 Sub-Project: Contract CW-A Environment Monitoring : Social and Environment Office  
 Location: Kampong Cham province National Environment Specialist  
 Date: 21-22 June 2021 Contractor(s) : UNG SIM SIA CONSTRUCTION CO.,LTD  
 Reporting Period: 1Jan -30 June 2021 Implementation Phase : Ongoing Construction

#### 1. Contractor(s)

Contractor(s) Environmental Awareness	Yes / No <i>yes</i>	Actions Required <i>Followed EMP</i>	Contractor Response / Comment <i>Will follow instruction</i>
Contractor(s) aware of mitigation requirements?	Yes	No.	
Contractor(s) have a copy of EMP?	Yes	No.	

#### 2. 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	
Safety risks due to presence of UXO	Yes	1	No	No	No	Yes	MRD
Mechanism to address environmental complaints	Yes	1	No	No	No	Yes	MRD
Siting of quarry and borrow areas could cause damage to ecologically sensitive sites, productive land and nuisance to sensitive receptors	Yes	2	Borrow pit was note graded. (KC3 & KC4))	No.	No	Yes	MRD
Siting of various project facilities could adversely affect sensitive receptors (residential areas, etc.) due to dust emission, wastewater generation, etc.	Yes	1	No	No	No	Yes	MRD
Climate change and hydrological impacts	Yes	1	Non	No	No	Yes	MRD

Disruption to community utilities	Yes	1	-No any disruption to community utilities	No	No	Yes	MRD
Archeological Chance Finds.	Yes	1	-No Archeological found during excavation	No	No	Yes	MRD
Air pollution due to elevated levels of dust and gaseous Emissions	Yes	2	-Dust when surface dry	-More sprinkling water regularly	Will followed instruction	Yes	MRD
Elevated noise and vibration levels that could cause nuisance and damage to properties	Yes	1	-No noise and vibration caused to damage properties	No	No	Yes	MRD
Improper handling and disposal of wastes could cause odor and vermin problems, pollution and flow obstruction of nearby water courses and could negatively impact the landscape	Yes	3	-Garbage was not collected (KC3)	No	No	Yes	MRD
Operation of these facilities will generate solid and liquid wastes and if improperly handled, these could cause health problems and pollution.	Yes	1	No	No	No	Yes	MRD
Operation of quarry and borrow sites could cause adverse impacts to surface water quality, elevated dust emission during excavation siltation of nearby water courses, damage to productive land and ecologically sensitive areas and pose health and safety risks.	Yes	1	No	No	No	Yes	MRD
Pollution and safety risks due to use of hazardous materials and disposal of hazardous wastes	Yes	1	No	No	No	Yes	MRD
Safety risks to workers and the public	Yes	1	No	No	No	Yes	MRD
Improper spoils disposal could cause deterioration of water quality, damage to productive land and flow obstruction of water courses.	Yes	1	No	No	No	Yes	MRD
Bridge repair and replacement could cause obstruction of river flow and deterioration of water quality due to siltation	Yes	1	No	No	No	Yes	MRD
Damage to community utilities such as water supply pipes, irrigation canals, drainage, etc. may occur during construction activities.	Yes	1	No	No	No	Yes	MRD
Deterioration of Surface water quality, flooding and flow	Yes	1	No	No	No	Yes	MRD

**5. 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	
No incidents.						Yes	MRD

**6. Summary of Actions Required and Follow-up (If relevant)**

Action Required	Time frame (e.g. within one week)	Responsible Parties	Follow-up
			(to be completed if inspection/monitoring indicates actions are required)
1-Borrow pits should be graded and reinstated to original condition after use and install warning signs. (KC3 and KC4)	Within two months	Contractor	Required Action Taken:
2-Put cover over the water container in the camp. (KC6)	Within one month	Contractor	Effectiveness:
3. Garbage should be collected and disposed. (KC3)	Within one month	Contractor	Further Action Required?
Prepared by: National Environmental Specialist/SEO			
Date: 28 June 2021			

Inspection Completed by: Mr. Chhun Sophea, SEO Environment Officer  
Mr. Hang Sophal, National Environment Specialist

Date: 28 June 2021

Signature:

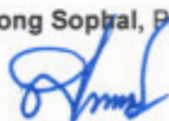



Endorsed By:

Project Manager:

Song Sophal, Project Management Unit, Ministry of Rural Development

Signature:



Attachments:

(photographs)

## 2. Photographs of Monitoring (Contract CW-A)

ROAD No.	Monitoring Photos	
KC1		
	Project information board installed at beginning point of project road	Oil drums are kept separately under the roof.
KC1		
	Available solid waste scatter in the premise of camp site	

ROAD No.	Monitoring Photos	
KC2		
	Project information board installed at beginning point of project road	At earth filling construction site, traffic poles were installed for traffic safety.
KC2		
	Detour road for box culvert construction was well maintained with proper safety signs and barriers.	Fuel tank was separated by fence and bottom was protected for spillage of oil.



ROAD No.	Monitoring Photos	
KC2		
	Borrow pit is well drained and nicely graded during excavation	Campsite was closed after completion of base course
KC3		
	Project information board installed at beginning point of project road	Campsite was clared after completion of activities.

ROAD No.	Monitoring Photos	
KC3		
	DBST first layer has been completed.	Borrow pit should be reinstaed and install warning sign.
KC4		
	Project information board installed at beginning point of project road	Excavated area was protected by safety sign and safety line with flag.

ROAD No.	Monitoring Photos	
KC4		
	Pipe culvert construction site was properly protected by signs and safety line.	Fuel tank and inside the camp yard are properly maintained.
KC4		
	Borrow pits should be graded and warning signs should be installed for safety.	



ROAD No.	Monitoring Photos	
KC5		
	Garbage and waste should be cleaned.	Borrow pit was graded after use.
KC6		
	Project information board installed at beginning point of project road	Water container was not covered.

## Appendix 2 Environment Monitoring Report (Contract CW-B1)

### 1. Site Environmental Compliance Inspection and Monitoring

Project: Rural Road Improvement Project III Executing Agency : Ministry of Rural Development  
 Sub-Project: Contract CW-B1 Environment Monitoring : Social and Environment Office  
 Location: Tboung Khmum province National Environment Specialist  
 Date: 14-15 June 2021 Contractor(s) : M.T.A construction Co. LTD  
 Reporting Period: 1January -30 June 2021 Implementation Phase : Ongoing Construction

#### 1. Contractor(s)

Contractor(s) Environmental Awareness	Yes / No	Actions Required <i>Followed EMP</i>	Contractor Response / Comment <i>Will follow instruction</i>
Contractor(s) aware of mitigation requirements?	Yes	No.	
Contractor(s) have a copy of EMP?	Yes	No.	

#### 2. 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:	
						Executing Agency	
Safety risks due to presence of UXO	Yes	1	No	No	No	Yes	MRD
Mechanism to address environmental complaints	Yes	1	No	No	No	Yes	MRD
Siting of quarry and borrow areas could cause damage to ecologically sensitive sites, productive land and nuisance to sensitive receptors	Yes	2	No (Ongoing)	No.	No	Yes	MRD
Siting of various project facilities could adversely affect sensitive receptors (residential areas, etc.) due to dust emission, wastewater generation, etc.	Yes	2	-Dust emission at some section along the road site	-More sprinkling water regularly	Will followed instruction	Yes	MRD
Climate change and hydrological impacts	Yes	1	Non	No	No	Yes	MRD
Disruption to community utilities	Yes	1	-No any disruption to community utilities	No	No	Yes	MRD

Archeological Chance Finds.	Yes	1	-No Archeological found during excavation	No	No	Yes	MRD
Air pollution due to elevated levels of dust and gaseous Emissions	Yes	3	-Dust when surface dry	-More sprinkling water regularly	Will followed instruction	Yes	MRD
Elevated noise and vibration levels that could cause nuisance and damage to properties	Yes	1	-No noise and vibration caused to damage properties	No	No	Yes	MRD
Improper handling and disposal of wastes could cause odor and vermin problems, pollution and flow obstruction of nearby water courses and could negatively impact the landscape	Yes	2	-Base camps	Cleaning of plastic waste and put garbage bin	Will followed instruction	Yes	MRD
Operation of these facilities will generate solid and liquid wastes and if improperly handled, these could cause health problems and pollution.	Yes	3	No	No	No	Yes	MRD
Operation of quarry and borrow sites could cause adverse impacts to surface water quality, elevated dust emission during excavation siltation of nearby water courses, damage to productive land and ecologically sensitive areas and pose health and safety risks.	Yes	1	No	No	No	Yes	MRD
Pollution and safety risks due to use of hazardous materials and disposal of hazardous wastes	Yes	3	-Hazardous materials are not kept safety in camp site	-Keep hazardous materials at safe place separately	Will followed instruction	Yes	MRD
Safety risks to workers and the public	Yes	4	-Not enough safety signs.	-Install more safety signs at construction site	Will followed instruction	Yes	MRD
Improper spoils disposal could cause deterioration of water quality, damage to productive land and flow obstruction of water courses.	Yes	1	No	No	No	Yes	MRD
Bridge repair and replacement could cause obstruction of river flow and deterioration of water quality due to siltation	Yes	1	No	No	No	Yes	MRD
Damage to community utilities such as water supply pipes, irrigation canals, drainage, etc. may occur during construction activities.	Yes	1	No	No	No	Yes	MRD
Deterioration of Surface water quality, flooding and flow obstruction of watercourses	Yes	1	No	No	No	Yes	MRD
Traffic disruption and obstruction of access to roadside properties	Yes	1	No	No	No	Yes	MRD
Soil erosion	Yes	1	No	No	No	Yes	MRD

Impacts to flora and fauna	Yes	1	No	No	No	Yes	MRD
Health and safety risks to workers and the public	Yes	3	-Not enough traffic signs at construction site	-Install more safety signs at construction site	Will followed instruction	Yes	MRD
Social conflicts	Yes	1	No	No	No	Yes	MRD

\* Mitigation Effectiveness Rating Criteria (Indicative examples)

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

### 3. Emission Discharge Monitoring (if relevant)

Parameter	Date / Location	Measured by	Monitoring Equipment	Result	Standard	% Exceedance	Action Required	Contractor Responses / Comments	Endorsed by:	
<i>Not Relevant</i>									Executing Agency	
									Yes	MRD

### 4. Ambient Monitoring (if relevant)

Parameter	Date / Location	Measured by	Monitoring Equipment	Result	Standard	% Exceedance	Action Required	Contractor Responses / Comments	Endorsed by:	
<i>Not Relevant</i>									Executing Agency	
									Yes	MRD

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

Environmental Incidents Being Reported (Enter "None" if None)						
Environmental Incidents (accidents, spills, complaint)	Date / Location	Reported by	Description / Location	Action Taken	Further Action Required	Endorsed by:
						Executing Agency
						Yes
No incidents.						MRD

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

Action Required	Time frame (e.g. within one week)	Responsible Parties	Follow-up (to be completed if inspection/monitoring indicates actions are required)
1-Borrow pit should be reinstated and cleaned after use. (TBK2)	Within three months	Contractor	Required Action Taken:
2- Keep hazardous material garbage in separate place at the camp site (TBK2)	Within one month	Contractor	Effectiveness:
3. Water containers should be covered (TBK2)	Within two months	Contractor	Further Action Required?
4. Install fence and anti-spill facility at the bottom for fuel tank (TBK5)	Within two months	Contractor	Prepared by: National Environmental Specialist/SEO
Date: 28 June 2021			

**Inspection Completed by:** Mr. Chhun Sophea, SEO Environment Officer  
Mr. Hang Sophal, National Environment Specialist

Date: 28 June 2021

**Signature:**



**Endorsed By:** **Project Manager:** Song Sophal, Project Management Unit, MRD

**Signature:**



**Notes:**

**Attachments:**

(photographs)



## 2. Photographs of Monitoring (Contract CW-B1)

ROAD No.	Monitoring Photos	
TBK2		
	Project information board installed at beginning point of project road	Borrow pits were not reinstated and cleaned.
TBK2		
	Oil drum and tires are not kept separately.	Water container does not have cover..

ROAD No.	Monitoring Photos	
TBK5		
	Project information board installed at beginning point of project road	Contractor rented living quarter for workers.
TBK5		
	There is no fence at fuel tank and no platform for spill of fuel.	Borrow pit is well drained and nicely graded during excavation.

### Appendix 3. Environment Monitoring Report (Contract CW-C1)

#### 1. Site Environmental Compliance Inspection and Monitoring

Project: Rural Road Improvement Project III Executing Agency : Ministry of Rural Development  
 Sub-Project: Contract CW-C1 Environment Monitoring : Social and Environment Office  
 Location: Prey Veng province : National Environment Specialist  
 Date: 24 June 2021 Contractor(s) : Banteay Srei Engineering & Construction Co. LTD  
 Reporting Period: 1January -30 June 2021 Implementation Phase : Ongoing Construction

#### 1. Contractor(s)

Contractor(s) Environmental Awareness	Yes / No	Actions Required Followed EMP	Contractor Response / Comment Will follow instruction
Contractor(s) aware of mitigation requirements?	Yes	No.	
Contractor(s) have a copy of EMP?	Yes	No.	

#### 2. 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:	
						Executing Agency	
Safety risks due to presence of UXO	Yes	1	No	No	No	Yes	MRD
Mechanism to address environmental complaints	Yes	1	No	No	No	Yes	MRD
Siting of quarry and borrow areas could cause damage to ecologically sensitive sites, productive land and nuisance to sensitive receptors	Yes	2	No (Ongoing)	No.	No	Yes	MRD
Siting of various project facilities could adversely affect sensitive receptors (residential areas, etc.) due to dust emission, wastewater generation, etc.	Yes	3	-Dust emission at some section along the road site	-More sprinkling water regularly	Will followed instruction	Yes	MRD
Climate change and hydrological impacts	Yes	1	Non	No	No	Yes	MRD
Disruption to community utilities	Yes	1	-No any disruption to community utilities	No	No	Yes	MRD



Archeological Chance Finds.	Yes	1	-No Archeological found during excavation	No	No	Yes	MRD
Air pollution due to elevated levels of dust and gaseous Emissions	Yes	3	-Dust when surface dry	-More sprinkling water regularly	Will followed instruction	Yes	MRD
Elevated noise and vibration levels that could cause nuisance and damage to properties	Yes	1	-No noise and vibration caused to damage properties	No	No	Yes	MRD
Improper handling and disposal of wastes could cause odor and vermin problems, pollution and flow obstruction of nearby water courses and could negatively impact the landscape	Yes	3	-Base camps	Cleaning of plastic waste and put garbage bin	Will followed instruction	Yes	MRD
Operation of these facilities will generate solid and liquid wastes and if improperly handled, these could cause health problems and pollution.	Yes	3	No	No	No	Yes	MRD
Operation of quarry and borrow sites could cause adverse impacts to surface water quality, elevated dust emission during excavation siltation of nearby water courses, damage to productive land and ecologically sensitive areas and pose health and safety risks.	Yes	1	No	No	No	Yes	MRD
Pollution and safety risks due to use of hazardous materials and disposal of hazardous wastes	Yes	4	-Hazardous materials are not kept safety in camp site	-Keep hazardous materials at safe place separately	Will followed instruction	Yes	MRD
Safety risks to workers and the public	Yes	3	-Not enough safety signs.	-Install more safety signs at construction site	Will followed instruction	Yes	MRD
Improper spoils disposal could cause deterioration of water quality, damage to productive land and flow obstruction of water courses.	Yes	1	No	No	No	Yes	MRD
Bridge repair and replacement could cause obstruction of river flow and deterioration of water quality due to siltation	Yes	1	No	No	No	Yes	MRD
Damage to community utilities such as water supply pipes, irrigation canals, drainage, etc. may occur during construction activities.	Yes	1	No	No	No	Yes	MRD
Deterioration of Surface water quality, flooding and flow obstruction of watercourses	Yes	1	No	No	No	Yes	MRD
Traffic disruption and obstruction of access to roadside properties	Yes	1	No	No	No	Yes	MRD
Soil erosion	Yes	1	No	No	No	Yes	MRD

Impacts to flora and fauna	Yes	1	No	No	No	Yes	MRD
Health and safety risks to workers and the public	Yes	3	-Not enough traffic signs at construction site	-Install more safety signs at construction site	Will followed instruction	Yes	MRD
Social conflicts	Yes	1	No	No	No	Yes	MRD

\* Mitigation Effectiveness Rating Criteria (Indicative examples)

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

### 3. Emission Discharge Monitoring (if relevant)

Parameter	Date / Location	Measured by	Monitoring Equipment	Result	Standard	% Exceedance	Action Required	Contractor Responses / Comments	Endorsed by:	
<i>Not Relevant</i>									Executing Agency	MRD
									Yes	

### 4. Ambient Monitoring (if relevant)

Parameter	Date / Location	Measured by	Monitoring Equipment	Result	Standard	% Exceedance	Action Required	Contractor Responses / Comments	Endorsed by:	
<i>Not Relevant</i>									Executing Agency	MRD
									Yes	

### 5. 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:	
<i>No incidents.</i>						Executing Agency	MRD
						Yes	

# 6. Environmental Incidents During Reporting Period (If relevant)

Environmental Incidents During Reporting Period (if any)							
Environmental Incidents (accidents, spills, complaint)	Date / Location	Reported by	Description / Location	Action Taken	Further Action Required	Endorsed by:	
						Executing Agency	
						Yes	MRD
No incidents.							

# 7. Summary of Actions Required and Follow-up (If relevant)

Action Required	Time frame (e.g. within one week)	Responsible Parties	Follow-up (to be completed if inspection/monitoring indicates actions are required)
1-Install project information sign (PV3).	Within one month	Contractor/	Required Action Taken:
2- Install warning sign at pipe culvert working site (PV3)	Within one month	Contractor/	Effectiveness:
3- Provide cover, boundary fence and Anti- spill facility at the bottom for fuel tank (PV3)	Within two months	Contractor/	Further Action Required?
4- Keep garbage in proper dust bins at the camp sites	Within one month	Contractor/ DDIS Consultant	Prepared by: SEO Environment Officer National Environmental Specialist/SEO
Date: 28 June 2021			

Inspection Completed by: Mr. Chhun Sophea, SEO Environment Officer  
Mr. Hang Sopha, National Environment Specialist

Date: 28 June 2021

Signature:



Endorsed By: Project Manager: Song Sopha, Project Management Unit, MRD

Signature:





Notes:

Attachments:

(photographs)

**2. Photographs of Monitoring (Contract CW-C1) : Only PV3 road were in operation.**

ROAD No.	Monitoring Photos	
PV3		
	Project information board was assembled to install at beginning point of project road	At pipe culvert working site, the contractor made only earth barrier and no safety signs.
PV3		
	Fuel tank was not covered and no facility to prohibit fuel spill to the ground.	There is no proper collection of garbage.

ROAD No.	Monitoring Photos	
PV3		
	Water container does not have cover..	Borrow pit was closed due to flodding.

## Appendix 4. Environment Monitoring Report (Contract CW-C2)

### 1. Site Environmental Compliance Inspection and Monitoring

Project: Rural Road Improvement Project III Executing Agency : Ministry of Rural Development  
 Sub-Project: Contract CW-C2 Environment Monitoring : Social and Environment Office  
 Location: Prey Veng province : National Environment Specialist  
 Date: 24 June 2021 Contractor(s) : Banteay Srei Engineering & Construction Co. LTD  
 Reporting Period: 1 January -30 June 2021 Implementation Phase : Ongoing Construction

#### 1. Contractor(s)

Contractor(s) Environmental Awareness	Yes / No	Actions Required Followed EMP	Contractor Response / Comment Will follow instruction
Contractor(s) aware of mitigation requirements?	Yes	No.	
Contractor(s) have a copy of EMP?	Yes	No.	

#### 2. 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:	
						Executing Agency	
Safety risks due to presence of UXO	Yes	1	No	No	No	Yes	MRD
Mechanism to address environmental complaints	Yes	1	No	No	No	Yes	MRD
Siting of quarry and borrow areas could cause damage to ecologically sensitive sites, productive land and nuisance to sensitive receptors	Yes	1	No (closed)	No.	No	Yes	MRD
Siting of various project facilities could adversely affect sensitive receptors (residential areas, etc.) due to dust emission, wastewater generation, etc.	Yes	2	No	No	No	Yes	MRD
Climate change and hydrological impacts	Yes	1	Non	No	No	Yes	MRD

Disruption to community utilities	Yes	1	-No any disruption to community utilities	No	No	Yes	MRD
Archeological Chance Finds.	Yes	1	-No Archeological found during excavation	No	No	Yes	MRD
Air pollution due to elevated levels of dust and gaseous Emissions	Yes	1	No.	No	No	Yes	MRD
Elevated noise and vibration levels that could cause nuisance and damage to properties	Yes	1	No.	No	No	Yes	MRD
Improper handling and disposal of wastes could cause odor and vermin problems, pollution and flow obstruction of nearby water courses and could negatively impact the landscape	Yes	1	No	No	No	Yes	MRD
Operation of these facilities will generate solid and liquid wastes and if improperly handled, these could cause health problems and pollution.	Yes	4	No	No	No	Yes	MRD
Operation of quarry and borrow sites could cause adverse impacts to surface water quality, elevated dust emission during excavation siltation of nearby water courses, damage to productive land and ecologically sensitive areas and pose health and safety risks.	Yes	1	No	No	No	Yes	MRD
Pollution and safety risks due to use of hazardous materials and disposal of hazardous wastes	Yes	2	No	No	No	Yes	MRD
Safety risks to workers and the public	Yes	2	No	No	No	Yes	MRD
Improper spoils disposal could cause deterioration of water quality, damage to productive land and flow obstruction of water courses.	Yes	1	No	No	No	Yes	MRD
Bridge repair and replacement could cause obstruction of river flow and deterioration of water quality due to siltation	Yes	1	No	No	No	Yes	MRD
Damage to community utilities such as water supply pipes, irrigation canals, drainage, etc. may occur during construction activities.	Yes	1	No	No	No	Yes	MRD
Deterioration of Surface water quality, flooding and flow obstruction of watercourses	Yes	1	No	No	No	Yes	MRD

Traffic disruption and obstruction of access to roadside properties	Yes	1	No	No	No	Yes	MRD
Soil erosion	Yes	1	No	No	No	Yes	MRD
Impacts to flora and fauna	Yes	1	No	No	No	Yes	MRD
Health and safety risks to workers and the public	Yes	2	-Not enough traffic signs at construction site	-Install more safety signs at construction site	Will followed instruction	Yes	MRD
Social conflicts	Yes	1	No	No	No	Yes	MRD

\* Mitigation Effectiveness Rating Criteria (Indicative examples)

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

### 3. Emission Discharge Monitoring (if relevant)

Parameter	Date / Location	Measured by	Monitoring Equipment	Result	Standard	% Exceedance	Action Required	Contractor Responses / Comments	Endorsed by:
Not Relevant									Executing Agency Yes MRD

### 4. Ambient Monitoring (if relevant)

Parameter	Date / Location	Measured by	Monitoring Equipment	Result	Standard	% Exceedance	Action Required	Contractor Responses / Comments	Endorsed by:
Not Relevant									Executing Agency Yes MRD



# 6. 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:	
						Executing Agency	
No incidents.						Yes	MRD

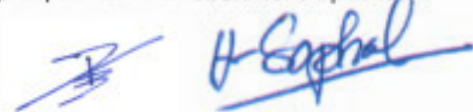
# 6. Summary of Actions Required and Follow-up (if relevant)

Action Required	Time frame (e.g. within one week)	Responsible Parties	Follow-up
			(to be completed if inspection/monitoring indicates actions are required)
1- Provide cover, boundary fence and Anti- spill facility at the bottom for fuel tank (PV5)	Within one month	Contractor/ DDIS consultant	Required Action Taken:
			Effectiveness:
			Further Action Required?
			Prepared by: National Environmental Specialist/SEO
			Date: 28 June 2021

Inspection Completed by: Mr. Chhun Sophea, SEO Environment Officer  
Mr. Hang Sophal, National Environment Specialist

Date: 28 June 2021

Signature:



Endorsed By: Project Manager: Seng Sophal, Project Management Unit, MRD  
Signature:



Notes:

Attachments:  
(photographs)

## 2. Photographs of Monitoring (Contract CW-C2)

ROAD No.	Monitoring Photos	
PV2		
	Project information board was installed at the beginning point of project road	Borrow pit was closed and flooded during wet season.
PV5		
	Project information board was installed at the beginning point of project road	Fuel tank should be separated by boundary fence and facility to prohibit fuel spill.

## Appendix 5. Environment Monitoring Report (Contract CW-C3)

### 1. Site Environmental Compliance Inspection and Monitoring

Project: Rural Road Improvement Project III Executing Agency : Ministry of Rural Development  
 Sub-Project: Contract CW-C3 Environment Monitoring : Social and Environment Office  
 Location: Prey Veng province : National Environment Specialist  
 Date: 24 June 2021 Contractor(s) : Bore Khmer Construction Development Co. LTD  
 Reporting Period: 1 January -30 June 2021 Implementation Phase : Ongoing Construction

#### 1. Contractor(s)

Contractor(s) Environmental Awareness	Yes / No	Actions Required <i>Followed EMP</i>	Contractor Response / Comment <i>Will follow instruction</i>
Contractor(s) aware of mitigation requirements?	Yes	No.	
Contractor(s) have a copy of EMP?	Yes	No.	

#### 2. 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:	
						Executing Agency	
Safety risks due to presence of UXO	Yes	1	No	No	No	Yes	MRD
Mechanism to address environmental complaints	Yes	1	No	No	No	Yes	MRD
Siting of quarry and borrow areas could cause damage to ecologically sensitive sites, productive land and nuisance to sensitive receptors	Yes	1	No (Ongoing)	No.	No	Yes	MRD
Siting of various project facilities could adversely affect sensitive receptors (residential areas, etc.) due to dust emission, wastewater generation, etc.	Yes	1	-Dust emission at some section along the road site	-More sprinkling water regularly	Will followed instruction	Yes	MRD

Climate change and hydrological impacts	Yes	1	Non	No	No	Yes	MRD
Disruption to community utilities	Yes	1	-No any disruption to community utilities	No	No	Yes	MRD
Archeological Chance Finds.	Yes	1	-No Archeological found during excavation	No	No	Yes	MRD
Air pollution due to elevated levels of dust and gaseous Emissions	Yes	1	-Dust when surface dry	-More sprinkling water regularly	Will followed instruction	Yes	MRD
Elevated noise and vibration levels that could cause nuisance and damage to properties	Yes	1	-No noise and vibration caused to damage properties	No	No	Yes	MRD
Improper handling and disposal of wastes could cause odor and vermin problems, pollution and flow obstruction of nearby water courses and could negatively impact the landscape	Yes	2	No	No	No	Yes	MRD
Operation of these facilities will generate solid and liquid wastes and if improperly handled, these could cause health problems and pollution.	Yes	2	No	No	No	Yes	MRD
Operation of quarry and borrow sites could cause adverse impacts to surface water quality, elevated dust emission during excavation siltation of nearby water courses, damage to productive land and ecologically sensitive areas and pose health and safety risks.	Yes	1	No	No	No	Yes	MRD
Pollution and safety risks due to use of hazardous materials and disposal of hazardous wastes	Yes	1	-Hazardous materials are not kept safety in camp site	-Keep hazardous materials at safe place separately	Will followed instruction	Yes	MRD
Safety risks to workers and the public	Yes	2	-Not enough safety signs.	-Install more safety signs at construction site	Will followed instruction	Yes	MRD
Improper spoils disposal could cause deterioration of water quality, damage to productive land and flow obstruction of water courses.	Yes	1	No	No	No	Yes	MRD
Bridge repair and replacement could cause obstruction of river flow and deterioration of water quality due to siltation	Yes	1	No	No	No	Yes	MRD
Damage to community utilities such as water supply pipes, irrigation canals, drainage, etc. may occur during construction activities.	Yes	1	No	No	No	Yes	MRD

Deterioration of Surface water quality, flooding and flow obstruction of watercourses	Yes	1	No	No	No	Yes	MRD
Traffic disruption and obstruction of access to roadside properties	Yes	1	No	No	No	Yes	MRD
Soil erosion	Yes	1	No	No	No	Yes	MRD
Impacts to flora and fauna	Yes	1	No	No	No	Yes	MRD
Health and safety risks to workers and the public	Yes	2	No.	No.	No.	Yes	MRD
Social conflicts	Yes	1	No	No	No	Yes	MRD

\* 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)

### 3. Emission Discharge Monitoring (if relevant)

Parameter	Date / Location	Measured by	Monitoring Equipment	Result	Standard	% Exceedance	Action Required	Contractor Responses / Comments	Endorsed by:
<i>Not Relevant</i>									Executing Agency Yes MRD

### 4. Ambient Monitoring (if relevant)

Parameter	Date / Location	Measured by	Monitoring Equipment	Result	Standard	% Exceedance	Action Required	Contractor Responses / Comments	Endorsed by:
<i>Not Relevant</i>									Executing Agency Yes MRD

**5. 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:	
						Executing Agency	
No incidents.						Yes	MRD

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

Action Required	Time frame (e.g. within one week)	Responsible Parties	Follow-up
			(to be completed if inspection/monitoring indicates actions are required)
1-Make wider camp entrance and grade parking space of camp site.	Within two months	Contractor/ ODIS consultant	Required Action Taken:
			Effectiveness:
			Further Action Required?
			Prepared by: National Environmental Specialist/SEO
			Date: 28 June 2021

Inspection Completed by: Mr. Chhun Sophea, SEO Environment Officer  
Mr. Hang Sophal, National Environment Specialist

Date: 29 June 2021

Signature:

Endorsed By: Project Manager: Song Sophal, Project Management Unit, MRD

Signature:

Notes:

Attachments:  
(photographs)



## 2. Photographs of Monitoring (Contract CW-C3)

ROAD No.	Monitoring Photos	
PV4		
	Project information board was installed at the beginning point of project road	Entrance to base camp should be properly graded.
PV5		
	Garbage is collected in a small dust bin. Black plastic bag should be used for collection and disposal.	Borrow pit was closed due to flooding during wet season.

## Appendix 6. Environment Monitoring Report (Contract CW-D)

### 1. Site Environmental Compliance Inspection and Monitoring

Project: Rural Road Improvement Project III Executing Agency : Ministry of Rural Development  
 Sub-Project: Contract CW-B1 Environment Monitoring : Social and Environment Office  
 Location: Svay Rieng province : National Environment Specialist  
 Date: 22-23 June 2021 Contractor(s) : Tan Kim Eng Co., LTD  
 Reporting Period: 1 January -30 June 2021 Implementation Phase : Ongoing Construction

#### 1. Contractor(s)

Contractor(s) Environmental Awareness	Yes / No	Actions Required <i>Followed EMP</i>	Contractor Response / Comment <i>Will follow instruction</i>
Contractor(s) aware of mitigation requirements?	Yes	No.	
Contractor(s) have a copy of EMP?	Yes	No.	

#### 2. 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:	
						Executing Agency	
Safety risks due to presence of UXO	Yes	1	No	No	No	Yes	MRD
Mechanism to address environmental complaints	Yes	1	No	No	No	Yes	MRD
Siting of quarry and borrow areas could cause damage to ecologically sensitive sites, productive land and nuisance to sensitive receptors	Yes	1	No (Ongoing)	No.	No	Yes	MRD
Siting of various project facilities could adversely affect sensitive receptors (residential areas, etc.) due to dust emission, wastewater generation, etc.	Yes	1	-Dust emission at some section along the road site	-More sprinkling water regularly	Will followed instruction	Yes	MRD
Climate change and hydrological impacts	Yes	1	Non	No	No	Yes	MRD



Disruption to community utilities	Yes	1	-No any disruption to community utilities	No	No	Yes	MRD
Archeological Chance Finds.	Yes	1	-No Archeological found during excavation	No	No	Yes	MRD
Air pollution due to elevated levels of dust and gaseous Emissions	Yes	1	-Dust when surface dry	-More sprinkling water regularly	Will followed instruction	Yes	MRD
Elevated noise and vibration levels that could cause nuisance and damage to properties	Yes	1	-No noise and vibration caused to damage properties	No	No	Yes	MRD
Improper handling and disposal of wastes could cause odor and vermin problems, pollution and flow obstruction of nearby water courses and could negatively impact the landscape	Yes	2	-Base camps	Cleaning of plastic waste and put garbage bin	Will followed instruction	Yes	MRD
Operation of these facilities will generate solid and liquid wastes and if improperly handled, these could cause health problems and pollution.	Yes	4	No	No	No	Yes	MRD
Operation of quarry and borrow sites could cause adverse impacts to surface water quality, elevated dust emission during excavation siltation of nearby water courses, damage to productive land and ecologically sensitive areas and pose health and safety risks.	Yes	1	No	No	No	Yes	MRD
Pollution and safety risks due to use of hazardous materials and disposal of hazardous wastes	Yes	2	-Hazardous materials are not kept safety in camp site	-Keep hazardous materials at safe place separately	Will followed instruction	Yes	MRD
Safety risks to workers and the public	Yes	3	-Not enough safety signs.	-Install more safety signs at construction site	Will followed instruction	Yes	MRD
Improper spoils disposal could cause deterioration of water quality, damage to productive land and flow obstruction of water courses.	Yes	1	No	No	No	Yes	MRD
Bridge repair and replacement could cause obstruction of river flow and deterioration of water quality due to siltation	Yes	1	No	No	No	Yes	MRD
Damage to community utilities such as water supply pipes, irrigation canals, drainage, etc. may occur during construction activities.	Yes	1	No	No	No	Yes	MRD
Deterioration of Surface water quality, flooding and flow obstruction of watercourses	Yes	1	No	No	No	Yes	MRD
Traffic disruption and obstruction of access to roadside properties	Yes	1	No	No	No	Yes	MRD

Soil erosion	Yes	1	No	No	No	Yes	MRD
Impacts to flora and fauna	Yes	1	No	No	No	Yes	MRD
Health and safety risks to workers and the public	Yes	3	-Not enough traffic signs at construction site	-Install more safety signs at construction site	Will followed instruction	Yes	MRD
Social conflicts	Yes	1	No	No	No	Yes	MRD

\* 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)

### 3. Emission Discharge Monitoring (if relevant)

Parameter	Date / Location	Measured by	Monitoring Equipment	Result	Standard	% Exceedance	Action Required	Contractor Responses / Comments	Endorsed by:
<i>Not Relevant</i>									Executing Agency
									Yes MRD

### 4. Ambient Monitoring (if relevant)

Parameter	Date / Location	Measured by	Monitoring Equipment	Result	Standard	% Exceedance	Action Required	Contractor Responses / Comments	Endorsed by:
<i>Not Relevant</i>									Executing Agency
									Yes MRD

**6. 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:	
						Executing Agency	
						Yes	MRD
No incidents.							

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

Action Required	Time frame (e.g. within one week)	Responsible Parties	Follow-up (to be completed if inspection/monitoring indicates actions are required)
1-Install boundary fence and anti-spill facility in the bottom. (SVR2 and SVR3)	Within two months	Contractor	Required Action Taken:
2. Install safety line along earthwork working site (SVR3 and SVR5)	Within one week	Contractor	Effectiveness:
3. Make a separate stock room and keep hazardous material. (SVR3)	Within two months	Contractor	Further Action Required?
Prepared by: National Environmental Specialist/SEO			
Date: 29 June 2021			

Inspection Completed by: Mr. Chhun Sophea, SEO Environment Officer  
Mr. Heng Sopha, National Environment Specialist

Date: 29 June 2021

Signature:

Endorsed By: Project Manager: Song Sopha, Project Management Unit, MRD

Signature:

Notes:

Attachments:



(photographs)

## 2. Photographs of Monitoring (Contract CW-D)

ROAD No.	Monitoring Photos	
SVR2	 <p>Project information board installed at beginning point of project road</p>	 <p>Fuel tank was not separated by boundary fence.</p>
SVR3	 <p>Project information board installed at beginning point of project road.</p>	 <p>Earthworks was done without safety signs.</p>

ROAD No.	Monitoring Photos	
SVR3		
	Fuel tank was not separated by boundary fence.	Fuel containers should be stored at separate stock room with fence.
SVR4		
	Project information board installed at beginning point of project road..	Water spray was done frequently to avoid dust.



ROAD No.	Monitoring Photos	
SVR5		
		Embankment was ongoing without proper safety line.
SVR4		

## Appendix 7. Environment Monitoring Report (Contract CW-E)

### 1. Site Environmental Compliance Inspection and Monitoring

Project: Rural Road Improvement Project III Executing Agency : Ministry of Rural Development  
 Sub-Project: Contract CW-E Environment Monitoring : Social and Environment Office  
 Location: Kratie province : National Environment Specialist  
 Date: 15-16 June 2021 Contractor(s) : Beng Meng Group Co., LTD  
 Reporting Period: 1January -30 June 2021 Implementation Phase : Construction Stage

#### 1. Contractor(s)

Contractor(s) Environmental Awareness	Yes / No	Actions Required <i>Followed EMP</i>	Contractor Response / Comment <i>Will follow instruction</i>
Contractor(s) aware of mitigation requirements?	Yes	No.	
Contractor(s) have a copy of EMP?	Yes	No.	

#### 2. 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:	
						Executing Agency	
Safety risks due to presence of UXO	Yes	1	No	No	No	Yes	MRD
Mechanism to address environmental complaints	Yes	1	No	No	No	Yes	MRD
Siting of quarry and borrow areas could cause damage to ecologically sensitive sites, productive land and nuisance to sensitive receptors	Yes	1	No (Ongoing)	No.	No	Yes	MRD
Siting of various project facilities could adversely affect sensitive receptors (residential areas, etc.) due to dust emission, wastewater generation, etc.	Yes	2	-Dust emission at some section along the road site	-More sprinkling water regularly	Will followed instruction	Yes	MRD
Climate change and hydrological impacts	Yes	1	Non	No	No	Yes	MRD

Disruption to community utilities	Yes	1	-No any disruption to community utilities	No	No	Yes	MRD
Archeological Chance Finds.	Yes	1	-No Archeological found during excavation	No	No	Yes	MRD
Air pollution due to elevated levels of dust and gaseous Emissions	Yes	2	-Dust when surface dry	-More sprinkling water regularly	Will followed instruction	Yes	MRD
Elevated noise and vibration levels that could cause nuisance and damage to properties	Yes	1	-No noise and vibration caused to damage properties	No	No	Yes	MRD
Improper handling and disposal of wastes could cause odor and vermin problems, pollution and flow obstruction of nearby water courses and could negatively impact the landscape	Yes	3	-Base camps	Cleaning of plastic waste and put garbage bin	Will followed instruction	Yes	MRD
Operation of these facilities will generate solid and liquid wastes and if improperly handled, these could cause health problems and pollution.	Yes	3	- Fuel At the base camp site	Provide dust bins and plastic bags at the several place in the camp.	Will followed instruction	Yes	MRD
Operation of quarry and borrow sites could cause adverse impacts to surface water quality, elevated dust emission during excavation siltation of nearby water courses, damage to productive land and ecologically sensitive areas and pose health and safety risks.	Yes	1	No (There is no water stagnant)	No	No	Yes	MRD
Pollution and safety risks due to use of hazardous materials and disposal of hazardous wastes	Yes	4	-Hazardous materials are not kept safety in camp site.	-Keep hazardous materials at safe place separately	Will followed instruction	Yes	MRD
Safety risks to workers and the public	Yes	4	-Not enough safety signs/ structure working site	-Install more safety signs at construction site	Will followed instruction	Yes	MRD
Improper spoils disposal could cause deterioration of water quality, damage to productive land and flow obstruction of water courses.	Yes	1	No	No	No	Yes	MRD
Bridge repair and replacement could cause obstruction of river flow and deterioration of water quality due to siltation	Yes	1	No	No	No	Yes	MRD
Damage to community utilities such as water supply pipes, irrigation canals, drainage, etc. may occur during construction activities.	Yes	1	No	No	No	Yes	MRD
Deterioration of Surface water quality, flooding and flow obstruction of watercourses	Yes	1	No	No	No	Yes	MRD



Traffic disruption and obstruction of access to roadside properties	Yes	1	No	No	No	Yes	MRD
Soil erosion	Yes	1	No	No	No	Yes	MRD
Impacts to flora and fauna	Yes	1	No	No	No	Yes	MRD
Health and safety risks to workers and the public	Yes	3	No	No	No	Yes	MRD
Social conflicts	Yes	1	No	No	No	Yes	MRD

\* 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)

### 3. Emission Discharge Monitoring (if relevant)

Parameter	Date / Location	Measured by	Monitoring Equipment	Result	Standard	% Exceedance	Action Required	Contractor Responses / Comments	Endorsed by:
<i>Not Relevant</i>									Executing Agency
									Yes MRD

### 4. Ambient Monitoring (if relevant)

Parameter	Date / Location	Measured by	Monitoring Equipment	Result	Standard	% Exceedance	Action Required	Contractor Responses / Comments	Endorsed by:
<i>Not Relevant</i>									Executing Agency
									Yes MRD

**5. 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:	
						Executing Agency	
No incidents.						Yes	MRD

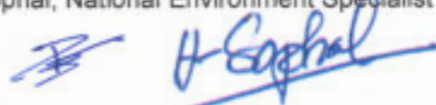
**6. Summary of Actions Required and Follow-up (if relevant)**

Action Required	Time frame (e.g. within one week)	Responsible Parties	Follow-up
			(to be completed if inspection/monitoring indicates actions are required)
1- Provide cover, boundary fence and Anti-spill facility at the bottom	Within two months	Contractor	Required Action Taken:
2- Repair stock facility to be tightly secured for hazardous material	Within two months	Contractor	Effectiveness:
3. Install warning sign and safety line at the structure working site.	Within one month	Contractor	Further Action Required?
4- Put cover on water containers (base camp)	Within one month	Contractor	Prepared by: National Environmental Specialist/SEO
5- Provide dustbins to collect and dispose garbage (base camp)	Within one month	Contractor	Date: 29 June 2021

**Inspection Completed by:** Mr. Chhun Sophea, SEO Environment Officer  
Mr. Hang Sophal, National Environment Specialist

Date: 29 June 2021

**Signature:**



**Endorsed By:** **Project Manager:** Song Sophal, Project Management Unit, MRD  
**Signature:**



**Notes:**

**Attachments:**

(photographs)

## 2. Photographs of Monitoring (Contract CW-E)

ROAD No.	Monitoring Photos	
KRT1		
	Project information board installed at beginning point of project road	Subbase borrow pit was in operation.
		
	Fuel tank and oil drums were not separated from equipment and no boundary fence.	Hazardous material was kept in poor condition of shelter.

ROAD No.	Monitoring Photos	
SVR3		
	There was no safety sign at one side of pipe culvert and no safety line was installed.	Equipment parking was not in order.
SVR3		
	There were no covers for water containers.	Garbage collection was poor and no dust bin was used.

## **APPENDIX 8 GRM LOG BOOK**



ព្រះរាជាណាចក្រកម្ពុជា  
ជាតិ សាសនា ព្រះមហាក្សត្រ



ក្រសួងអភិវឌ្ឍន៍ជនបទ

គម្រោងកែលម្អផ្លូវជនបទជំហានទី៣ (RRIP-III)

សៀវភៅ  
កត់ត្រាពាក្យបណ្តឹង

GRM Logbook

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៦.អ្នកប្តឹងតវ៉ា (ឈ្មោះ អាស័យដ្ឋានបច្ចុប្បន្ន លេខទូរសព្ទ អ៊ីម៉ែល)៖.....  
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៧.វិធីសាស្ត្របណ្តឹងតវ៉ា (ប្តឹងទៅ តាមរយៈអ្នកម៉ៅការ រឺតាមរយៈឃុំ/សង្កាត់)៖.....  
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៨.សកម្មភាពអន្តរាគមន៍របស់អង្គភាពគ្រប់គ្រងគម្រោង  
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៩.តាមដានសកម្មភាព និងកាលបរិច្ឆេទ  
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## ENGLISH TRANSLATION

Kingdom of Cambodia  
Nation Religion King



Ministry of Rural Development

RURAL ROADS IMPROVEMENT PROJECT (RRIP-III)

# GRM Logbook

Date..... Month..... Year.....

[illegible]

**5. The Date of Resolving**

First Time☺

Result☺.....

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Second Time☺

Result☺

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Third Time☺

Result☺

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**6. Complainant (Name, Address, Tel. &Email)☺.....**

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**7. Complaint Method Complaint through Contractor or Commune Administrative)☺.**

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**8. Intervention Activity of PMU**

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**9. Follow Up Activity and Date**

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## **APPENDIX 9**

### **Due Diligence Report for Additional Road SVR8**

Kingdom of Cambodia  
Nation Religion King



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

**Due Diligence Report on Social Safeguards**

for Additional Road-SVR-8, Svay Rieng Province

June 2021

Prepared by the Ministry of Rural Development



## ABBREVIATIONS

ADB	: Asian Development Bank
cm	: centimeter
CPF	: community participation framework
DBST	: double bituminous surface treatment
DED	: detailed engineering design
MRD	: Ministry of Rural Development
PDRD	: Provincial Department of Rural Development
km	: kilometer
M	: Meter
SEO	: Social and Environmental Officer
PK	: Point of Kilometer
RRIP III	: Rural Roads Improvement Project III

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In preparing any country program or strategy, financing any project, or by making any designation of or reference to a particular territory or geographic area in this document, the Asian Development Bank does not intend to make any judgments as to the legal or other status of any territory or area.



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## I. Context and Purpose of the Report

### A. Background

1. As one of the key features of the Government's poverty reduction strategy for the rural sector, the Asian Development Bank (ADB) will assist the Government of Cambodia to improve its rural road network by rehabilitating about 360 kilometer (km) of unpaved (laterite) rural roads to paved condition, double bituminous surface treatment (DBST). There will be 22 roads located in five provinces that will pass through 20 districts of Cambodia expected to benefit about 605,200 populations (189,392 populations along the village of project roads).

2. This proposed project, covering up to 22 rural roads, will continue and expand previously approved two projects funded by the ADB, namely the Rural Roads Improvement Project (RRIP) II and RRIP II Additional Financing (Loan 3151) which also built on RRIP initiative Loan 2670. As one activity of implementation supervision consulting services under Loan 2670, it was planned to design the proposed project to enhance ownership and capacity development of the Ministry of Rural Development (MRD), to build upon lessons learned in all outputs, and for a seamless continuation of initiatives between the two projects.

3. The design of the project roads is based on lessons learned from the two projects of RRIP and RRIP II: (i) the pavement of the project roads consists of at least 20 centimeters (cm) thickness of granular sub-base course layer in order to reinforce subsoil stability; (ii) the aggregate base course layer should be at least 20 cm, which is the same standard as the national roads to adequately support long term road life; and (iii) the surface should be paved DBST, but in flood zones and market areas, a 20 cm thickness of reinforced concrete pavement is proposed together with drainage improvements.

### B. Purpose and Objective of the report

4. The project is designed to avoid any form of resettlement impacts and it is classified as **Category C** for Involuntary Resettlement impacts according to ADB Safeguard Policy Statement (2009). Due diligence needed to be carried out to confirm the land acquisition and involuntary resettlement impact status of additionally proposed road alignment (SVR8). The proposed road length for improvement is 13.4km traversing two (2) districts, namely: Svay Chrum and Kampong Rou in Svay Rieng Province, where proposed by MRD for ADB financing, see the project location map in the following figures.

5. MRD has prepared and submitted to ADB the Community Participation Framework in April 2018 (CPF) to guide the detailed design process to enable communities to participate in the design and implementation of the project. The CPF will also allow communities identifying and confirming cases of possible voluntary contribution or donation of very minor impacts should there still be such a need in case the detailed design will not allow adjustments on specific sections for safety reasons. These impacts, however are limited only to unproductive assets, such as shade trees/shrubs, moving back the mobile stalls, and/or without impact on livelihood, sheds/canopies etc. Moreover, the CPF stipulates that donations from vulnerable groups will not be accepted and minor affected assets such as fences, retainer and boundary walls will be assisted by the civil work contractor to its pre-existing shape, if possible.

6. This report has been prepared to assess the project impact in terms of land acquisition and resettlement impact. Its objective is to confirm that the project does not trigger ADB's Safeguard Policy Statement Safeguard Requirements 2 on involuntary resettlement or Safeguard Requirement 3 on Indigenous Peoples.

7. The report details the consultation process where the Grievance Redress Process was discussed with people living along the project roads. These consultations were to supplement those conducted during the Poverty and Social Assessment for the project. The report also provides details related to any potential design adjustment needed in sections of the rural roads, where potential minor impacts might be expected resulting from detailed design and based on the existing and proposed road widths.

## II. Status of the Proposed Roads

8. The proposed SVR8 road is existing laterite road that connects from one district to another district in Svay Rieng Province. The existing road width is 8.0m average which will not be expected to cause cause resettlement impact. The status of proposed road is shown in Table 1.

Table 1: Proposed Additional Road in Svay Rieng Province

Road No.	Length (km)	Existing Road		Proposed road	
		Width(m)	Surface	Width(m)	Pavement
SVR8	13.40	8.0m	Laterite	8.0m	DBST

9. The road alignment trace by Google Earth and the location map of project road are shown in Figure 1 and figure 2 respectively.



Figure 1: Road alignment trace by Google Earth

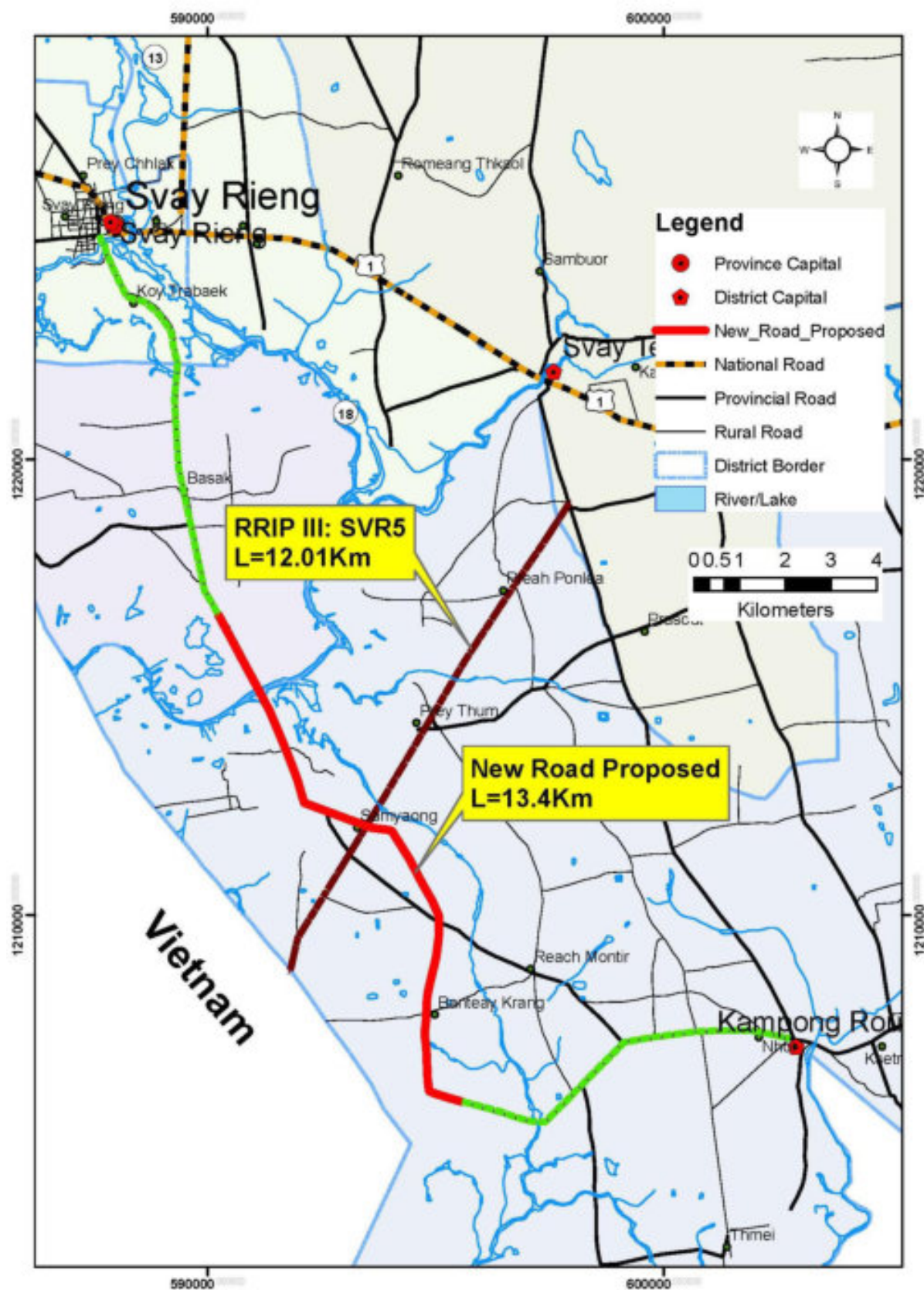


Figure 2: Location Map of project Road

### III. Approach for Assessing Resettlement Impacts

10. The additional road section was visited from 15–29 June 2021 with participation of Social and Environment Officer (SEO/MRD), Social Development/Safeguard Specialist of DDIS consultant and Technical engineer of PDRD Svay Rieng. Total of three (3) consultation meetings were held, first meeting in Samyaong commune on 15 June 2021, second meeting in Banteay Krang commune on 16 June 2021, and third meeting in Basak commune on 29 June 2021, respectively.









11. The sections where potential minor impact was expected due to its existing width, or the proposed width would have caused such impacts were measured together with the engineers and potential design adjustments to reduce the road width may be discussed and agreed.





12. **Field Visit and Measurement:** The field visit was made to additional road (SVR8) by a team composing the MRD SEO Resettlement officer, Svay Rieng PDRD and DDIS consultants.

- (i) The following summarizes the findings of the field visit along with the proposed road alignment of **SVR-8** (13.4km). **PK: 0+000 –1+000:** From the beginning Point of the road, 1 box culvert (width=6.60m, and length=9m), in Kaev Cheah village, Banteay Krang commune, Kampong Rou district, Svay Rieng province, there is no impact on resettlement as the road width is more than 8.0m.
  - (ii) **PK: 1+000 – 2+500:** Residential areas of Pra Chantrea village, Banteay Krang commune – small trees were seen along the road belong to villagers located far away from the road boundary. The trees are not valuable for money nor useable for firewood. The existing road width is 8.0m.
  - (iii) **PK: 2+500 – 5+500:** Residential areas of Banteay Krang village, Banteay Krang commune – The concrete pavement on the ground in front of Banteay Krang Commune Office is far away from the road centerline of 12m. One (1) cow stable is closed to the road, but outside the existing road width of 8.0m. No impact on the livelihood and resettlement.
  - (iv) **PK: 5+500 – 8+400:** At the RHS, there are a gate of Pagoda in Samyaong village at PK 5+500, the existing road width is 8.0m. At PK 8+400 there is Samyaong market with a bad muddy road around 100m length, this area is narrow road width of 7.0m;
  - (v) **PK: 8+500 – 9+500** – The existing road width is very wide with 14m. The road is on the existing canal about 1m deep at the RHS for the rice field.
  - (vi) **PK: 9+500 – 11+000** – This section is residential areas of Samyaong village, Samyaong commune. The existing road width is 7.5 – 8.0m. No impacts to any properties of the villagers was observed.
  - (vii) **PK: 11+00 – 12+300** – The road passes paddy field areas. The existing road width is about 7.0m and the RHS along the road is one canal, and at PK 12+300 there is one bridge of 75m length with 6.6m width, this bridge is in good condition;
  - (viii) **PK: 12+400 – 13+400** – The road end at PK13+400 in Bayab village, Basak commune, Svay Chrum district. No resettlement impact was observed.
13. Resettlement impact and Photos by road section are illustrated in the Table 2.



Table 2: Resettlement Impacts and Photographs by road section

Photographs of Resettlement Impact	Width (m)		Remarks
	Proposed	Suggested	
<b>(i) PK0+000-PK2+500</b>			-
  Beginning point                      Box culvert	8	8	- 3 cell Box culvert is in good condition the width of 6.6m with 3 cells.  - No resettlement impact
  Lightly populated area			
<b>PK 2+500- PK 8+500</b>			-
  Lightly populated area	8	8	- The existing road within this area is more than 8.0m  - At PK8+400, small market with shops starts for about 100m length. Installation of side drain was proposed during consultation meeting.  - no resettlement impact
  At PK8+400 small market area			

Photographs of Resettlement Impact	Width (m)		
	Proposed	Suggested	
<b>PK 8+500- PK 12+300</b>			-
 <p>Existing road is wide (8.0m -14.0m)</p>  <p>Open land: xisting road is wide (8.0m -14.0m)</p>	8	8	<ul style="list-style-type: none"> <li>- The existing road width of 8m to 14m</li> <li>- No resettlement impact</li> </ul>
<b>PK 12+300- PK 13+400</b>			-
 <p>Open land section</p>  <p>Open land until the road is connected to paved provincial road.</p>	8	8	<ul style="list-style-type: none"> <li>- The existing road within this area from 7.5m – 8.0m</li> <li>- One bridge in good condition</li> <li>- No resettlement impact.</li> </ul>



#### IV. Consultation with Villagers, Local Authorities and Grievance Redress

14. After completing the field inspection and measurement of road width, each commune arranged a consultation meeting with the people living along the road who had their land, fence and trees were invited to join the consultation meetings. In addition to the consultations held during the Social Safeguards Screening has been conducted. The three (3) consultation meetings were held in this additional road of SVR-8 (Svay Rieng province), with Local communities and Local authorities. The purpose of this consultation was to: (a) disclose information about the proposed roads; (b) assess potential resettlement impacts; (c) inform about the project policy principles and entitlement as described in the Community Participation Framework (CPF), and SPS 2009; (d) provide details with regard to procedures of grievance redress in cases of impacts by the project activities; and (e) get perceptions of and feedback from affected persons or/and HH beneficiaries on both positive and negative impacts.

15. Three (3) communes were arranged the consultation meetings, namely: 1) Samyoang, 2) Banteay Krang, and 3) Basak was traversed by the proposed road within 2 districts of Svay Rieng province. Total participants of the consultations included 40 persons, of which 35 were men and 5 women. Number of participants were limited in small group due to COVID-19. Participants to the consultation meetings were very happy to hear about the improvement project as they suffer from dust for long time during dry season and muddy in the rainy season, and expressed their high interests to have the paved road in the community. Impacts on trees and boundary fences were perceived by all affected persons and communities as minor and reportedly all were willing to donate of their properties without compensation in the cases which are necessary for the project. However, this existing road width is generally very wider than the proposed road width. The schedules of consultation meetings are shown in Table 3.

Table 3: Schedules of Consultation Meeting Conducted for additional one road (SVR-8)

ID Road	District	Commune	# of Participants		Venue meeting	Date/Time
			Total	Female		
SVR-8	Kampong Rou	Samyaong	12	1	Samyaong Commune Office	-15/06/2021 (9:00 – 10:30am)
		Banteay Krang	14	1	Banteay Krang Commune Office	-16/06/2021 (9:30 – 10:30am)
	Svay Chrum	Basak	14	3	Basak Commune Office	-29/06/2021 (7:30 – 8:30am)
Total	2	3	40	5	3 meetings	

16. Summary results of consultation meeting are shown in Table 4 and the minutes of meetings with attendance lists for the consultation meetings are attached in **Annex-1**.

Table 4: Summary of the results for consultation meetings from 15 – 16 June, 29 June 2021

Commune/Date	Questions/Suggestions/Recommendations	Response/Answer
Samyaong (15/06/2021)	Mr. Brak Chhoun, Assistant to Commune (Commune Clerk): He asked the consulting team that how high level of this road? How width and long of the proposed road?	Team: For this project is initial to be studied, however; based on the proposed the road length of 13.4km, and the width of 6m with 1m both sides of the road shoulder, and the road level is based on the existing level low and high.

	Mr. Tep Savy, commune chief of Samyoang and representative of villager living in this commune: He was very happy with this project to hear that the road was proposed for improvement in the near future.	Team: As for the project, it is not yet clear whether this road is improved or not, but this is only the first step to review resettlement impact and collect information for evaluating.
	Village Chief/Villager: Requested the Project to install the drainage system to protect water flood in the market area (Samyaong market), and traffic sign, give project information with the time schedule to local people prior to the commencement of work.	Team: During detailed design, side drain will be considered in the market area. Traffic signs will be provided. Construction time schedule will be informed to local people before start of construction.
Banteay Krang (16/06/2021)	On behalf of Local Authorities, Ms. Sam Kanha, Commune Chief of Banteay Krang commune expressed very happy with this project and she welcomed.	Team: PDRD explained that the road will be designed to protect the previous flood level for this road alignment and will construction based on the existing width, and no any impacts due to the project activities.
	Commune Council/Village Chief: Requested the Project to prior construction before 2022, and widening the bridge/box culvert if possible, install the drainage system to protect water flood around 400m, watering during earthwork and construction, install traffic signs at the campsite or at the site construction.	Team/PDRD: During the detailed design and construction stage of the Project, engineer will conduct a water level investigation along the road and will study the drainage to be improved in the community. Referring the traffic signs and watering during construction is the responsible by Contractor, and the consultant will supervise such activities with PDRD and PMU for good performance of works.
Basak (29/06/2021)	Mr. Nhoug Yen, Commune Chief of Basak commune and Chairman in the meeting : Welcomed and very happy with this project, he strongly expected that the road is priority one of the Gov. especially the rural roads.  He requested to the local authorities as well as local people living along the road to cooperate when the road is to be implemented in the future.	PDRD: Mr. Chan Sitara, Deputy Director of Svay Rieng PDRD, explained the scope of proposed road and relevant data/information (by H/P zoom meeting from PDRD Office).

17. The photographs of site interview and consultation meetings are shown in Figure 3.

Figure 3. Interviewed with villagers and Consultation Meetings

	
<p>1: PK: 10+600 in Samyaong village, Samyaong commune, 2 concrete fences have been actual measured. The existing road width at this location is 14m.</p>	<p>2: PK: 10+600 in Samyaong village, Samyaong commune, and interviewing with local people living along the proposed road</p>
	
<p>3: Stakeholder meeting with Svay Rieng PDRD in PDRD Office, date: 15 June 2021</p>	<p>4: Consultation meeting with Local authorities in Samyaong commune, Date: 15 June 2021</p>
	
<p>5: Consultation meeting with Local authorities in Banteay Krang commune, Date: 16 June 2021</p>	<p>6: Consultation meeting with Local authorities in Basak commune, Date: 29 June 2021</p>

## V. Grievance Redress Mechanism

18. All participants, during the consultation, are informed about grievance redress mechanism once the project commence<sup>1</sup>. However, all conflicts are encouraged to resolve at the village, commune or district level.

## VI. Social Safeguards

19. The RRIP-III rural roads will be designed to avoid any form of resettlement impacts. However, construction works may cause temporary impacts such as disruption or loss of income to vendors and impacts on secondary structure (fence), shade and fruit trees and roof extensions if the proposed road width will not change as per situation at the field of each road section. The policies and project principles in the community participation framework (CPF) shall apply during the detailed design stage and the following mitigation measures matrix will guide the process of participatory impact assessments at the design as provided in the CPF. Table 5 shows the mitigation measures matrix.

Table 5: Mitigation Measures Matrix

Impact Category	Mitigation Measures	Responsibility
<b>Loss of Agricultural Land (Very small strips)</b>	<ul style="list-style-type: none"> <li>- Willing transfer of land by means of MOU</li> <li>- Advance notice to harvest standing crops</li> <li>- For vulnerable affected persons no voluntary donation is accepted</li> <li>- For land involving traditional rights, the road will not be financed by the project</li> </ul>	VDC, PIU and Cadastral Administration Office
<b>Loss of Structure</b>	<ul style="list-style-type: none"> <li>- For loss of boundary walls and fences, affected during construction, contractor will rebuild the affected structure as part of environmental management plan to pre-existing conditions;</li> <li>- For tenants, assistance to find alternative rental arrangements by VDC;</li> </ul>	PIU, Contractor and VDC
<b>Loss of livelihood</b>	<ul style="list-style-type: none"> <li>- In case of permanent shops impacted, impact will be avoided through agreed technical solutions. If not possible, road will be dropped from financing;</li> <li>- For mobile vendors, project will help moving them back for the duration of construction in order to avoid business interruption and livelihood loss</li> </ul>	PIU, PIC, Contractor and VDC
<b>Loss of Assets such as Trees, Well, and Ponds</b>	<ul style="list-style-type: none"> <li>- Willing transfer of the asset by means of MOU.</li> <li>- For vulnerable affected persons, the project will not accept donation. Impact will be avoided through agreed technical solutions as detailed above</li> </ul>	PIU, PIC, Contractor and VDC
<b>Loss of community owned assets such as temple, wells, ponds, etc.</b>	Civil works contract conditions to include provisions to obligate the contractor to implement appropriate mitigation measures for the temporary impacts include disruption of normal traffic, increased noise levels, dust generation, and damage to adjacent parcel of land due to movement of heavy machinery to be included the Civil Works Contract	PIU

<sup>1</sup> GRM from the resettlement frame work of RRIP-II was used to explain Affected persons during the consultation. Four stages from village to district, province, and finally to court as last resort.

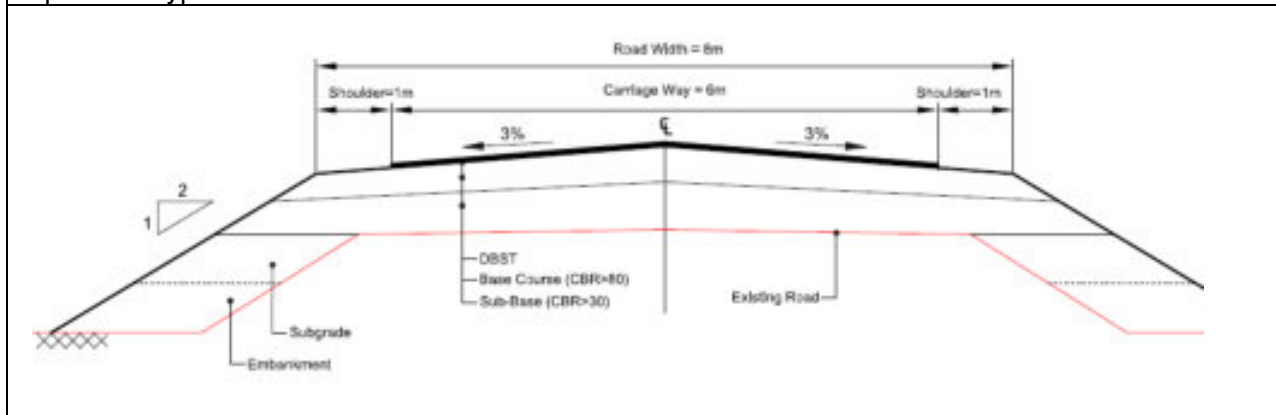
Impact Category	Mitigation Measures	Responsibility
<b>Other unanticipated impacts</b>	Unforeseen impacts will be documented and mitigated based on the principles in this framework. If required, ADB will be informed and project categorization will be revisited based on ADB concurrence and follow-up actions taken to mitigate these impacts	MRD/PIU, PIC, VDC

MRD = Ministry of Rural Development; MOU = memorandum of understanding; PIC = project implementation consultant; PIU = project implementation unit; VDC = village development committee

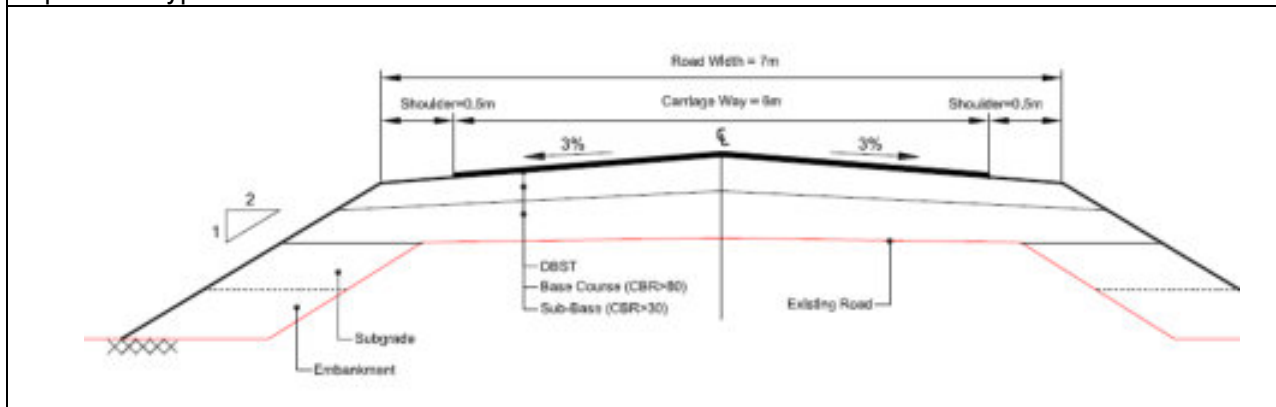
## VII. Options for Detail Designs

20. Based on the field assessment the proposed road sections have different existing width that require flexibility in the design stage to avoid resettlement impacts. Since this project is not expected to have resettlement impacts, four options of typical cross sections are proposed to be applied in the relevant areas following the transect walks during the detailed design stage.

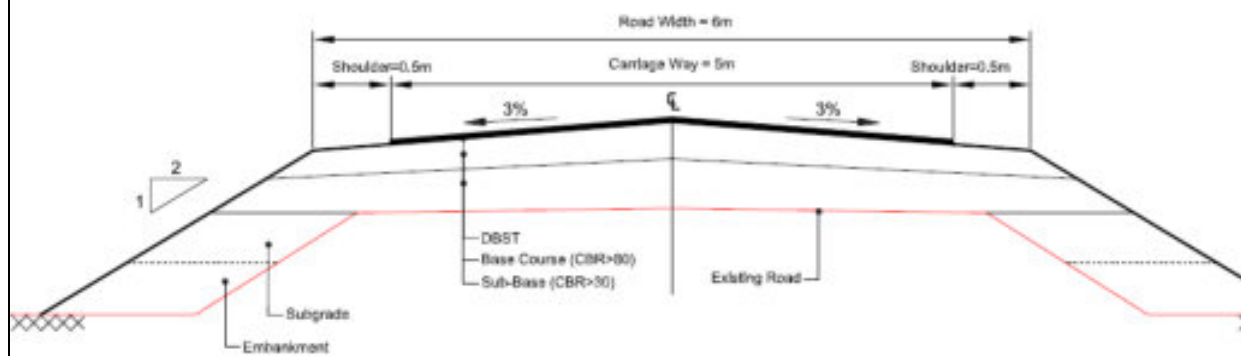
Option 1: Typical Cross Section – 1



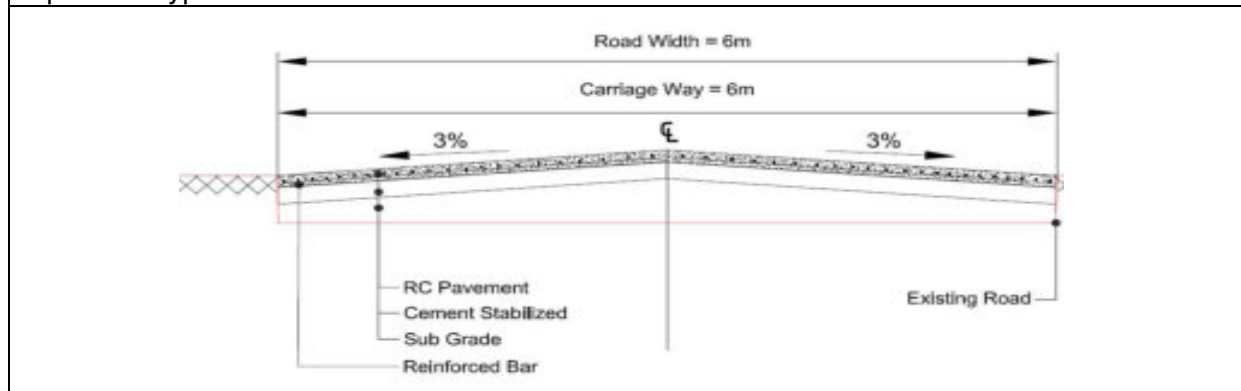
Option 2: Typical Cross Section – 2



### Option 3: Typical Cross Section – 3



### Option 4: Typical Cross Section – 4



## VIII. The role of Local Authorities in the Project (Village/Community Level)

21. It is necessary to avoid any suffering of the community members caused by the project activities. All participants, during the consultation, were informed about grievance redress process in the Village/Community Level: for any complaint, the affected people are required to inform the local authority about their concerns orally or in writing. The meeting has suggested that all conflicts will be addressed with the existing mechanism at the village/commune level, however; all conflicts are encouraged to be resolved at the village, commune or district level.

## IX. Conclusion

22. The site visits and consultations revealed that:

- i) No land acquisition is required for the proposed this road alignment;
- ii) No other assets of the community found to be affected during field visits;
- iii) No IPs will be affected by the project;
- iv) No affected fruit trees, forest trees, fences and other properties were consisted within ROW due to this existing road width from 7m to 8m.
- v) The villagers expressed their willingness to donate small trees or wooden fences within the ROW without compensation.
- vi) The subproject is not likely to have significant adverse environmental and social impacts if mitigation measures outlined in the environmental management plan are properly implemented. The Environmental Management Plan (EMP) should be used as a guidance document for preparation of subproject contracts.

**Annex 1: Minutes of Consultation Meetings and List of Participants both two communes in Khmer**

The Consultation meeting was a discussion meeting with Local authorities and villagers about the project with the purpose of getting suggestions from the people living along the road alignments in the project areas. This meeting is very important part of the due diligence on social safeguards assessment. Moreover, it provides a useful mechanism for gathering idea, opinions, concepts, solutions, and requests of the stakeholders located in the project area.

The meetings were arranged by Social Development/Safeguards Specialist in coordination with SEO officer in charge of resettlement in three (3) commune offices in Svay Rieng province which will be affected by the proposed road. The aim of consultation meeting is to disclose the project to the community and discuss resettlement issues due to the road improvement activities when the project is implemented. The minutes of meeting and attendance lists for three consultation meeting are shown below.



A) Minute of meeting and list of participants for SVR-8 on 15 June 2021 in Samyaong commune

ព្រះរាជាណាចក្រកម្ពុជា  
ជាតិ សាសនា ព្រះមហាក្សត្រ  
កំរិតហេតុអង្គប្រជុំ  
ស្តីអំពី

ការប្រជុំផ្សព្វផ្សាយគម្រោង និងពិគ្រោះយោបល់លើការពង្រីកបន្ថែមជាមួយអាជ្ញាធរ និងប្រជាជនមូលដ្ឋាន  
ឆ្នាំ២០២១ ខែមិថុនាថ្ងៃទី១៥/០៦/២០២១ លេខម៉ោង១,៣០ នៅសាលាឃុំ សំណុំ បានរៀបចំកិច្ចប្រជុំ  
ផ្សព្វផ្សាយលើការអនុវត្តបន្ថែមសំរាប់គម្រោងកែលម្អផ្លូវជនបទជំហាន៣ និងធ្វើការពិគ្រោះយោបល់ជាសាធារណៈ  
ជាមួយអាជ្ញាធរមូលដ្ឋាន និងប្រជាពលរដ្ឋដែលរស់នៅតាមបណ្តោយផ្លូវដែលបានស្នើឡើងនេះ។ ក្នុងកិច្ច  
ប្រជុំនេះសមាសភាពចូលរួមត្រូវបានអញ្ជើញមកពីគ្រួសារដែលរស់នៅតាមបណ្តោយផ្លូវ និងអាជ្ញាធរមូលដ្ឋាន។  
អង្គប្រជុំក្រោមអធិបតីភាពលោកមេឃុំ លី សំណុំ ។

សមាសភាពចូលរួមសរុប ៖ ១២ នាក់ ស្ត្រីមាន ០១ នាក់

(មានភ្ជាប់បញ្ជីវត្តមានខាងក្រោមស្រាប់) ។

ប្រធានបទដែលលើកមកប្រជុំពិភាក្សារួមមាន ៖

- ១/ ផ្សព្វផ្សាយព័ត៌មានគម្រោង (ចែកព័ត៌មានគម្រោងដល់សមាជិកអង្គប្រជុំ) ។
- ២/ ពិភាក្សា និងពិគ្រោះយោបល់លើការកែលម្អ ទំហំ និងប្រវែងផ្លូវ ផលប៉ះពាល់ និងគោលនយោបាយ។
- ៣/ សិទ្ធិទទួលបាន និងទម្រង់បណ្តឹងតវ៉ាចំពោះករណីមិនសុខចិត្តណាមួយលើការអនុវត្តគម្រោង។
- ៤/ ស្រង់មតិយោបល់ ដំណោះស្រាយ និងសំណូមពរ។

ជាកិច្ចចាប់ផ្តើម លោកមេឃុំ លី សំណុំ បានស្វាគមន៍ដល់អ្នកចូលរួម និងចាប់ផ្តើមពិភាក្សាពីគុណសម្បត្តិ  
លើការកែលម្អផ្លូវចំពោះសេដ្ឋកិច្ចជាតិ ក៏ដូចជាបង្កើនជីវភាពរស់នៅរបស់ប្រជាពលរដ្ឋជាពិសេសប្រជាពលរដ្ឋ  
ដែលរស់នៅតាមបណ្តោយផ្លូវដែលបានស្នើសុំបន្ថែមនេះ។

មតិលើកឡើងរបស់អ្នកដែលពាក់ព័ន្ធ ៖

លោក ប្រាក់ លួន ឡាន ឌី លី សំណុំ បាន ល្អិត ផ្លូវ ៣០០ ម៉ែត្រ លើកម្ពស់  
ប៉ុន្មាន ១០០០ ម៉ែត្រ ទៅ

លោក កាតា ភី ក្រុង ប្រាក់ លួន ឡាន ឌី លី សំណុំ បាន ល្អិត ផ្លូវ ៣០០ ម៉ែត្រ  
លើកម្ពស់ ១០០០ ម៉ែត្រ ទៅ

សំណូមពរ ៖

- ១. ឱ្យរៀបចំផែនការសាងសង់ផ្លូវ ១០០០ ម៉ែត្រ ទំហំ ៣០០ ម៉ែត្រ ទៅ
- ២. ឱ្យរៀបចំផែនការសាងសង់ផ្លូវ ១០០០ ម៉ែត្រ ទៅ

3. ឧបសគ្គ ពាក្យសុំបញ្ជាក់ការស្នើសុំ
4. ឧបសគ្គ វិធានការណ៍ និង កិច្ចសន្យាសហការប្រកាស ១៧២១  
 ឱ្យស្របតាមការស្នើសុំ ។

អង្គប្រជុំបានបញ្ចប់នៅវេលាម៉ោង...១០:៣០នាទី...ថ្ងៃខែឆ្នាំដដែលក្រោមបរិយាកាសស្ថិតស្ថាន។

ឃុំ...ថ្ងៃទី...ខែ...ឆ្នាំ ២០២១

លេខាកត់ត្រា

*(Signature)*  
*(ឡាន.សាវី)*

បានឃើញ និងឯកភាព



បញ្ជីវត្តមានអ្នកចូលរួមអង្គប្រជុំ  
ថ្ងៃទី...១៤...ខែ...១២...ឆ្នាំ២០២១

ប្រជុំពិគ្រោះយោបល់ និងដោះស្រាយផលប៉ះពាល់សំរាប់ខ្សែផ្លូវ...S.V.R.៤ ឃុំ...ស្រែចម្ការ...

លរ	ឈ្មោះ	ភេទ	អាយុ	មុខរបរ/តួនាទី	មកពី(ភូមិ)	លេខទូរស័ព្ទ	ហត្ថលេខា
១	ស្រី ថ្មី	ស្រី	៧០	ស្រីស្រែ	ស្រែចម្ការ	០៩៨៥០៩៩៩	
២	ស្រី ខៀវ	ស្រី	៤៦	"	ស្រែចម្ការ	០៩៧៨៦៧៥៦៦	
៣	ស្រី វណ្ណ	ស្រី	៤៥	ស្រីស្រែ	ស្រែចម្ការ	០៧៨២៩៩៥៥០	
៤	ស្រី គង់	ស្រី	៤៤	ស្រីស្រែ	ស្រែចម្ការ	០៩៨២២០៩០៩៨	
៥	ស្រី គង់	ស្រី	៥០	ស្រីស្រែ	ស្រែចម្ការ	០៩៧២២០៥៥៥	
៦	ស្រី គង់	ស្រី	៦៤	ស្រីស្រែ	ស្រែចម្ការ	០៩៧៦៤៣៣០៩	
៧	ស្រី គង់	ស្រី	៣៦	ស្រីស្រែ	ស្រែចម្ការ	០៩៧៨៧៥៤៦៦	
៨	ស្រី គង់	ស្រី	៥២	ស្រីស្រែ	ស្រែចម្ការ	០៧១២៧៩៩៥៥	
៩	ស្រី គង់	ស្រី	៣៣	ស្រីស្រែ	KCI	០១៧៣៣០០០	
១០	ស្រី គង់	ស្រី	៤៤	ស្រីស្រែ	KCI	០១២៨៦៣៩៩	
១១	ស្រី គង់	ស្រី	៥៧	ស្រីស្រែ		០១១៥០៩៩៩	
១២	ស្រី គង់	ស្រី	៤៧	ស្រីស្រែ		០១២៥៥៥៩	
១៣							
១៤							
១៥							
១៦							
១៧							
១៨							
១៩							
២០							

សរុបត្រឹមលេខរៀងទី...១២.....



**B) Minute of meeting and list of participants for SVR-8 on 16 June 2021 in Banteay Krang commune**

**ព្រះរាជាណាចក្រកម្ពុជា  
ជាតិ សាសនា ព្រះមហាក្សត្រ  
កំណត់ហេតុអង្គប្រជុំ  
ស្តីអំពី**

ការប្រជុំផ្សព្វផ្សាយគម្រោង និងពិគ្រោះយោបល់លើការពង្រីកបន្ថែមជាមួយអាជ្ញាធរ និងប្រជាជនមូលដ្ឋាន ឆ្នាំ២០២១ ខែមិថុនាថ្ងៃទី ១៦ រំលែកម៉ោង ៩:៣០ នៅសាលាឃុំ បន្ទាយក្រាំង បានរៀបចំកិច្ចប្រជុំ ផ្សព្វផ្សាយលើការអនុវត្តបន្ថែមសំរាប់គម្រោងកែលម្អផ្លូវជនបទជំហាន៣ និងធ្វើការពិគ្រោះយោបល់ជាសាធារណៈជាមួយអាជ្ញាធរមូលដ្ឋាន និងប្រជាពលរដ្ឋដែលរស់នៅតាមបណ្តោយផ្លូវដែលបានស្នើឡើងនេះ។ ក្នុងកិច្ចប្រជុំនេះសមាសភាពចូលរួមត្រូវបានអញ្ជើញមកពីគ្រួសារដែលរស់នៅតាមបណ្តោយផ្លូវ និងអាជ្ញាធរមូលដ្ឋាន។ អង្គប្រជុំក្រោមអធិបតីភាពលោកមេឃុំ...ស្រី គង្គារ ឈន់...។

សមាសភាពចូលរួមសរុប៖ .....14.....នាក់ ស្ត្រីមាន.....01.....នាក់

(មានភ្ជាប់បញ្ជីវត្តមានខាងក្រោមស្រាប់)។

ប្រធានបទដែលលើកមកប្រជុំពិភាក្សារួមមាន៖

- ១/ ផ្សព្វផ្សាយព័ត៌មានគម្រោង (ចែកព័ត៌មានគម្រោងដល់សមាជិកអង្គប្រជុំ)។
- ២/ ពិភាក្សា និងពិគ្រោះយោបល់លើការកែលម្អ ទំហំ និងប្រវែងផ្លូវ ផលប៉ះពាល់ និងគោលនយោបាយ។
- ៣/ សិទ្ធិទទួលបាន និងទម្រង់បណ្តឹងតវ៉ាចំពោះករណីមិនសុខចិត្តណាមួយលើការអនុវត្តគម្រោង។
- ៤/ ស្រង់មតិយោបល់ ដំណោះស្រាយ និងសំណូមពរ។

ជាកិច្ចចាប់ផ្តើម លោកមេឃុំ...ស្រី គង្គារ ឈន់...បានស្វាគមន៍ដល់អ្នកចូលរួម និងចាប់ផ្តើមពិភាក្សាពីគុណសម្បត្តិ លើការកែលម្អផ្លូវចំពោះសេដ្ឋកិច្ចជាតិ ក៏ដូចជាបង្កើនជីវភាពរស់នៅរបស់ប្រជាពលរដ្ឋជាពិសេសប្រជាពលរដ្ឋ ដែលរស់នៅតាមបណ្តោយផ្លូវដែលបានស្នើសុំបន្ថែមនេះ។

មតិលើកឡើងរបស់អ្នកដែលពាក់ព័ន្ធ៖

១. លោក ឈន់ គង្គារ ឈន់ បានឆ្លើយតបលើសំណួររបស់លោក ឈន់ គង្គារ ឈន់ ថា គម្រោងនេះ គឺជាគម្រោង ដ៏សំខាន់ ណាស់ ដែល អាច ជួយ ដល់ ប្រជាជន បាន ជា ច្រើន ណាស់ ។

សំណូមពរ៖


១. លោក ឈន់ គង្គារ ឈន់ បានឆ្លើយតបលើសំណួររបស់លោក ឈន់ គង្គារ ឈន់ ថា គម្រោងនេះ គឺជាគម្រោង ដ៏សំខាន់ ណាស់ ដែល អាច ជួយ ដល់ ប្រជាជន បាន ជា ច្រើន ណាស់ ។

៥- ឧបនាយករដ្ឋមន្ត្រី លោក ហ៊ុន សែន ស្នើសុំ ។  
 ៦- លោក ឧបនាយករដ្ឋមន្ត្រី ហ៊ុន សែន ស្នើសុំ ។

អង្គប្រជុំបានបញ្ចប់នៅវេលាម៉ោង ១០:៣០ នាទី ថ្ងៃខែឆ្នាំដដែលក្រោមបរិយាកាសស្ថិតស្ថាល ។

ឃុំ អង្គប្រជុំ ថ្ងៃទី ១៦ ខែ ឧសភា ឆ្នាំ ២០២១

លេខាគត់ត្រា

  
 ឯង ហ៊ុន សែន

បានឃើញ និងឯកភាព

ប្រធានអង្គប្រជុំ

  
 សំ កញ្ញា

បញ្ជីវត្តមានអ្នកចូលរួមអង្គប្រជុំ  
ថ្ងៃទី ១៦.....ខែ ០៤.....ឆ្នាំ ២០២១

ប្រជុំពិគ្រោះយោបល់ និងដោះស្រាយផលប៉ះពាល់សំរាប់ខ្សែផ្លូវ S.V.R.2 ឃុំ.....ចន្ទយ (ស្រីស)

ល/	ឈ្មោះ	ភេទ	អាយុ	មុខរបរ/តួនាទី	មកពី(ភូមិ)	លេខទូរសព្ទ	ហត្ថលេខា
១	ស៊ីម វ៉ាន	បុរស	69	សេដ្ឋកិច្ច	ចន្ទយ(ស្រីស)	0974267169	S
២	ជូ ភី	ប្រុស	37	អគ្គិសនី	វ៉ាន	0662914813	Z
៣	ស៊ីម ភូមា	ប្រុស	54	សេដ្ឋកិច្ច	ចន្ទយ	0887318387	Sty-
៤	ស៊ីម ភូមា	ប្រុស	51	អគ្គិសនី	វ៉ាន	0889855271	lat-
៥	ស៊ីម វ៉ាន	ប្រុស	37	សេដ្ឋកិច្ច	ចន្ទយ	0887891433	Don
៦	ស៊ីម ភូមា	ប្រុស	47	អគ្គិសនី	ចន្ទយ	097565551	
៧	ស៊ីម ភូមា	ប្រុស	44	អគ្គិសនី	ចន្ទយ	012863494	B
៨	ស៊ីម ភូមា	ប្រុស		អគ្គិសនី	ចន្ទយ	090517801	
៩	ស៊ីម ភូមា	ប្រុស	57	អគ្គិសនី	ចន្ទយ	011950992	
១០	ស៊ីម ភូមា	ប្រុស	47	អគ្គិសនី	ចន្ទយ	097818841	
១១	ស៊ីម ភូមា	ប្រុស	63	អគ្គិសនី	ចន្ទយ	077085457	Samet
១២	ស៊ីម ភូមា	ប្រុស	84	អគ្គិសនី	ចន្ទយ	097401.887C	
១៣	ស៊ីម ភូមា	ប្រុស	30	អគ្គិសនី	ចន្ទយ	088332.949	
១៤	ស៊ីម ភូមា	ប្រុស	33	អគ្គិសនី	ចន្ទយ	017331000	
១៥							
១៦							
១៧							
១៨							
១៩							
២០							

សរុបត្រឹមលេខរៀងទី ១៤.....



C) Minute of meeting and list of participants for SVR-8 on 29 June 2021 in Basak commune

**ព្រះរាជាណាចក្រកម្ពុជា**  
**ជាតិ សាសនា ព្រះមហាក្សត្រ**

ខេត្តស្វាយរៀង  
ស្រុកស្វាយជ្រំ  
រដ្ឋបាលឃុំបាសាក់

**កំណត់ហេតុប្រជុំ**  
**ស្តីពីការផ្សព្វផ្សាយដល់ភូមិឃុំប្រជាពលរដ្ឋអំពី**  
**ក្រសួងអភិវឌ្ឍន៍ជនបទចុះជួសជុលផ្លូវក្រាលកៅស៊ូបន្តពីវត្តបាយ៉ាបទៅដល់ស្ពានបាយ៉ាប**

ឆ្នាំពីរពាន់មួយរយ មិថុនា ថ្ងៃទីប្រាំបួន វេលាម៉ោងប្រាំពីរនិងសាមសិបនាទីព្រឹក នៅសាលាឃុំបាសាក់ ស្រុកស្វាយជ្រំ ខេត្តស្វាយរៀង បានរៀបចំការប្រជុំស្តីពីការផ្សព្វផ្សាយដល់ភូមិឃុំ និងប្រជាពលរដ្ឋនៅ ភូមិបាយ៉ាប ឃុំបាសាក់ ស្រុកស្វាយជ្រំ ស្តីពីក្រសួងអភិវឌ្ឍន៍ជនបទ និងចុះមកជួសជុលផ្លូវក្រាលកៅស៊ូដែលមានប្រវែង១,១០០ម៉ែត្រ ចាប់ពីវត្តបាយ៉ាបទៅដល់ស្ពានបាយ៉ាប។

នៅពេលជួបជុំសមាជិកអង្គប្រជុំរួមមកលោក **ស្រី ឈឹម** ប្រធានអង្គប្រជុំមានប្រសាសន៍ថា៖ ក្រសួងអភិវឌ្ឍន៍ជនបទបានអោយដំណឹងតាមទូរស័ព្ទថា៖ ផ្លូវដែលនៅសល់ចំនួន១,១០០ម៉ែត្រ ចាប់ពីវត្តបាយ៉ាបទៅដល់ស្ពានបាយ៉ាបក្រសួងនិងចុះមកជួសជុលផ្លូវក្រាលកៅស៊ូនៅពេលឆាប់ៗខាងមុខនេះហើយ ដូចនេះសូមភូមិប្រជុំផ្សព្វផ្សាយដល់ប្រជាពលរដ្ឋនៅភូមិបាយ៉ាបបន្តទៀតដើម្បីអោយប្រជាពលរដ្ឋយល់ច្បាស់ថា ផ្លូវនេះក្រសួងអភិវឌ្ឍន៍ជនបទជាអ្នកជួសជុលក្រាលកៅស៊ូបន្ត និងសូមបងប្អូនប្រជាពលរដ្ឋនៅភូមិបាយ៉ាប ឃុំបាសាក់យើងសហការរណ៍នៅពេលចាប់ផ្តើមជួសជុលសូមកុំលែងគោ ក្របីឆ្លងកាត់ព្រោះគោ ក្របីបើឆ្លងកាត់ហើយវានឹងអាចលើផ្លូវដែលកំពុងជួសជុលនៅពេលក្រាលកៅស៊ូវាពុំអាចជាប់បានយូរទេ។

ផ្លូវដែលគ្រោងនិងក្រាលកៅស៊ូនេះនៅពេលក្រសួងអភិវឌ្ឍន៍ចាក់កៅស៊ូហើយ គឺប្រជាពលរដ្ឋយើងជាអ្នកប្រើប្រាស់ ដូចនេះសូមបងប្អូនប្រជាពលរដ្ឋយើងទាំងអស់គ្នារួមគ្នាថែរក្សាអោយបានល្អ សម្រាប់អោយកូនចៅយើងបានប្រើប្រាស់បានយូរអង្វែងតទៅថ្ងៃមុខទៀត។

ក្រោយពីលោកប្រធានអង្គប្រជុំមានមតិចប់មកលោកប្រធានអង្គប្រជុំបានប្រកាសបិទអង្គប្រជុំនៅវេលាម៉ោងប្រាំបួន ព្រឹកនាថ្ងៃនៃឆ្នាំដែលក្រោមបរិយាកាសស្ងៀមស្ងួត និងមានស្មារតីទទួលខុសត្រូវខ្យល់។

**បានឃើញ និង ឯកភាព**  
**ប្រធានអង្គប្រជុំ**  
**បាសាក់**  
**ស្រី ឈឹម**

**លេខាធិការ**  
**ចា ឥស្សី**



