

Environmental Monitoring Report

December 2018 to June 2020
December 2020

CAM: Second Urban Environmental Management in the Tonle Sap Basin Project

Prepared by the Ministry of Public Works and Transport for the Kingdom of Cambodia and the Asian Development Bank.

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Semi-Annual Environmental Monitoring Report

CAMBODIA

Ministry of Public Works and Transport (MPWT)

SECOND URBAN ENVIRONMENTAL MANAGEMENT IN THE TONLE SAP BASIN PROJECT

(TS2 Project)

(ADB L3686/G0592/G0593 CAM)

Reporting Period: *Dec 2018 – June 2020*

Date: *21st of October 2020*

SEMR Report Number: *1*

CURRENCY EQUIVALENTS

(as of October 2020)

Currency unit	–	riel (KR)
KR 1.00	=	\$ 0.000250
\$1.00	=	KR 4,000

ABBREVIATIONS

ADB	–	Asian Development Bank
COI	–	Corridor of Impact
DED	–	Detailed Engineering Design
EMC	–	Environmental Monitoring Consultant
EMP	–	Environmental Management Plan
FGD	–	Focus Group Discussion
FT	–	Full Time
GDR	–	General Department of Resettlement
GRM	–	Grievance Redress Mechanism
IEE	–	Initial Environmental Examination
IESIA	–	Initial Environmental and Social Impact Assessment
IRP	–	Income Restoration Plan
MoE	–	Ministry of Environment
MPWT	–	Ministry of Public Works and Transport
NR	–	National Road
PT	–	Part Time
PIU	–	Project Implementation Unit
PMC	–	Project Management Consultants
PMU	–	Project Management Unit
SEMR	–	Semi-annual Environment Monitoring Report
TL	–	Team Leader
TS2 Project	–	Second Integrated Urban Environmental Management in The Tonle Sap Basin Project
WW	–	Wastewater
WWTP	–	Wastewater Treatment Plant

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1 ENVIRONMENTAL SAFEGUARDS SUMMARY

1.1 Introduction

1. The Government of The Royal Government of Cambodia has obtained a loan and grant from the Asian Development Bank (ADB) towards the cost of the Second Integrated Urban Environmental Management in the Tonle Sap Basin Project (hereinafter referred to as TS2). The location of the project towns is shown in Figure 1.

Figure 1: Location of Project Towns



2. This is the 1st Semi-annual Environment Monitoring Report (SEMR) covers the period of December 2018-June 2020 for the Second Integrated Urban Environmental Management in The Tonle Sap Basin Project (TS2 Project).
3. The SEMR presents the status of project implementation, details of compliance with environmental regulations of the Government and policies of ADB, details of compliance with environmental loan covenants, details of complaints received and their redressal and the status of compliance with various aspects of Environmental Management Plan (EMP) as stated in the Initial Environmental Examination (IEE) reports. The SEMR has been prepared to fulfil the safeguard policy requirement of ADB.
4. The SEMR is prepared by the Project Management Consultants (PMC) team (Ramboll Danmark A/S in Joint Venture with Oriental Consultant Global Co., Ltd. and SCE in association with Tancons (Cambodia) Co., Ltd) for the TS2 Project.
5. The Ministry of Public Works and Transport (MPWT) is the Project's executing agency (EA) and will manage the implementation of the Project's outputs through a Project Management Unit (PMU) based in MPWT's main office in Phnom Penh (Table 1).
6. Project Implementation Units (PIUs) have been established in each of the Project towns. These are embedded within the provincial Departments of Public Works and Transport (DPWT) for the different provinces.

Table 1: Project Basic Data

ADB Grant/Loan number:	ADB Loan 3684-CAM, and ADB Grant 0591-CAM (Grant funded by Asian Development Fund)
Project Title:	Second Urban Environmental Management in the Tonle Sap Basin Project
Beneficiary:	Royal Government of Cambodia
Executing Agency:	Ministry of Public Works and Transport
Implementing Agency:	(i) Battambang Provincial Government and Battambang Provincial Project Implementation Unit (ii) Serei Saophoan Provincial Government and Serei Saophoan Provincial Project Implementation Unit (iii) Stueng Saen Provincial Government and Stueng Saen Provincial Project Implementation Unit
Date of Effectiveness:	14 December 2018
Closing Date:	30 June 2024

7. TS2 Project includes 6 subprojects. No construction activities have started within the reporting period. Therefore, there are few activities to be included in the Semi-Annual environmental Monitoring Report. When no activities can be reported in the below sections, the term not applicable (n/a) will be used.
8. PMC has adapted this report in order to include the environmental safeguards information for each subproject once a work contract starts. Once a work contract starts, the term “subproject” in the section titles will be replaced by the package number – package name (e.g. CW01 Lot 1 – Steung Saen: Wastewater and drainage).

1.2 Summary of Project Progress

9. The following table gives a brief summary of the project progress for contract award, construction and key activities in this reporting period:

Table 2 Project Progress Summary

Safeguards Category	Environment	B	
Reporting Period:	Dec 2018 – June 2020	Date Last Report Issued:	NA
Contracts Awarded to Date:	No contracts awarded within the reporting time.		
Construction Progress to Date:	As of end of June 2020 the physical construction progress is as follows: n/a		
Key Sub-project Activities in this Reporting Period:	Construction Activities n/a Permits or Consents Issued: IESIA CW01 Lot 1 – Steung Saen: Wastewater and drainage IESIA CW01 Lot 2 – Battambang: Wastewater As of June 2020, the following permits were obtained: IESIA CW01 Lot 1 – Steung Saen: Wastewater and drainage (May, 2020). IESIA CW01 Lot 2 – Battambang: Wastewater (May, 2020).		

1.3 Summary of EMP Implementation

1.3.1 Subproject

10. EMP implementation is summarised in the following points, for this reporting period:

- No contracts awarded within the reporting time, n/a.

1.4 Summary of EMP Monitoring

11. EMP monitoring is summarised in the following points, for this reporting period:

- **Number of Monitoring Visits to Construction Site and wider area:**
 - No contracts awarded within the reporting time, n/a.
- **Number of Environmental Samples Tested:**
 - No contracts awarded within the reporting time, n/a.

1.5 Summary of Complaints, Issues and Corrective Action

12. Any complaints, issues and corrective action that has been identified or implement is summarised in the following points, for this reporting period:

- Issues Raised: n/a
- Grievances Raised with GRM: n/a
- Corrective Action issued by project to Contractor: n/a

2 SAFEGUARDS STAFF, TRAINING AND DOCUMENTATION

2.1 Implementation Arrangements

13. The EMP defines the Environmental Safeguards roles and responsibilities. The roles are required to be filled in order to meet the EMP requirements. The following table gives the status of the key roles for EMP implementation:

Table 3. Status of Environmental Safeguard Roles

Safeguards Role	Status & Comment			
Project Consultant Environmental Specialist – International	Date:	March 2020	Full Time/ Part Time	PT
	Comment	Dr Jamlong Suthin		
Project Consultant Environmental Specialist - National	Date:	July 2019	Full Time/ Part Time	PT
	Comment	Mr. Chamman Yin		
PMU - Environmental Control Officer	Date Started:	May 2020	Full Time/ Part Time	FT
	Comment	Mr. Socheat Penh		

CW01 Lot 1 – Steung Saen – Kampong Thom Province				
Safeguards Role	Status & Comment			
PIU Environmental and Social Safeguards Staff	Date Started:	September 2019	Full Time/ Part Time	FT
	Comment	Mr. Soan Pisey		

PIU GRM Focal Point	Date:	September 2019	Full Time/ Part Time	FT
	Comment	Mr. Keo Ratana		
Contractor Environment Health & Safety Staff	Date:		Full Time/ Part Time	
	Comment	To be filled after contract is awarded		
Contractor GRM Person	Date Started:		Full Time/ Part Time	
	Comment	To be filled after contract is awarded		

CW01 Lot 2 – Battambang – Battambang Province				
Safeguards Role	Status & Comment			
PIU Environmental and Social Safeguards Staff	Date Started:	September 2019	Full Time/ Part Time	FT
	Comment	Mrs. Kao Chhoun Nara		
PIU GRM Focal Point	Date:	September 2019	Full Time/ Part Time	FT
	Comment	Mr. Nou Chamroeun		
Contractor Environment Health & Safety Staff	Date:		Full Time/ Part Time	
	Comment	To be filled after contract is awarded		
Contractor GRM Person	Date Started:		Full Time/ Part Time	
	Comment	To be filled after contract is awarded		

Serei Saophoan – Banteay Mean Chey Province				
Safeguards Role	Status & Comment			
PIU Environmental and Social Safeguards Staff	Date Started:	September 2019	Full Time/ Part Time	FT
	Comment	Mr. Mouk Lay		
PIU GRM Focal Point	Date:	September 2019	Full Time/ Part Time	FT
	Comment	Mr. Kun Sokun		
Contractor Environment Health & Safety Staff	Date:		Full Time/ Part Time	
	Comment	To be filled after contract is awarded		
Contractor GRM Person	Date Started:		Full Time/ Part Time	
	Comment	To be filled after contract is awarded		

14. The project concludes that the environmental safeguards roles are in place.

2.2 Training & Capacity Building

15. The following table gives the environmental safeguards training courses that have been completed during this reporting period and the planned training courses for the next six months:

Table 4. Environmental Safeguards Training Provided and Planned

Training Course Title	Participants	Provided	Planned	Training Provider
	CW01 Lot 1 – Wastewater & Drainage WWTP, sewers, drains – Steung Saen			

Training Course Title	Participants	Provided	Planned	Training Provider
EMP adjustment and implementation - Development and adjustment of the EMP, roles and responsibilities, monitoring, supervision and reporting	PMU, PIU, contractors		November 2020	Project Consultant Environmental Specialist
Grievance Redress Mechanism (GRM)-roles and responsibilities	PGRC/PRSC	September 2019		Project Consultant Environmental Specialist
Grievance Redress Mechanism (GRM)-roles and responsibilities	PMU, PIU, contractors, Commune Councils		To be planned	
Environmental protection Pollution control on construction sites (air, noise, wastewater, solid waste)	PMU, PIU, contractors		November 2020	Project Consultant Environmental Specialist
Environmental monitoring - Monitoring methods, data collection and processing, reporting systems	PMU, PIU, contractors,		November 2020	Project Consultant Environmental Specialist MoE (environmental analyst)
WWTP or landfill Management	Operators		Prior to start of operation	Project Consultant Environmental Specialist
CW01 Lot 2 – Battambang: Wastewater				
EMP adjustment and implementation - Development and adjustment of the EMP, roles and responsibilities, monitoring, supervision and reporting	PMU, PIU, contractors		November 2020	Project Consultant Environmental Specialist
Grievance Redress Mechanism (GRM)-roles and responsibilities	PGRC/PRSC	August 2019		
Grievance Redress Mechanism (GRM)-roles and responsibilities	PMU, PIU, contractors, Commune Councils		To be planned	Project Consultant Environmental Specialist
Environmental protection Pollution control on construction sites (air, noise, wastewater, solid waste)	PMU, PIU, contractors		November 2020	Project Consultant Environmental Specialist
Environmental monitoring -Monitoring methods, data collection and processing, reporting systems	PMU, PIU, contractors,		November 2020	Project Consultant Environmental Specialist MoE (environmental analyst)
WWTP or landfill Management	Operators		Prior to start of operation	Project Consultant Environmental Specialist

2.3 ADB Approvals

16. The following table gives information on the status of the safeguards documents.

Table 5. Status of Environmental Safeguard Documents

Safeguards Documents	Update Issued (Latest Version)	Submitted to MPWT	Submitted to ADB	Comment
IEE CW01 Lot 1 – Steung Saen: Wastewater and drainage	04-04-2020	15-05-2020	18-05-2020	Version: Updated after DED Status: ADB to send comments
EMP CW01 Lot 1 – Steung Saen: Wastewater and drainage	09-04-2020	15-05-2020	18-05-2020	Version: Updated after DED Status: ADB to send comments
IEE CW01 Lot 2 – Battambang: Wastewater	24-04-2020	15-05-2020	18-05-2020	Version: Updated after DED Status: ADB to send comments
EMP CW01 Lot 2 – Battambang: Wastewater	13-04-2020	15-05-2020	18-05-2020	Version: Updated after DED Status: ADB to send comments
IEE CW02 - Serei Saophoan: Wastewater and drainage	28-04-2020	10-06-2020	07-2020	Version: Updated after DED Status: Included in bid documents
EMP CW02 - Serei Saophoan: Wastewater and drainage	01-06-2020	10-06-2020	07-2020	Version: Updated after DED Status: Included in bid documents
IEE CW03a – Serei Saophoan: Solid waste management	25-05-2020	n/a	n/a	Version: Updated after DED Status: PMC to update after new design
EMP CW03a – Serei Saophoan: Solid waste management	25-05-2020	n/a	n/a	Version: Updated after DED Status: PMC to update after new design
IEE CW03b – Steung Saen: Solid waste management	30-05-2020	20-06-2020	n/a	Version: Updated after DED Status: PMC to update after new design
EMP CW03b – Steung Saen: Solid waste	05-06-2020	30-06-2020	n/a	Version: Updated after DED Status: PMC to update after new design
IEE CW03c – Battambang: Solid waste	20-04-2020	n/a	n/a	Version: Updated after PPTA Status: PMC to update after DED
EMP CW03c – Battambang: Solid waste	13-04-2020	n/a	n/a	Version: Updated after PPTA Status: PMC to update after DED

2.4 National Approvals

17. The following table gives an update on the status of necessary national approvals required for the project to proceed.

Table 6. Status of Initial Environmental and Social Impact Assessment (IESIA).

Documents	Submitted to MoE	Approved By MoE:	Status – if not approved	Comment
IESIA CW01 Lot 1 – Steung Saen: Wastewater and drainage	March 2020	May 2020		Site approved on 07/05/2020
IESIA CW01 Lot 2 – Battambang: Wastewater	March 2020	May 2020		Site approved on 07/05/2020
IESIA CW02 - Serei Saophoan: Wastewater and drainage	n/a			National consultants engaged – SBK Site to be approved by MOE
IESIA CW03a – Serei Saophoan: Solid waste management	n/a			National consultants engaged – SBK Site approved on 14/10/2019
IESIA CW03b – Steung Saen: Solid waste	n/a			National consultants engaged – SBK Site to be approved by MOE
IESIA CW03c – Battambang: Solid waste	n/a			National consultants engaged – SBK Site to be approved by MOE

2.5 Construction Environmental Management Plan (CEMP) Approvals

18. The following table confirms the status of the Construction Environmental Management Plan (CEMP) for each CW package, no contracts awarded within the reporting period:

Table 7. Status of CEMP Approvals

Civil Works Package/ Subproject	CEMP Given to PMU	Approved By PMU:	Comment:
CW01 Lot 1 – Steung Saen: Wastewater and drainage	n/a		
CW01 Lot 2 – Battambang: Wastewater	n/a		

CW02 - Serei Saophoan: Wastewater and drainage	n/a		
CW03a – Serei Saophoan: Solid waste management	n/a		
CW03b – Steung Saen: Solid waste	n/a		
CW03c – Battambang: Solid waste	n/a		

3 EMP IMPLEMENTATION

3.1 Environmental Performance

19. The following table gives the environmental impact mitigation measures in the Borrower (Project) EMP and the corresponding CEMP and how the project is progressing with implementing the mitigation measures, for each subproject.
20. The evidence for the compliance is through a combination of:
- Site visits to observe site practices;
 - Consultation with affected people;
 - Regular environmental reporting

3.1.1 Subproject

Table 8. Status of EMP Compliance subproject

	EMP Requirement (Mitigation Measure)	Compliance & Description (Yes, No, Partial)	Comment or Further Explanation if Needed	Reasons for Not Full Compliance
1	n/a			
2				
3				
4				
5				
6				

21. For all 'Partial' or 'No' compliance issues in the table above, the actions needed to solve the compliance issues are in the table below:

Table 9. EMP– Actions Needed for Compliance subproject

	EMP Requirement	Further Action to Take	Date for Action	Who will Implement Action
	n/a			

22. The following table gives information on environmental performance issues from previous Environmental Monitoring Reports. This table confirms that the action was completed or that the action is outstanding.

Table 10. EMP Compliance Outstanding Issues from Previous Report(s) subproject

EMP Requirement	Further Action to Take	Responsibility and Timing	Resolution	Required Action
n/a				

3.2 Health and Safety Performance

23. The following table gives the Health and Safety impact mitigation measures in the Borrower EMP and how the project is progressing with implementing the mitigation measures, for all subprojects.

Table 11. Status of Health and Safety Compliance - ALL subprojects

	Health and Safety Requirement	Compliance & Description (Yes, No, Partial)	Comment or Further Explanation if Needed	Reasons for Not Full Compliance

	n/a			

24. For all 'Partial' or 'No' compliance issues in the table above, the actions needed to solve the compliance issues are in the table below:

Table 12. Status of Health and Safety Actions Needed for Compliance - ALL subprojects

	Health and Safety Requirement	Further Action to Take	Date for Action	Who will Implement Action
	n/a			

25. The following table follows up on Health and Safety performance issues from previous Environmental Monitoring Reports for this subproject. This table confirms that the action was completed or that the action is outstanding.

Table 13. EMP Compliance Outstanding Issues from Previous Report(s) – ALL subprojects

Issue	Required Action	Responsibility and Timing	Resolution	Required Action
n/a				

4 EMP MONITORING

4.1 Environmental Quality Monitoring

4.1.1 CW01 Lot 1 – Steung Saen: Wastewater and drainage

26. Environmental quality monitoring requirements are defined in the Monitoring Plan section of the EMPs. The following table gives a summary of the environmental quality monitoring requirements for each subproject:

Table 14. EMP Environmental Quality Monitoring Requirements: CW01 Lot 1 – Steung Saen: Wastewater and drainage

Environmental Issue Monitored	Location	Parameters	Responsible Organisation	Frequency
Air Quality -including	Nearest residential receptor (2 locations) (Monitor only when construction activities occur within 250 m)	PM10, CO ₂ , NO ₂ , SO _x	Contractor	1 day (24-hr) per 3 months Means in accordance with national standard
Noise	Nearest residential receptor (2 locations) (Monitor only when construction activities occur within 250 m)	Peak and average dB	Contractor	1 day (day time only) per 3 months Means in accordance with national standard
Water Quality	Downstream at nearest water body (canal or river) to construction sites - two samples (Monitor when construction is active)	All parameters required as per Cambodian Standards for surface water	Contractor	Every 3 months during construction periods Means in accordance with national standard

27. The following table gives information on the environmental quality monitoring implemented, during this reporting period. Detailed results compared to relevant national / international standards are in Annex 1.

Table 15. EMP Environmental Quality Monitoring implemented: CW01 Lot 1 – Steung Saen: Wastewater and drainage

Subproject	Environmental Issue Monitored	Location	Monitoring Date
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n/a			

28. Summary of Results – Noise.

29. n/a

30. Summary of Results – Surface Water quality.

31. n/a

32. Summary of Results – Groundwater quality.

33. n/a

34. Summary of Results – Air quality.

35. n/a

4.1.2 CW01 Lot 2 – Battambang: Wastewater

36. Environmental quality monitoring requirements are defined in the Monitoring Plan section of the EMPs. The following table gives a summary of the environmental quality monitoring requirements for each subproject:

Table 16. EMP Environmental Quality Monitoring Requirements: CW01 Lot 2 – Battambang: Wastewater

Environmental Issue Monitored	Location	Parameters	Responsible Organisation	Frequency
Air Quality -including	Nearest residential receptor (2 locations) (Monitor only when construction activities occur within 250 m)	PM10, CO ₂ , NO ₂ , SO _x	Contractor	1 day (24-hr) per 3 months Means in accordance with national standard
Noise	Nearest residential receptor (2 locations)	Peak and average dB	Contractor	1 day (day time only) per 3 months

	(Monitor only when construction activities occur within 250 m)			Means in accordance with national standard
Water Quality	Downstream at nearest water body (canal or river) to construction sites - two samples (Monitor when construction is active)	All parameters required as per Cambodian Standards for surface water	Contractor	Every 3 months during construction periods Means in accordance with national standard

37. The following table gives information on the environmental quality monitoring implemented, during this reporting period. Detailed results compared to relevant national / international standards are in Annex 1.

Table 17. EMP Environmental Quality Monitoring implemented: CW01 Lot 2 – Battambang: Wastewater

Subproject	Environmental Issue Monitored	Location	Monitoring Date
n/a			

38. Summary of Results – Noise.

39. n/a

40. Summary of Results – Surface Water quality.

41. n/a

42. Summary of Results – Groundwater quality.

43. n/a

44. Summary of Results – Air quality.

45. n/a

4.2 Construction Phase Affected People Consultation

46. During the construction phase, the following table gives information on the consultations that were undertaken in order to understand the impact of the project on Affected People and how effective the EMP Mitigation measures are for residents, businesses and other affected people around the construction sites.

Table 18. Construction Phase Affected People Consultation

Subproject	Consultation Date	Person Consulted / Location	Outcome / Issues	Corrective Action Needed	Action Implemented by (person/date)

5 COMPLAINTS, ISSUES, CORRECTIVE ACTION

5.1 Information Disclosure

47. The following table gives information on any information disclosure activities undertaken:

Table 19. Information Disclosure

Topic / Reason for Information	Subproject	Disclosure Date	Method of Disclosure	Outcome / Results
IEE/DED preparation	Battambang: Wastewater	05-10 May 2020	Meeting	Social Safeguard and Resettlement Specialist check/discuss COI with PIU and GDR Agreed that National WW Engineer & Social Safeguard and Resettlement Specialist to mark centre points of demarcation layout for Battambang wastewater sub-project.
IEE/DED preparation	Battambang: Wastewater	18-19 May 2020	Meeting	Social Safeguard and Resettlement Specialist to address problem in BTB COI with PMU, GDR, and BTB-PIU In conclusion, access road improvement is not a problem as long as it does not impact the irrigation canal. Also, if the water treatment outflow fulfills quality standards it can be directed through the existing canal to Ou Many river.

Topic / Reason for Information	Subproject	Disclosure Date	Method of Disclosure	Outcome / Results
IEE/DED preparation	Battambang: Wastewater	26-29 May 2020	Meeting	PMC team to conduct presentation about resettlement to PMU, Provincial governor, and Local authorities/ consultation with market vendors and farmer along access road WWTP Details about involuntary resettlement and Project RF, What/who are the affected assets, people, and vulnerable group in the subproject, Details of Corridor of Impact (COI), RF for compensation and Entitlement, Cut-off-date, GRM and PRSC, Details about DMS and RCS, temporary market relocation, narrowing down the impact of the subproject, responsibility of contractor during construction on affected assets, affected assets and compensation, and Inform about responsibility of the contractor and GDR during subproject implementation.
IEE/DED preparation	Battambang: Wastewater	31 Mar 2020 - 06 Apr 2020	Meeting and Site visit	National WW Engineer & Social Safeguard and Resettlement Specialist to mark centre points of demarcation layout for Battambang wastewater sub-project. COI field input completed during the site visit.
IEE/DED preparation	Battambang: Wastewater	23-25 April 2020	Meeting and Site visit	Social Safeguard and Resettlement Specialist and Env. Safeguard Specialist conduct training DMS and meet with PDOWRAM for WWTP
IEE/DED preparation	Serei Saophoan: Wastewater and drainage	29 April 2020	Meeting	Presentation of DED for Serei Saophoan wastewater sub-project. MPWT/PMU had questions on sludge pond operation, capacity of septage receiver, safety system downstream WWTP process (fish pond), number of pump stations and MPWT specifications. All questions were answered and minutes of meeting prepared.
IEE/DED preparation	Steung Saen: Solid waste management	09-11 Mar 2020	FGD	Conducted public consultation meeting with waste pickers for IRP The project will close the existing dumpsites which has waste pickers working on them, which will cause impact on livelihoods. Income Restoration Plan (IRP) for the waste pickers will be included in the WWTP DRPs for in Steung Saen.

5.2 Grievance Redress Mechanism

48. The Grievance Redress Mechanism (GRM) is designed to receive, evaluate and facilitate the resolution of residents' concerns, complaints and grievances during project implementation. A Provincial Grievance Redress Committees (PGRC) has been established in each of the three cities and are operational.

The GRM contact details for each subproject are listed in **Error! Reference source not found.** GRC establishment was done with the following reference letters:

- **Battambang:** PGRC with reference letter 037/19 SSR and PRSC with reference letter 036/1E SSR dated on **13 March 2019**.
- **Serei Saophoan:** PGRC with reference letter 112/19 SSR and PRSC with reference letter 113/19 SSR dated on **25 February 2019**.
- **Steung Saen:** PGRC with reference letter 1051/19 SSR and PRSC with reference letter 070/19 SSR dated on **28 February 2019**.

49. The following table gives information on complaints about the project the Project Team is aware of, during this reporting period. The table includes:

- Complaints made thorough GRM entry points
- Issues raised in consultation;
- Issues raised any other way that the project team is aware of.

50. For issues that have already been solved, this is confirmed in the final column of the table. Where possible the project tries to solve all issues as quickly as possible through informal discussions between the affected people and the contractor.

Table 20. Project Complaints or Issues

Details of Complaint / Issue Raised	Detail of Person (Date, Name, Contact Details)	Action Needed & Date	Comment / Resolved?
n/a			

51. The following table gives information on all issues raised in previous SEMRs which are not yet resolved:

Table 21. Project Complaints or Issues – Not resolved from previous reports

Details of Complaint	Detail of Person (Date, Name, Contact Details)	Action Needed & Date	Reason this is still not resolved
n/a			

5.3 Corrective Action

52. The following table gives information on any formal corrective action that has been issued to the contractor in order to improve environmental performance:

Table 22. Corrective Action Issued

Reason for Corrective Action	Date Issued	Outcome	Comment / Follow Up
n/a			

6 CONCLUSION & RECOMMENDATION

53. Conclusion: No construction activities have started within the reporting period. During the monitoring period the principal activities regarding the environmental safeguards have been observation, consultation with local authorities, PIU, and face to face interview/consultation with the local people living along the project site and surrounding; support national company to complete the IESIA; and prepare IEEs and EMPs for the relevant projects.
54. Recommendations: Next step include finalizing the local IESIAs, developing the other IEEs and EMPs and receiving and reviewing the CEMPs that will be prepared by the selected contractors.

Annex 1 Environmental Quality Monitoring Results

None

Annex 2 Photo Record – Visits, Monitoring, Consultation

Photographs of Site Visits

Photographs of Environmental Quality Monitoring

Photographs of Consultation

Annex 3 Grievance Redress Mechanism

1 GRIEVANCE REDRESS MECHANISM

1.1 GRM Objective

A grievance redress mechanism (GRM), consistent with the requirements of the ADB Safeguard Policy Statement (2009) will be established to prevent and address community concerns, reduce risks, and assist the project to maximize environmental and social benefits. In addition to serving as a platform to resolve grievances, the GRM has been designed to help achieve the following objectives: (i) open channels for effective communication, including the identification of new environmental issues of concern arising from the project; (ii) demonstrate concerns about community members and their environmental well-being; and (iii) prevent and mitigate any adverse environmental impacts on communities caused by project implementation and operations. The GRM is accessible to all members of the community.

The GRM contact details for each Subproject are listed in table below.

Table 23: Contact Details for GRM

Province	Subproject	Contact person for GRM			
		Commune	Province	PIU	Contractor
BTB	SWM				
BTB	WWTP	Ratanak Mr. Yuos Yern ^[SEP] Tel: 092 330181 Preah Prah Sdac Mr. Tao Horn ^[SEP] Tel: 012 365279	Battambang city Peng Sithy Sang Kae District Lum Sorm Ek Phnom District Mel Sophal Kim Vannak City Tep Horn	Keum Sokuntheary Tel: 092 818 017	TBD
SPH	SWM				
SPH	WWTP	Sangkat Kampong Roteh Leang Chuon Tel: 017 366 028 Sangkat Dmorei Choan Khla Heng Sochenda Tel: 011 889 222 Sangkat Kampong Thom Trork Luem Tel: 092 907 355 Sangkat Oukunthou Chiv Kem Un Tel: 012 214 628 Sangkat Trapaeng Russey Uk Vannary Tel: 092 911 664	Excellency, Sok Lou Provincial Governor Tel: 012 658 668	Chou Kulla Director of KTH DPWT Tel: 012 971317	TBD
STS	SWM				
STS	WWTP				

1.1. Proposed GRM System

In Cambodia, there is currently no existing legally established system to resolve environmental concerns and complaints. The MPWT, as the EA of the Tonle Sap II will establish the GRM. The setup shall be made before commencement of site works and have members from the PMU, district authority and commune councils. Grievances can be filed in writing or verbally with any entry point of the GRM. The committee will have 15 days to respond with a resolution. The PMU's Environment Safeguards Officer (PMU-ESO) will oversee the implementation/observance of the mechanism and will be responsible for keeping the PMU informed. The PIU Safeguards Focal Point (PIU-SFP) will be responsible for ensuring GRM implementation at the subproject level.

The GRM will accommodate both informally and formally lodged eligible, grievances. Informally lodged grievances are those received by the contractor during construction. Formally lodged grievances are those received at District and Commune Council offices or direct to the PIU. Commune Councils evaluate complaints for eligibility and then report to PDPWT. The PDPWT and PMU maintain record of all grievances, informally and formally lodged, eligible and ineligible. The PMU will inform the MPWT, as necessary, and report on the observance/implementation of the GRM in the monthly progress reports and in the periodic Environmental Monitoring Report that will be submitted to the MPWT.

1.1.1. Access to the Mechanism

Any person who has environmental issues pertaining to the subproject during detailed design, construction and operation phases will have access to the mechanism free of charge. The PMU, through its Environment Safeguards Officer (PMU-ESO) and staff in the MPWT, will ensure that:

- (i) The public and all stakeholders are aware of their rights to access, and will have access to, the GRM free of administrative and legal charges; and
- (ii) The GRM is fully disclosed prior to construction: (a) in public consultations, (b) through posters displayed in the commune office (posters to include names and contact details of the PIU-SFP)

The Access Points to the GRM are critical for ensuring it is useable for affected people (APs). The GRM Access points for this project, as set out in this GRM Mechanism will be:

- ▶ The Contractors
- ▶ District and Commune Councils
- ▶ The PIU office
- ▶ The Provincial Department of Public Works and Transport (PDWT).

1.1.2. GRM Steps and Timeframe

Grievances raised on environmental impacts are critical to the health and safety of APs. Hence, the proposed mechanism intends to be easily accessible and promptly responsive to APs' complaints.

1.1.3. Informal Approach

Informally, APs can lodge complaints directly to the contractor during construction. PMU to provide contractor with GRM contact details which the contractor will use to print 'GRM Contact Cards' for its staff to hand to complainants and will keep cards with all vehicles, machinery and site managers/foremen.

Contractor to raise awareness of all workers on how to respond when an AP or member of the public has a complaint i.e. direct the person to the most senior site manager present at the time and/or Contractor GRM focal point and prepare a 'GRM Contact Card'.

The contractor shall document and assess the complaint immediately. If assessment validates the complaint as within the scope of the GRM/eligible, the contractor shall act on the complaint within three days from receipt of complaint. MPWT shall obtain a written confirmation of satisfaction from the AP after 7 days from completion of resolution by the contractor

If assessment invalidates the complaint (i.e., reveals the complaint as ineligible or not associated with the project's environmental performance), the contractor shall direct the AP to the Commune Council and shall report the complaint to MPWT within 2 days from receipt of complaint, stating reasons for ineligibility.

1.1.4. Formal Approach

If complaint is eligible but is not acted on within three days from receipt of complaint, or if AP is not satisfied with the resolution undertaken by the contractor, he/she can access the formal mechanism, as shown in Table 24:

Table 24: GRM Steps

Step	Action
Step 1: Lodging a Complaint (Day 1)	AP lodges complaint, by him/herself or with assistance from the village chief or district council, at the access point with the Commune Council. The complaint may also be lodged with the PIU or PDPWT,
Step 2: Documentation & Registration of Complaint (Day 1)	Commune Council, PIU/PMU or PDPWT documents/registers lodged complaint, makes sure these are referenced and provides AP with a copy of referenced complaint. The commune forwards complaint document to the MPWT. A copy of a proposed GRM Complaint Form is in Annex 3.
Step 3: Assessment and Discussion (Day 1 to 3)	AP shall be informed if the grievance is eligible or ineligible. If it is ineligible, AP shall be directed to the district. If complaint is eligible, AP shall be informed of the expected action timelines as set out in the established mechanism
	If both of the AP and contractor/operator are available, the complaint shall be immediately reviewed, investigated and discussed. If not, both parties should agree to undertake the review, investigation and discussion within 3 days. The discussion will centre on the cause and action/measure to implement and will engage the PIU/PMU. After review and investigation, agreement on actions and measures and time involved shall be made with the AP. Agreement shall be properly documented and filed; MPWT, PIU/PMU, Commune Council and AP shall have copies
Step 4: Implementing the Agreed Resolution	(Day 3 to Day 4) If complaint is minor, i.e., not requiring further investigation and would be easy to resolve, the contractor/operator shall immediately implement agreed on action/resolution. (To be implemented by Day 8)
	If further investigation and/or procurement of supplies/parts would be necessary, the contractor/operator shall: (i) immediately provide the most suitable interim measure to reduce the magnitude of the impact; and (ii) start work on the final measure within 15 days from the day the complaint is lodged.
Step 5: Acceptance of Resolution (1 week after completion of action/measure taken)	If, according to the AP, the impact has been resolved satisfactorily, MPWT shall obtain a written confirmation of satisfaction from the AP. This confirmation will signify closure of grievance and will form part of the grievance documentation. The PIU, Commune Council and AP shall retain their copies of the confirmation.
Step 6: Monitoring and Evaluation (for 1 week after closure of grievance)	The MPWT shall monitor the effectiveness of the resolution for at least a week after closure of grievance (that is, when action implemented has been satisfactorily confirmed in writing by the complainant). Monitoring and evaluation shall be properly documented and included in the Environmental Monitoring Report.
Step 7: Appeal for Dissatisfied AP	When dissatisfied (or, in the event the issue/impact persists despite actions undertaken), AP can appeal for assistance from the district in the elevation of his/her complaint to the provincial authority. The provincial authority shall call all parties concerned to review the history of the grievance and resolution process taken and assess the validity of the appeal.

Appeals. If appeal is found not valid, the provincial authority shall write the AP and declare the grievance closed. In the event of an appeal, the MPWT shall immediately report to the PMU. The PMU shall ensure that the ADB is immediately informed.

If appeal is assessed to be valid, provincial authority and the parties discuss and agree on the quick resolution of the issue. The PMU requires the contractor and operator to implement the agreed resolution. Should the issue continue to persist despite the second action, or the AP remain dissatisfied, the following steps will be taken:

Special Mission or Judicial System. If the complainant is still unsatisfied, the PMU/EA will inform ADB to convene a special mission to attempt a resolution prior to use of the Cambodian judicial system.

Accountability Mechanism of the ADB. In addition, affected people may always contact the Complaints Receiving Officer of the ADB via the following addresses which will be included in the subproject signboard:

Complaints Receiving Officer, Accountability Mechanism
Asian Development Bank
ADB Headquarters, 6 ADB Avenue, Mandaluyong City 1550, Metro Manila, Philippines
(+632) 632-4444 loc. 70309
(+632) 636 2086
amcro@adb.org

1. Instructions available here: <http://www.adb.org/site/accountability-mechanism/how-file-complaint>.

Sufficient communication on the GRM including signs containing contact details of the GRM access points will be displayed at strategic locations to sustain the effective implementation of the mechanism.