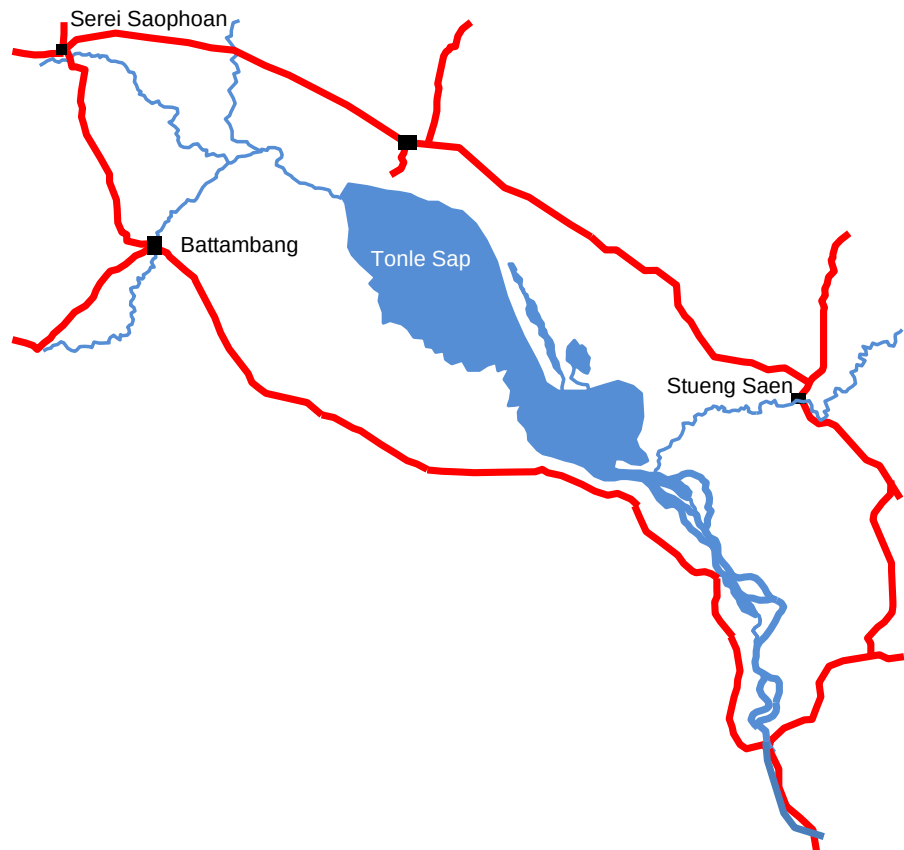




Ministry of Public Works and Transport
The Kingdom of Cambodia

**Second Urban Environmental
Management in the Tonle Sap Basin
Project**
ADB L3684/G0591 CAM



Quarterly Report
Quarter 1, 2022
January to March



Document Control Sheet

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Abbreviations

ADB	Asian Development Bank
CBO	Community-Based Organization
COI	Corridor-of-Impact
CPP	Community Procurement Procedures
CPS	Country Partnership Strategy
CSO	Civil Society Organizations
DC	Development Committee
DDR	Due Diligence Report
DRP	Detailed Resettlement Plan
DRM	Disaster Risk Management
EA	Executing Agency
EMP	Environmental Management Plan
FGD	Focus Group Discussion
GAP	Gender Action Plan
GDR	General Department of Resettlement (MEF)
GRC	Grievance Redress Committee
GRM	Grievance Redress Mechanism
IA	Implementing Agency
IEE	Initial Environmental Examination
IP(s)	Indigenous People(s)
IR	involuntary resettlement (IR)
MEF	Ministry of Economics and Finance
NCB	National Competitive Bidding
NGO	Non-Government Organisation
PIB	Public Information Booklet / Brochure
PIU	Project Implementation Unit
PMC	Project Management Consultant Team
PMU	Project Management Unit
ROW	Right of Way
SWM	Solid Waste Management
TA	Technical Assistance
TNA	Training Needs Assessment
TOR	Terms of Reference
USD	United States Dollar

1 Introduction and Basic Data

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 1.1.
- 2 This is the Quarterly Report for Quarter 1, 2022 (January 1 to March 31).

Figure 1.1 Location of Project Towns



1.2 Basic Data

- 3 The key data for the project are shown in Table 1.1 below.

Table 1.1 Basic Data – TS2

ADB Project number:	Loan 3684, Grant G0591
Project Title:	Second Integrated Urban Environmental Management in the Tonle Sap Basin Project
Borrower/Beneficiary:	Kingdom of Cambodia
Executing Agency:	Ministry of Public Works and Transport
Implementing Agency:	Provincial Governments of Battambang, Serei Saophoan, Stueng Saen
Date of Effectiveness:	14 December 2018
Closing Date:	30 June 2024
Date of Last ADB Mission:	May 2021 (Special Project Administration Mission – Virtual)

1.3 Cost Estimates and Financing Plans

1.3.1 TS2 Cost Estimates and Financing Plan

- 4 The total cost of the project is estimated at US\$97.7m including contingencies. The breakdown of cost estimates is given in Table 1.2.

Table 1.2 TS2 Summary Cost Estimates by Output (\$ million).

Item	Amount
A. Base Cost	
1. Urban environmental infrastructure improved	78.00
2. Institutional effectiveness improved	6.12
3. Policy and planning environment improved	1.10
Sub-Total (A)	85.22
B. Contingencies	10.02
C. Financial Charges During Implementation	2.46
Total (A+B+C)	97.70

Source: Asian Development Bank estimates.

- 5 The summary of the financing plan for TS2 is shown in Table 1.3.

Table 1.3 TS2 Financing Plan

Source	Amount (\$ million)	Share of Total (%)
Asian Development Bank		
Ordinary capital resources (concessional loan)	87.73	89.8
Special Funds resources (ADF grant)	1.27	1.3
Government	8.70	8.9
Total	97.70	100.0

Source: Asian Development Bank estimates.

2 Utilisation of Funds

2.1 Contract Awards and Disbursements

- 6 A summary of the total cumulative contract awards and disbursements is shown in Table 2.1. As of 31st of March 2022, the contract awards amount to a total of **\$75,819,162** and to date disbursements total **\$22,758,413**.

Table 2.1 Summary Contract Awards and Disbursement (US\$)

As of 31 March 2022

Loan/Grant No.	US Dollars					
	Allocation	Contracts Awarded	Uncontracted Loan Balance	Contracts Disbursed	Undisbursed Loan Balance	Undisbursed Contract Balance
	A	B	C = A - B	D	E = A - D	F = B - D
Loan 3684	87,730,000	68,638,101	19,091,899	20,037,710	67,692,290	48,600,391
Grant 0591	1,270,000	1,270,000	-	1,270,000	-	-
Government	8,700,000	5,911,061	2,788,939	1,450,703	4,460,358	2,788,939
Total	97,700,000	75,819,162	21,880,838	22,758,413	72,152,648	51,389,330

Table 2.2 Consolidated Awards and Disbursements, Loan 3684 and Grant 0591

Fund	Allocation	Contracts Awarded	Uncontracted Loan/Grant Balance	Contracts Disbursed	Undisbursed Loan/Grant Balance	Undisbursed Contract Balance	Contracts Awarded %	Contracts Disbursed %
	A	B	C = A-B	D	E = A-D	F = B-D	B/A	D/A
CIVIL WORKS (SEE SF#5)	67,740,000	63,902,073	3,837,927	17,574,943	50,165,057	46,327,130	94%	26%
GOODS AND EQUIPMENT	2,370,000	161,400	2,208,600	161,400	2,208,600	-	7%	7%
CONSULTING SERVICES	5,660,000	5,736,773	(76,773)	3,102,320	2,557,680	2,634,453	101%	55%
INCRE. ADM. COST	750,000	107,855	642,145	91,391	658,609	16,464	14%	12%
INTEREST CHARGE	2,460,000	-	2,460,000	124,656	2,335,344		0%	5%
UNALLOCATED	10,020,000	-	10,020,000	-	10,020,000	-	0%	0%
ADVANCE ACCOUNT			-	253,000	(253,000)			
			-		-	-		
Total	89,000,000	69,908,101	19,091,899	21,307,710	67,692,290	48,978,047	79%	24%

Table 2.3 Awards and Disbursements Status, Loan 3684

Fund	Allocation	Contracts Awarded	Uncontracted Loan/Grant Balance	Contracts Disbursed	Undisbursed Loan/Grant Balance	Undisbursed Contract Balance
	A	B	C = A-B	D	E = A-D	F = B-D
CIVIL WORKS (SEE SF#5)	66,470,000	62,632,073	3,837,927	16,304,943	50,165,057	46,327,130
GOODS AND EQUIPMENT	2,370,000	161,400	2,208,600	161,400	2,208,600	-
CONSULTING SERVICES	5,660,000	5,736,773	(76,773)	3,102,320	2,557,680	2,634,453
INCRE. ADM. COST	750,000	107,855	642,145	91,391	658,609	16,464
INTEREST CHARGE	2,460,000	-	2,460,000	124,656	2,335,344	
UNALLOCATED	10,020,000	-	10,020,000	-	10,020,000	-
ADVANCE ACCOUNT	-		-	253,000	(253,000)	
Total	87,730,000	68,638,101	19,091,899	20,037,710	67,692,290	48,978,047

Table 2.4 Awards and Disbursements Status, Grant 0591

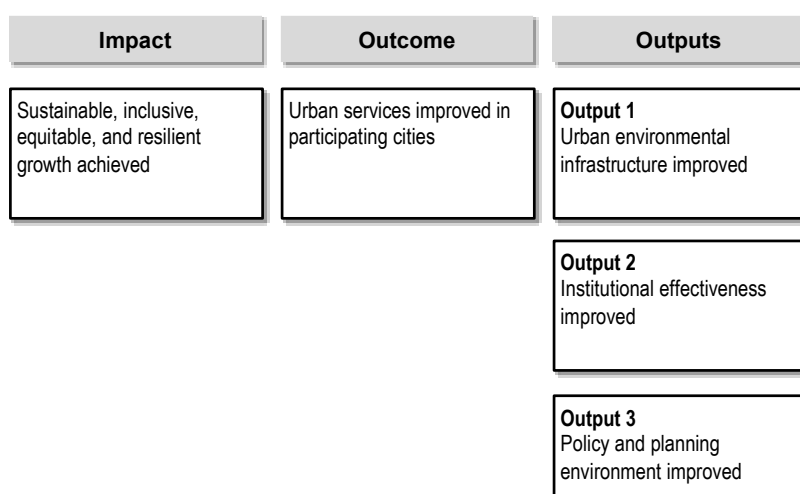
Fund	Allocation	Contracts Awarded	Uncontracted Loan/Grant Balance	Contracts Disbursed	Undisbursed Loan/Grant Balance	Undisbursed Contract Balance
	A	B	C = A-B	D	E = A-D	F = B-D
Works	1,270,000	1,270,000	-	1,270,000	-	-
Total	1,270,000	1,270,000	-	1,270,000	-	-

3 Project Scope and Purpose

3.1 Project Impact, Outcome and Outputs

- 7 The TS2 project will improve urban environmental services in Battambang, Serei Saophoan and Stueng Saen, three of Cambodia's provincial cities located around the Tonle Sap Lake. The project will also improve institutional effectiveness to provide sustainable services and support an improved policy and planning environment for wastewater and solid waste management.
- 8 The Design and Monitoring Framework (DMF) is included in Annex A. The key elements of the DMF are summarised in Figure 3.1 below.
- 9 Currently no major changes to the Project scope or arrangements are envisaged and the Project should meet its original purpose.

Figure 3.1 TS2 Impact, Outcome and Outputs



3.2 Sub-Projects

- 10 The sub-projects as proposed in the RRP are summarised in Table 3.1. Review and verification of the scope of each of the sub-projects is ongoing as part of the detailed design process.

Table 3.1 Proposed Civil Works Sub-Projects

Town	Sub-Projects	Scope of Sub-Projects
Battambang	Wastewater	▪ 8,500 m ³ /day WWTP, 109km sewers
	Solid waste management	▪ 313,900m ³ landfill*
Serei Saophoan	Wastewater & Drainage	▪ 3,500 m ³ /day WWTP, 110km sewers, 7km drains
	Solid waste management	▪ 140,000m ³ landfill*
Stueng Saen	Wastewater	▪ 3,500 m ³ /day WWTP, 54km sewers, 57km drains
	Solid waste management	▪ 97,900m ³ landfill*

Source: PPTA reports

* For first phase to 2030

3.3 Safeguards

3.3.1 Resettlement

- 11 The position regarding resettlement data/ documentation and the next steps are shown in Table 3.2. The overall status of resettlement safeguards is summarised in Table 3.3.
- 12 All detailed resettlement plans (DRPs) and due diligence reports (DDR) required for non-objections of site hand over and start of construction works have been completed for TS2. Social safeguards review and associated documentation has been conducted for all of the variation orders (VOs)

processed so far for the on-going construction. Compensation process for all subprojects is fully completed.

- 13 In the reporting period, BTB SWM subproject construction has been completed and handed over, completing monitoring of the subproject. PMC has continued to provide technical support to contractors and PIUs. Details of resettlement and social safeguards construction implementation progress is given in PMU/PMC semi-annual social safeguards monitoring reports.

Table 3.2 Resettlement Documentation and Next Steps

Town	Sub-Projects	Pending data / documentation	Next steps in following quarter	Timeframe
Battambang	Wastewater	▪ None	▪ Consult market vendors prior to night-time construction at market area*	▪ 30/06/22
	Solid waste management	▪ None	▪ Completed	▪ n/a
Serei Saophoan	Wastewater & Drainage	▪ None	▪ Provide temporary toilets for 3 AHs along railway* ▪ Consult market vendors prior to night-time construction at market area*	▪ 30/06/22 ▪ 30/06/22
	Solid waste management	▪ Update design	▪ None	▪ n/a
Stueng Saen	Wastewater	▪ None	▪ Consultation with market vendors and monitoring temporary market relocation* ▪ Social Audit for WWTP site (to be done by GDR & ADB)	▪ 30/06/22 ▪ 30/06/22
	Solid waste management	▪ None	▪ None	▪ n/a

* As per construction schedule

3.3.2 Environment

- 14 The overall status of environmental safeguards is summarised in Tables 3.4 and 3.5 and key activities of the PMC are summarized below.
- 15 PMC has undertaken an environmental review of Variation Order No. 3 under the **Battambang Solid Waste Management subproject**. The variation order covers construction of waste cell No. 4 and as per PMC's assessment, the variation order is covered under the current IEE/EMP.
- 16 PMC has updated the IEE/EMP for **Stueng Saen Wastewater and Drainage subproject** ensuring that the documents adequately address Variation Order No. 3 for the subproject including in particular removal of 19 km drains, disposal of septic waste from disconnected households during construction and disposal of excess soil and concrete structures. The updated IEE and EMP have been disclosed on ADB's website on 22 February 2022.
- 17 PMC has undertaken an environmental review of Variation Order No. 1 under the **Stueng Saen Solid Waste Management subproject**. The variation order covers corrections of various discrepancies between drawings and bill of quantities as well as additional backfilling to raise the base level of the landfill cells due to higher groundwater levels than originally anticipated. PMC has concluded that the variation order is covered under the current IEE/EMP.

Table 3.3 Status of Resettlement Safeguards

TS-2	Subproject / IR category	Site Agreed	Land ownership	Cadastre data	Demarcation (PMC)	PIB	Pre-screening report	Land acquired (ha)	DED submitted to GDR	Consultation	DMS/SES & RCS	DRP / DDR	Comments
Battambang	Landfill / C	Yes	Private	Requested	Yes	Distributed	Submitted	21 ha	Yes, with adjusted COI for access road. VO1-3 processed	Apr-Jun.20	n/a	DDR approved Dec.20	Construction completed and handed over.
	Wastewater / B	Yes	Private	Yes	Yes	Update distributed in Nov 21	n/a	10 ha	Yes, including adjusted COI. VO1-2 processed	Apr-Jul.20	Apr-Jul.20	DRP approved Jul.20	Construction on-going. Consultation with market vendors to be done.
Serei Saophoan	Landfill / B	Yes	Private	Requested	Yes	Distributed January 2021	Submitted	10 ha	DED update on-going (draft expected Apr.2022)	Nov-Dec.20	Nov-Dec.20	DRP approved Mar.21	Awaiting DED and bidding process. Access road compensated already by GDR, additional IR impact to be avoided in design
	Wastewater / B	Yes	Private	Requested	Yes	Update distributed in Aug 21	Submitted	24 ha	Yes, including adjusted COI and WWTP site				Construction on-going. Consultation with market vendors to be done.
Stung Saen	Landfill / C	Yes	Private	Yes	Yes	Update distributed in Nov 21	Submitted	20 ha	Yes, with adjusted COI for access road. VO1 processed	Mar.20	Mar.20	DDR approved Dec.20	Construction on-going.
	Wastewater / B	Yes	State 6 ha/Private 10 ha	Yes	Yes		Yes (14.3. 2019)	10 ha	Yes, with adjusted COI for access road. VO1-3 processed and VO4 is being prepared	11-12/2019 2-3/2020	Aug-Feb.20 / Mar.20	DRP approved Mar.20	Construction on-going. GDR to conduct social audit (20 AH at WWTP site). Consultation with market vendors to be done. VO4 to be completed and reviewed for safeguards.

Table 3.4 Status of IESIA Preparation TS2

Documents	Submitted to MoE	Approved By MoE:	Comments
IESIA CW01 Lot 1 – Stueng Saen: Wastewater and drainage	March 2020	May 2020	
IESIA CW01 Lot 2 – Battambang: Wastewater	March 2020	May 2020	
IESIA CW02 - Serei Saophoan: Wastewater and drainage	Final draft 31 Dec 20	11 February 2021	
IESIA CW03a – Serei Saophoan: Solid waste management	Final draft 31 Dec 20	02 March 2021	Due to design changes, MOE has been approached to confirm if the IESIA needs to be updated and MoE has requested the PMU to submit the redesign report to enable MoE to make a decision
IESIA CW03b – Stueng Saen: Solid waste	2 nd Final draft 02 February 2021	12 July 2021	
IESIA CW03c – Battambang: Solid waste	Final draft 31 Dec 20	10 February 2021	

Municipality	Sub-project	Preparing draft ToR and submit to MoE for review	Discussion meeting with MoE and revise the ToR	Approval from MoE for conducting field survey on Physical, Natural and Social Resources	Preparing draft IEIA report	Submit the draft IEIA to MPWT for comments	Revised the first draft IEIA and submit to MoE	MoE conducting field visit	Discussion meeting on the draft	Revised 1st draft base on comments from MoE	Submission 2nd draft for Inter-Ministry meeting	Inter-Ministry meeting on 2nd draft	Prepare final draft based on comments from Inter-Ministry meeting	Minutes preparation for approval report	Document preparation for issuing license
Battambang	Wastewater	July 2019	Aug 2019	Oct 2019	Nov 2019	Nov 2019	Nov 2019	Nov 2019	Dec 2019	Jan 2020	Jan 2020	Feb 2020	Mar 2020	April 2020	May-2020
	Landfill	April 2020	June 2020	July 2020	July 2020	July 2020	29 July 20	10 Aug 2020	Aug 2020	Sept 2020	28 Sept 2020	03 Dec 20	31 Dec 20	Jan 2021	10-Feb-2021
Serei Saophoan	Wastewater	April 2020	June 2020	July 2020	July 2020	July 2020	29 July 20	13 Aug 2020	Sept 2020	Sept 2020	16 Oct 2020	02 Dec 2020	31 Dec 20	Jan 2021	16-Feb-2021
	Landfill	June 2020	June 2020	July 2020	July 2020	July 2020	29 July 20	14 Aug 2020	Sept 2020	Sept 2020	16 Oct 2020	02 Dec 2020	31 Dec 20	Feb 2021	02-Mar-2021
Stueng Saen	Wastewater	July 2019	Aug 2019	Oct 2019	Nov 2019	Nov 2019	Nov 2019	Nov 2019	Dec 2019	Jan 2020	Jan 2020	Feb 2020	Mar 20	April 2020	May-2020
	Landfill	April 2020	June 2020	July 2020	July 2020	MoE approved site 12 Oct 2020	Nov 2020	27 Nov 2020	28 Dec 2020	Dec 2020 to Jan 2021	02 Feb 2021	28 April 2021	May 21	28 Jun 21	12-Jul-2021

Table 3.5 Status of IEEs and EMPs

	Subproject	Site agreed	Land ownership	MOE approval	IEE Update			EMP Update			Notes
					Draft	Submitted to PMU	Submitted to ADB	Draft	Submitted to PMU	Submitted to ADB	
Battambang	Landfill	Yes	Being verified	Yes 13-02-20	Feb-21	10-03-21	Mar-21	Feb-21	10-03-21	Mar-21	IEE/EMP available on: https://www.adb.org/projects/50102-002/main#project-documents
	WWTP	Yes	Private	Yes	16-11-2020	18-02-2021	23-02-2021	16-11-2020	18-02-2021	23-02-2021	IEE/EMP available on: https://www.adb.org/projects/50102-002/main#project-documents
Serei Saophoan	Landfill	Yes	Private	Yes 14-10-19	Feb- 21	Mar-21	Mar-21	Feb-21			Preparation of IEE and EMP awaiting revisions to the landfill design
	WWTP	Yes	Private	Yes 11-02-20	28-04-2020	26-02-2021	18-Mar-2021	01-06-2020	26-02-2021	18-Mar-2021	IEE/EMP available on: https://www.adb.org/projects/50102-002/main#project-documents CEMP approved on 22-Sep-2021
Stueng Saen	Landfill	Yes	Private	Yes	30-05-2020	01-04-2021	07-04-2021	05-06-2020	01-04-2021	07-04-2021	IEE/EMP available on: https://www.adb.org/projects/50102-002/main#project-documents CEMP approved on 11-Aug-2021
	WWTP	Yes	State 6.9 ha. Private 10 ha.	Yes	19-11-2020	18-02-2021	23-02-2021	19-11-2020	18-02-2021	23-02-2021	IEE/EMP available on: https://www.adb.org/projects/50102-002/main#project-documents CEMP approved on 20-Sep-2021

3.4 Gender Action Plan

- 18 The TS2 Project is classified as Effective Gender Mainstreaming (EGM) and the Gender Action Plan monitoring table is shown in Annex F. Identified gender issues include insufficient solid waste collection services, limited sanitation and sewerage systems resulting in poor environmental sanitation, decrease in local business and income during flooding, limited participation in decision-making and representation in the water and sanitation sector of female staff; and limited opportunities to strengthen and expand job opportunities for women.

4 Implementation Progress

4.1 Project Organisation and Management

- 19 The contract for PMC (Contract No. PMU/MPWT/TS-2&CTP-4/CS01) was signed on 26 June 2019 between the Ministry of Public Works and Transport (MPWT) (The Client) and Ramboll Danmark A/S in Joint Venture with Oriental Consultant Global Co., Ltd. and SCE in association with Tancons (Cambodia) Co., Ltd (The Consultant).
- 20 The PMC was mobilized on 15 July 2019. The kick-off meeting took place at MPWT in Phnom Penh on 17th of July 2019 attended by key stakeholders.
- 21 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.
- 22 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.
- 23 As the available office space available in MPWT is insufficient to accommodate the large team, the PMC have rented an office space on the corner of Street 51 and Street 228.

4.1.1 Contract Variations

- 24 Contract Variation No. VO 7 is under preparation and discussion at the time of preparing this Report. The history and status of contract variations is shown in Table 4.1.

Table 4.1 Contract Variations, Current and Previous Quarters.

Period	Variation No.	Key Dates:		No Objection from ADB	Main Items in Variation
		Submitted	Approved by MPWT		
Previous Quarters	1		22 Oct 2019	18 Oct 2019	Replacement International TL and National Deputy TL 1
	2		Feb 2020	March 2020	Change of scope – separate sewers, not combined and traditional procurement not D&B in CTD4, removal of procurement tasks from PMC, change in scope of urban and provincial plan preparation
	3	29 June 2020	29 June 2020		Change in payment schedule for urban and provincial planning Agreement for PMU to pay sub-contractors for preparation of IEIAs
	4	11 September 2020	11 September 2020		Replacement of National Deputy Team Leader 2
	5	May 2021		29 June 2021	Reallocation to home input due to Covid19 restrictions, Additional time spent by PMC due to site changes and COI, scope changes, replacement of solid waste engineers (Intl. and

					Nat.) and Resettlement specialist (Nat).
	6	June 2021	1 July 2021	30 July 2021	Replacement of International TL
	7	March 2022	In progress		Old dumpsites Remediation (TS2 nos.3 and CTDP4 nos. 3) Additional input and reallocation to home inputs experts Additional Supervision support; Serei Saophoan Landfill additional surveys Kratie Wastewater and Drainage additional surveys Master Plans LUMP and PSP translations. COI of Kampong Cham and Stung Treng landfills

This
Quarter 1:

4.2 Progress Monitoring

- 25 A Project Performance Monitoring System (PPMS) is being used to record the progress of the project. The percentage progress by Outputs and Activities according to the PPMS are provided in Annex C.
- 26 The current status of all project activities is summarised in Table 4.2.

Table 4.2 Status of Sub-project and other Project Activities

1. CIVIL WORKS AND EQUIPMENT

Contract No.	Town	Site Approval	Topo Survey	Geo Survey	Status	Action Required	Action By
TS2							
CW01 Lot 1 Wastewater & Drainage WWTP, sewers, drains	Stueng Saen	▪ Yes	▪ Completed	▪ Completed	▪ Construction on-going ▪ VO1+VO2+VO3 approved. VO4 being prepared submit to PMU and ADB	▪ Follow up VO4 preparation	▪ PMC, PIU & Contractor
CW01 Lot 2 Wastewater WWTP, sewers	Battambang	▪ Yes	▪ Completed	▪ Completed	▪ Construction on-going ▪ VO1 + VO2 approved. ▪ Construction of sewer system seriously delayed.	▪ Contractor to Revise construction schedule	▪ Contractor
CW02 Wastewater & Drainage WWTP, sewers, drains	Serei Saophoan	▪ MOE 11.2.20	▪ Completed	▪ Completed	▪ Construction on-going	▪ Contractor on schedule	▪ Contractor
CW03a Landfill	Serei Saophoan	▪ 14 Oct 2019	▪ Completed	▪ Completed	▪ Draft DED on on-going	▪ Ongoing preparation of DED	▪ PMC
CW03b Landfill	Stueng Saen	▪ 12 Oct 2020	▪ Completed	▪ Completed	▪ Construction on-going. VO1 is being prepared	▪ Follow up VO1 approval	▪ Contractor, PMC, PMU & ADB
CW03c Landfill	Battambang	▪ MOE 13.2.20	▪ Yes	▪ Yes	▪ Construction completed ▪ Preparation O&M Manual in Khmer	▪ Follow up Manual preparation ▪ Hand-over of landfill	▪ Contractor ▪ PIU, PMU
G02 Landfill equipment	Battambang Serei Saophoan Stueng Saen		▪ N.a.	▪ N.a.	▪ Equipment report for CW03c submitted to PMU	▪ Bidding process and purchase of equipment	▪ PMU

2. PROVINCIAL PLANS AND LAND USE MASTER PLANS

Output/Activity	Location/Coverage	Status	Next Steps	Action By
TS2				
Provincial spatial plan	Banteay Meanchey	- Workshop on November 26, 2020 - Vision Seminar held on December 25, 2020 - Draft PSP (English) submitted in November 2021 - Final Workshop on Draft PSP on December 3, 2021	Draft PSP (Khmer) submission	PMC
LUMP	Serei Saophoan	- Workshop on November 26, 2020 - Vision Seminar on December 25, 2020 - Draft PSP (English) submitted in October 2021 - Final Workshop on Draft LUMP on December 3, 2021	Draft LUMP (Khmer) submission	PMC
LUMP	Stueng Saen	- Kick-Off Meeting held on July 16, 2021 1st Workshop held on March 7, 2022 - Situation Analysis Report submitted in February 2022	- Vision seminar (May 2022) - Draft LUMP - Second workshop (June 2022)	PMC

Note: Land Use Master Plans / Provincial Plans need first to be translated into Khmer, afterwards the Local Governments will comment on these reports and trainings etc. (Translations of all the reports part of VO7).

3. OTHER ACTIVITIES

Item	Status	Action Required	Action By
IEC	Four bidders NGOs submitted a proposal 17 December 2021. 15 February 2022 draft Bid Evaluation Report submitted. 17 March 2022 Final Bid Evaluation Report submitted to PMU and MOEF for approval.	- Selection of NGO, approval and contracting expected April 2022. - Start activities expected May 2022.	PMU and MOEF
Capacity Building	- Training needs assessment done - First training planned in May 2022 – depending on Covid-19 situation	Preparation of Training Plan in progress.	PMC

4.3 Implementation Activities

4.3.1 Consultant Team

- 27 The PMC team members mobilised during the quarter are shown in Table 4.3. A summary of inputs to date and remaining balances are shown in Annex E (for time-based team members only).

Table 4.3 International and National Consultants Active during the Quarter

Position	Name
International	
Team Leader	René van Doorn
Deputy Team Leader	Lars Orio
Social Safeguards and Resettlement Specialist	Teemu Jantunen
Finance and Institutional Specialist	Alice Thauvin
Urban Development Specialist	Howard Trett
Urban and Regional Planner	Hisako Kobayashi
Urban and Regional Economist	Manabu Fujikawa
Urban Planner	Tomoki Fukunaga
Solid Waste Expert	Steven Long
Social and Gender Expert	Alexander Timmermann
Environmental Safeguards Expert	Peter Gammelgaard Jensen
Capacity Development and Training Specialist	Richard Pope
National	
National Deputy Team Leader	Ho Ratha
Environmental Safeguard Specialist	Yim Chamnan
Sanitation Engineer	Va Vandith
Legal/ PPP Expert	Tan Try
Institutional Development Specialist	Chheav Nak
Social Safeguards & Resettlement Specialist TS2	Chan Narith
Solid Waste Engineer	Yin Somean
Urban Planner	Sim Bovisal
Land Use Management Specialist	David Chandavin
CAD Operator	Lon Saoveasna
Site Engineer Stueng Saen	Saing Soveasna
Site Supervisor Stueng Saen	Ham Laycheang
Site Engineer Battambang	Sem Chenda
Site Supervisor Battambang	Chuon Sokcheak
Site Engineer Serei Saophoan	Tith Sophal
Site Supervisor Serei Saophoan	Chan Saroeun

4.3.2 General Activities

- 28 Activities during this quarter have included meetings with stakeholders, topographical and soil surveys, detailed design work and supervision of 5 construction works contracts.

4.3.3 Activities by Output

- 29 The key activities undertaken during this quarter are summarised in Table 4.4 below.

Table 4.4 Key Implementation Activities by Output During the Reporting Period

Outputs	Summary of Activities Undertaken
Output 1: Urban Environmental Infrastructure Improved	<i>Battambang – Wastewater:</i> - Construction works ongoing; Contractor is far behind schedule. - VOs submitted for additional works
	<i>Battambang – Solid Waste Management:</i> - All Construction works are finished including VOs. - Official Hand-over to PMU first week April 2022.
	<i>Serei Saophoan – Wastewater:</i> - Contractor started with construction activities on-site; - Contractor is behind schedule.
	<i>Serei Saophoan – Solid Waste Management:</i> Start of draft engineering designs (DED) and design Report in January 2022.
	<i>Stueng Saen – Wastewater:</i> - Contractor started with construction activities on-site; - Contractor is on schedule. - VO submitted for additional works
	<i>Stueng Saen – Solid Waste Management:</i> - Construction works ongoing; Contractor is on schedule. - VOs submitted for change in scope
	<i>Battambang, Serei Saophoan, Stueng Saen – Landfill Equipment:</i> Final Equipment and Machinery Report and Technical Tender requirements for Battambang Landfill submitted in January 2022.
Output 2: Institutional Effectiveness Improved	<i>Institutional Arrangements</i> - Review of the legal framework completed. - Field trip of the International Financial and Institutional Specialist in February to Battambang and identification of the main stakeholders met in Battambang; - Preparation of the Institutional Options for Solid Waste Management in Battambang in progress. Presentation of outcome and options to be presented end of April 2022.
	<i>Training Government Staff:</i> - Start preparation of Training Plan/ Programme; planning to submit end of April 2022. - Planned training starts in second quarter 2022.
Output 3: Policy and Planning Environment Improved	<i>Roadmap for Financial Sustainability:</i> Collection of more additional secondary data by the National Institutional Expert started in January 2022.
	<i>Urban Development Strategies and Master Plans:</i> - Banteay Meanchey Draft PSP 2040 (provincial special plan) was submitted November 2021. Final Workshop on Draft PSP was conducted on December 3, 2021 - Serei Saophoan Land Use Master Plan (LUMP): Final Workshop on Draft LUMP was conducted on December 3, 2021 - Stueng Saen Land Use Master Plan – Situation Analysis Report was submitted in February 2022 and Draft LUMP under preparation. 1st Workshop held in March 7, 2022.

4.3.4 Meetings

30 The key meetings held during this quarter are listed in Annex B.

4.4 Project Costs

- 31 Table 4.5 presents the current sub-project signed contracts March 2022 in relation to the Procurement Plan August 2020. It should be noted that the signed Contract values are without any Variation Order whilst under construction; therefore, the final value will be higher than the current contract values as presented in the table below.
- 32 The below table includes only the signed contract values for five civil works contracts, not including Serei Saophoan Landfill construction contract and the Landfill Equipment contracts.
- 33 The current estimate for Serei Saophoan landfill is adjusted to a more realistic estimate of mUS\$6.84. The site is very challenging and the actual estimated value is expected to be significantly higher than the amount in the original Procurement Plan (was originally PPTA estimate of mUS\$2.88).

Table 4.5 Current Estimates of Sub-project Costs (excl. VOs of ongoing sub-projects)

Contract No.	Sub-Project	Contract mUSD (incl. VAT) *	Source	Procurement Plan (10 Aug 2020)	Difference mUSD
CW01	Lot 2: Battambang WWTP and sewerage	21.72	Signed contract value	37.49 **	- 3.01
	Lot 1: Stueng Saen WWTP, sewerage & drainage	12.76	Signed contract value		
CW02	Serei Saophoan WWTP, sewerage & drainage	22.49	Signed contract value	28.95	- 6.46
CW03a	Serei Saophoan Landfill	6.84 ***	Estimate based on similar landfill sites constructions	6.84	0
CW03b	Stueng Saen Landfill	4.09	Signed contract value	3.59	+ 0.50
CW03c	Battambang Landfill	5.34	Signed contract value	7.81	- 2.47
G02	Battambang, Serei Saophoan, Stueng Saen Landfill equipment	2.37	Procurement Plan	2.37	0 ***
	Total for civil works and equipment	\$75.61		\$87.05	- \$11.44

* Contracts including VAT

** Total for the two sub-projects Lot 1 and Lot 2

*** Expected costs similar procurement plan.

- 34 It is anticipated that there will be upward contract adjustments for additional works and variations. This has already been reflected in several variation orders requests submitted by the contractors of the ongoing works. See further table 6.1 including VO's updated till 31 March 2022.

4.5 Procurement

4.5.1 Procurement Plan

- 35 The Procurement Plan for TS2 is shown in Annex G.

4.5.2 Procurement of Civil Works and Equipment

- 36 Five civil works contracts are under construction phase at the moment. The status of procurement of civil works and equipment contracts is summarised in Table 4.6.

Table 4.6 Procurement Status of Civil Works and Equipment Contracts

Package No.	Package Name	Estimated Value (\$m) incl. VAT.	Contract Value (USD) incl. VAT	Method of Procurement	Type of Contract	Review	Submission of Proposed Bidding Documents to ADB	ADB Approval of Bid Docs	Invitation for Bid/ RFP Issued	Bid Opening / Receipt of Proposals	BER to ADB	ADB Approval of BER/ Issuance of NOL	Contract Signing
CW01 Lot 1	Wastewater and Drainage Stung Saen	37.49	12,761,907.54	ICB	Works	Prior	09-Aug-19	13-Aug-19	16-Aug-19	16-Oct-19	01-Dec-19	25-Mar-20	06-Jul-20
CW01 Lot 2	Wastewater and Drainage Battambang		21,717,622.97	ICB	Works	Prior	09-Aug-19	13-Aug-19	16-Aug-19	16-Oct-19	01-Dec-19	25-Mar-20	14-Aug-20
CW02	Wastewater and Drainage Serei Saophoan	28.95	22,486,179.98	ICB	Works	Prior	24-Jul-20	28-Jul-20	31-Jul-20	22-Sep-20	02-Dec-20	19-Mar-21	19-Apr-21
CW03a	Serei Saophoan Solid Waste Management	6.84		ICB	Works	Prior	(Mar-22)	(Apr-22)	(May-22)	(Jul-22)	(Sep-22)	(Oct-22)	(Nov-22)
CW03b	Stung Saen Solid Waste Management	3.59	4,093,763.80	ICB	Works	Prior	22-Jan-21	1 Mach 21	03-Mar-21	06-May-21		03-Jun_21	14-Jun-21
CW03c	Battambang Solid Waste Management	7.81	5,344,474.02	ICB	Works	Prior	16-Oct-20	11-Dec-20	16-Dec-20	28-Jan-21	22-Feb-21	08-Mar-21	15-Mar-21
G02	Solid Waste Management Equipment	2.37		NCB	Goods	Prior	(Apr-22)	(Apr-22)	(May-22)	(Jun-22)	(Jul-22)	(Jul-22)	(Aug-22)

Note: CW03a Serei Saophoan Solid Waste Management and Solid waste management Equipment: provisional forecast dates (...)

All estimated and contract values are inclusive 10% VAT.

4.6 Provincial Planning and Municipality Planning

4.6.1 Activities

37 The key activities undertaken during this quarter are summarised in Table 4.7 below.

Table 4.7 Key Implementation Activities by Output

Outputs	Summary of Activities Undertaken
Output 1: Formulation of Provincial Spatial Plan	<i>Banteay Meanchey:</i> - Workshop on November 26, 2020 - Vision Seminar held on December 25, 2020 - Draft PSP (English) submitted in November 2021 - Final Workshop on Draft PSP on December 3, 2021
Output 2: Formulation of Land Use Master Plan	<i>Sarei Saophaon:</i> - Workshop on November 26, 2020 - Vision Seminar held on December 25, 2020 - Draft LUMP (English) submitted in October 2021 - Final Workshop on Draft LUMP on December 3, 2021 <i>Stueng Saen:</i> - Situation Analysis Report submitted in February 2022 - Workshop on March 7, 2022

5 Compliance with Covenants

38 The status of covenant compliance is shown in the tables in Annex G.

6 Project Implementation Issues

6.1 Issues Affecting Project Implementation Progress

6.1.1 Covid 19

39 The Covid-19 pandemic had significant impact on project operations and progress, however the current situation is improving as more restrictions are lifted.

40 **Recommended Actions:** The Covid situation is being constantly monitored in Cambodia and overseas. As more restrictions are lifted in many countries, it is expected that in next quarter work may progress into business as usual soon.

41 At the moment 5 subprojects are under construction supervision phase, see next sub-paragraphs.

6.1.2 Lot 1: Stueng Saen Wastewater

42 The Contractor has updated his programme including works of VO2 in February 2022. The Contractor is on schedule – planned progress at the end of March 2022 is 44.40%, whereas actual progress is 46.05%.

43 The contractor MCC is pushing and increasing construction activities to finalize as many works as possible before the wet season begins, consequently works are picking up speed and progress is therefore now exceeding the current plan.

- 44 Variation Order 2: The due diligence report (DDR) for the changed COI of the access road to WWTP has been approved by ADB.
- 45 Variation Order 3 (VO3) was approved by ADB with the no objection letter (NOL) dated 24th March 2022. The final VO3 included funding for resettlement and environmental issues. The VO increased the total contract price with US\$ 1,408,141.37 from US\$ 13,832,566.84 to US\$ 15,240,708.21 inclusive of Value Added Tax (VAT).
- 46 VO3 consisted of:
- Reinforced Concrete Piles for Wastewater Treatment Buildings.
 - Drainage Collection Systems: earthworks, reinforced concrete works and reinstatement works.
 - Mitigation of environmental impact when removing of existing drainage. The contractor has to use a pump truck to pump wastewater from septic tanks and transportation to disposal place.
 - Disposal of spoil materials of removed existing drainage to mitigate the environmental impact.
 - Compensation for damages when existing drainage is removed.
- 47 VO4 is under preparation and consists of:
- Covid-19 measures were not included in the Contract (2019) and are now included to cope with national regulations for Covid-19. The estimation is based on expenses per month and will only be paid as long as regulations apply. Total estimated cost USD 59,749,48 excl. VAT.
 - In VO2 quantities for sewers and manholes were changed to match with the Contract drawings. However, after contractor's detailed design of tertiaries it has been necessary to install the pipes and manholes deeper at some locations to be able to use gravity. Total estimated cost USD 110,330.50 excl. VAT.
 - Additional work for Road pavement repair of sewer works: The quantities for road repair in the BoQ of the contract are not coherent with actual work. The main differences are for subgrade (unsuitable excavated material replaced by sand) and concrete (more roads with concrete surface than indicated in BoQ). Total estimated cost USD 431,903.13 excl. VAT.
 - Relocation of PS1: This was necessary because the Tender documents allocated site PS1 is too small for wet-well structures. The relocation included also related works, namely a deeper wet well, installation of more length of gravity sewer and less length of pumping main. Estimated cost for the wet well is USD 32,897.38 excl. VAT and estimated cost for the pipelines is USD 399,824.71 excl. VAT.
 - Reduced length PS2 force main from 3,100m to 457m saving construction cost. A superstructure for PS2 wet well has been added for security reasons. Total estimated saving is USD (221,052.53) excl. VAT.
 - A U-drain in street 10 is missing from contract drawings and BoQ. Total estimated cost USD 58,519.09 excl. VAT.
 - U-drains depth deeper than 1.50m are missing in the BoQ, however 633m are indicated on the Contract drawings. The cost breakdown for deeper U-drains is 245.87 USD/m. Total estimated cost USD 101,268.95 excl. VAT.
- 48 PMC is working with the contractor MCC and PIU to explore potential savings in the Contract, e.g., reduction of tertiary sewers, household connections and drainage in Zone C and D. VO4 will include the proposed reductions to make the VO4 cost neutral.
- 49 **Recommended Actions:** Finalizing VO4 including environmental and safeguards review and reduction of works.

6.1.3 Lot 2: Battambang Wastewater

- 50 Contractor is working on buildings at WWTP, concrete pavement for access road to WWTP and installing the pressure main from North pump station to WWTP. HDPE-liner for ponds have arrived on site, but not been installed due to rain.
- 51 Around 30% of the shop drawings for sewer works are approved by PMC, however many shop drawings are not yet submitted, such as main sewer lines, tertiary lines and onsite plumbing sewer systems.

- 52 It should be noted that on-site construction works for sewers pipelines (10 months delay), tertiaries pipeline (6 months delay) and house connections have not been started.
- 53 The Contractor is far behind schedule – planned progress at the end of March 2022 should be 36.16%, whereas actual progress is 22.2%. With Contractor's current pace of work activities, the construction works will not finish on time.
- 54 The contractor MTA has been invited to meet with PMU and PMC on 5th April 2022 to clarify how he intend to improve performance.
- 55 **Recommended Actions:** Continue performance and compliance meetings with MTA Contractor.

6.1.4 Serei Saophoan Wastewater

- 56 On-site Construction works started in February 2022.
- 57 The Contractor's activities: a) pre-cast production of manholes and other underground structures, b) Design shop drawing Sewer line in Zone 4 and force mains, c) clearing works at WWTP and d) survey work, e) Backfilling embankment first layer at WWTP, f) Clearing access road, g) Trench Excavation for HDPE force and sewer mains.
- 58 The Contractor is behind schedule - planned progress at the end of March 2022 is 11.51%, whereas actual progress is 2.50%. The contractor is particularly behind the schedule with tertiaries and sewers in zone 4, reinstatement and pump station work.

6.1.5 Battambang Landfill

- 59 The contractor has finished all contractual and Variation Orders (VO) works.
- 60 VO3 was approved. The VO was financed using remaining contingency and unused Provisional sums and did therefore not change the total contract price of US\$ 6,283,747.83 inclusive of Value Added Tax (VAT). VO3 covered:
- Preparation of earth work for Cell 4: (i) preparatory earthworks, (ii) onside access road (447m) to Cell 4 and ramp to base of the Cell 4 (170m).
 - New items: (i) tree planting, (ii) water well for water supply, (iii) improving door and window with steel gritting, (iv) installing signboard, (v) supply and installation 60T Weighbridge, (vi) grass sodding slope protection Cell 4 and (vii) electrical connection from National Grid (EDC).
 - Several adjustments of quantities based on actual works, a/o. gypsum boards, moisture resistance, hinged swing doors, monitoring wells, leachate storage and leachate recirculation system.
- 61 PMC conducted the first inspection for completion landfill project with all parties - the contractor HSB, PMC, PIU and PMU on 16th of March 2022.
- 62 The contractor HSB corrected all defect works and resubmitted for final inspection with participants HSB, PMC, and PIU on 28th March 2022.
- 63 PMC acknowledged all the works are finished. The Final Handover to PMU is planned for April 2022.

6.1.6 Stueng Saen Landfill

- 64 The contractor has backfilled the buildings area and works for buildings construction and excavating the anaerobic and the treated water ponds.
- 65 Variation order 1 (VO1) was submitted to ADB. The VO1 consists of:
- Two boreholes added for measuring groundwater level at Cell 1 and Leachate Pond. Including a project sign board. Total cost US\$ 3,242.16 excl. VAT.
 - Access Road - Bill No. 2: the actual quantities are higher than the quantities in the contract BoQ, e.g., (i) Clearing and grubbing, common excavation, subgrade and few items for pavement, (ii) top

soil, slope protection from erosion and (iii) removal of existing structure missing in the contract BoQ. Total cost US\$ 58,179.65 excl. VAT.

- Site Development - Bill No. 3.1: missing items in the contract BoQ and new items such as: earthwork for building area and earthwork for cell and pond area; clearing and grubbing, common excavation, soil backfilling and compaction. Earth Channel to drain storm water from building area, Planting Trees (Mai Sak) girth 40-50mm - height 1.8m to 2m for greening of the landfill. Total cost US\$ 829,347.68 excl. VAT.
- Buildings - Bill No. 4.1 to No.4.8: actual quantities are higher than original quantities in contract BoQ and related to: levelling, soil excavation for footings; steel deform bars with yield strength 400MPa, tie bar (wire), consistency with contract drawings and specifications; gutter sheet stainless steel (type SS 304) of thickness 0.8mm. Total cost US\$149,089.58 excl. VAT.
- Leachate storage and treatment: changes in BOQ - Bill No. 5.3: protection system against uplifting HDPE Liner from groundwater. Total cost US\$ 20,000.00 excl. VAT.

66 At the moment VO1 is still being discussed as soil backfill rates are too high.

67 The Contractor is behind schedule - Construction of Stueng Saen Solid Waste Management planned progress at the end of March 2022 is 46.28%, whereas actual progress is 21.67% (excluding VO1 works).

6.1.7 Serei Saophoan Landfill

68 The Final Slope Stability Report has been submitted to PMU 4th of March 2022. Wall stability mitigation measures will be included in the detailed engineering designs.

69 During the detailed engineering design activities, it became clear that the existing land boundaries are too close to the quarry wall to be able to install fences around the landfill area. A technical note and maps of land boundary issues around the quarry is under preparation and will be submitted start April 2022 to PMU.

70 It is planned to submit the draft DED designs - for the landfill cells only –, end of April 2022. The building area detailed designs are awaiting the old dumpsite remediation designs.

6.1.8 Works Contracts Value and Overview of VOs

71 The following table 6.1 present the total updated contract values for each project at the end of this reporting period.

Table 6.1 Contract value Work Contracts incl. VOs end of reporting period (incl. VAT)

Package No	Name of the Sub Project	Contract Value (UD\$)	Updated Contract Value incl. VO1	Updated Contract Value incl. VO2	Updated Contract Value incl. VO3	Updated Contract Value incl. VO4
CW 01 Lot 1	Wastewater and Drainage Stung Saen	12,761,907.54	12,761,907.54	13,832,566.84	15,007,410.56	
CW 01 Lot 2	Wastewater and Drainage Battambang	21,717,622.97	22,554,315.11	23,603,051.95		
CW02	Wastewater and drainage Serei Saophoan	22,486,179.98				
CW03a	Serei Saophoan Solid Waste Management					
CW03b	Stung Saen Solid Waste Management	4,093,763.80				
CW03c	Battambang Solid Waste Management	5,344,474.02	5,870,067.21	6,283,747.83		

GO2	Equipment Solid Waste					
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6.1.9 Grievance Redress Mechanism (GRM)

- 72 The GRM is designed to receive, evaluate and facilitate the resolution of residents' concerns, complaints and grievances during project implementation. Grievance Redress Committees (GRC) were established in each of the three towns in 2019. GRC composition did not have any changes in the reporting period. All of the GRCs are fully operational.
- 73 The GRM process is included in the PIBs, have been circulated to the target communities and affected persons for all subprojects. PIBs include GRC contact person names and contact details.
- 74 In the reporting period, no complaints have been reported, verbally or written, via GRM, or directly to PMU, PIU or PMC.

6.1.10 IESIAs

- 75 The PMU directly recruited and contracted Cambodian consultants to undertake the preparation of the required IESIAs. In late 2019 agreement was reached between ADB and MOE that draft IESIAs could be based on outline designs where sites and asset performance parameters would not change during DED. If the PPTA is at a different site, or has a different performance specification, in such cases the IESIA could not be based on the PPTA feasibility study (ref. Relevant Aide Memoire - Nov 2019) and would be based on the consultant's DEDs.

7 Work Plan

- 76 The summary schedule is shown in Annex D.
- 77 The major activities planned wait for the next quarter are shown in Table 7.1 below.

Table 7.1 Key Activities Planned for Next Quarter

Civil Works and Equipment	Activities
Battambang – Wastewater	▪ Ongoing Civil works supervision and monitoring ▪ Contractor training
Battambang – Solid Waste Management	▪ Contractor finished all activities. Hand-over of Landfill to PMU
Serei Saophoan – Wastewater	▪ Ongoing Civil works supervision and monitoring ▪ Contractor training
Serei Saophoan – Solid Waste Management	▪ Preparing the draft DED end of April ▪ Buildings designs and building area design to await the results of old landfill remediation surveys.
Stueng Saen – Wastewater	▪ Ongoing Civil works supervision and monitoring ▪ Contractor training
Stueng Saen – Solid Waste Management	▪ Ongoing Civil works supervision and monitoring ▪ Contractor training
Battambang, Serei Saophoan, Stueng Saen – Landfill Equipment	▪ Landfill equipment specifications for bidding submitted to PMU, awaiting final decision on purchase of LF equipment Battambang,
Institutional Effectiveness	
Institutional assessment	▪ Further review of the legal framework covering (i), wastewater and solid waste sectors; (ii) types and roles of public organizations (national and local administrations, public companies, etc.); (iii) public investment, budgeting and accounting, and revenue sources for public organizations.
Semiautonomous Urban Service Units	▪ Review and assessment of the tasks
Training Government Staff	▪ Delivery of further phases of training plan / programme ▪ Planning to start some training sessions in May-June
Policy and Planning	
Roadmap for Financial Sustainability	▪ Scoping in relation to other TAs, a.o. ongoing Battambang Smart Cities project
Urban Development Strategies and Master Plans	▪ Completion and submission of final PSP for Banteay Meanchey ▪ Completion and submission of final LUMP for Serei Saophoan ▪ Completion and submission of draft LUMP for Stueng Saen

Annex A: Design and Monitoring Framework

TS2 Design and Monitoring Framework

Impact the Project is Aligned with sustainable, inclusive, equitable, and resilient growth achieved (National Strategic Development Plan, 2014–2018) ^a			
Results Chain	Performance Indicators with Targets and Baselines	Data Sources and Reporting	Risks
Outcome Urban services improved in participating cities	By 2026 a. 69,800 people (35,750 women) serviced by new and improved wastewater collection and treatment facilities (2017 baseline: 6,300) b. 188,800 people (96,700 women) served by improved solid waste management (2017 baseline: 61,900) c. 15,700 people (8,040 women) benefit from reduced flooding through improved drainage (2017 baseline: not applicable)	a–c. Annual reports by DPWTs and MPWT, monitoring reports, ADB loan missions, and project completion report	Lack of financial sustainability from limited cost recovery and/or low willingness of households to connect to sewerage network or pay for improved services
Outputs 1. Urban environmental infrastructure improved	By 2024 1a. 3 new wastewater treatment plants with 9,600 m ³ /day capacity constructed (2017 baseline: 0) 1b. 204 km of new sewer networks constructed (2017 baseline: 0) 1c. 26 km of new drainage networks constructed (2017 baseline: 0) 1d. 3 controlled landfills with 528,000 m ³ capacity constructed and operational (2017 baseline: 3 dump sites) 1e. 30% of staff employed in O&M are women (2017 baseline: 0)	1a–e. Project construction records and project progress reports	Construction delays from late approval and implementation of land acquisition and/or resettlement Poor O&M of project infrastructure, given limited local capacity for O&M
2. Institutional effectiveness improved	2a. Semiautonomous USUs established and operational (2017 baseline: not applicable) 2b. 25 government staff (including 10 women) reported increased knowledge on urban service delivery, urban facilities O&M, and public–private partnerships and other institutional arrangements (2017 baseline: 0)	2a. Project progress reports 2b. Training records	Low financial management and technical capacity at PIUs, and ineffective transition to USUs
3. Policy and planning environment improved	3a. Road map for financial sustainability (including tariff road map) developed between MPWT and three provincial governments, with consultation from MEF, MIH, MOWA, MRD, and other agencies (2017 baseline: not applicable)	3a–b. Project progress reports	Ineffective or delayed implementation of financial sustainability road maps
	3b. Urban development strategy and master plan with climate-resilient and gender-responsive measures developed and approved in all three cities (2017 baseline: not applicable)		

Key Activities with Milestones 1. Urban environmental infrastructure improved 1.1 Issue bidding documents for Battambang wastewater and Stueng Saen wastewater and drainage contracts by Q3 2018 1.2 Award works contracts for Battambang wastewater and Stueng Saen wastewater and drainage by Q2 2019 1.3 Complete land acquisition for Serei Saophoan wastewater and all landfills by Q2 2019 1.4 Issue bidding documents for Serei Saophoan wastewater and drainage by Q3 2019 1.5 Issue bidding documents for landfills in all three cities by Q1 2020 1.6 Award works contract for Serei Saophoan wastewater and drainage by Q1 2020 1.7 Award works contracts for landfills in all three cities by Q3 2020 1.8 Complete construction by Q4 2022 2. Institutional effectiveness improved 2.1 Begin on-the-job training for PMU and PIU staff by Q2 2020 2.2 Establish semiautonomous units with adequate staff by Q1 2021 2.3 Conclude on-the-job training for PMU and PIU staff by Q3 2023 3. Policy and planning environment improved 3.1 Begin preparation of urban development strategy and master plans by Q2 2019 3.2 Begin preparation of financial sustainability road map by Q2 2019 3.3 Finalize urban development strategy and master plans by Q4 2019 3.4 Develop financial sustainability road map by Q1 2020
Inputs Asian Development Bank: \$87.73 million (concessional loan) Asian Development Fund Disaster Risk Reduction Fund: \$1.27 million (grant) Government: \$8.70 million
Assumption for Partner Financing Not applicable.

ADB = Asian Development Bank; km = kilometer; m3 = cubic meter, MEF = Ministry of Economy and Finance; MIH = Ministry of Industry and Handicrafts; MOWA = Ministry of Women's Affairs; MPWT = Ministry of Public Works and Transport; MRD = Ministry of Rural Development; O&M = operation and maintenance; DPWT = Department of Public Works and Transport; PIU = project implementation unit; PMU = project management unit, Q = quarter, USU = urban service unit.

a Government of Cambodia. 2014. National Strategic Development Plan, 2014–2018. Phnom Penh. Source: Asian Development Bank.

Annex B: List of Key Meetings Held During this Quarter

Date	
5-6 January 2022	National DTL to have site visits and site meetings with contractor HSB for CW03b contract and contractor MCC for CW01 lot1 contract at Stueng Saen
6 January 2022	PMU to have presentation to PMU and PIU Battambang through video conference on TS2 Landfill Equipment and Machinery Report
10-11 January 2022	National DTL to have site visit and site meeting with contractor BUCG for CW02 contract at Serei Saophoan
11-12 January 2022	National DTL to have site visits and site meetings with contractor MTA for CW01 lot 2 contract and contractor HSB for CW03c contract at Battambang
12-13 January 2022	National DTL to have site visits and site meetings with contractor MCC for CW01 lot1 contract at Stueng Saen
14 January 2022	National DTLs to have a meeting with PMU and Contractor MCC at PMU-Office to discuss Construction issue for CW01 lot1 contract
20-21 January 2022	National DTL to have site visits and site meetings with contractor HSB for CW03b contract and have a technical meeting with contractor MCC for CW01 lot1 contract at Stueng Saen
20-23 January 2022	National Institutional Development Specialist to have meetings with PIU Battambang, Water Authority, CINTRI Staff and visit Landfill site at Battambang
1 February 2022	National DTL to have site visits and technical meetings with contractor MCC for CW01 lot1 contract at Stueng Saen
7– 8 February 2022	National DTL to have site meeting with contractors Landfill and Wastewater subproject and visited at construction site at Stueng Saen
8 February 2022	International Finance and Institutional Specialist and the National Institutional Development Specialist to have a meeting with the PMU director at PMU Office in order to request for meeting with relevant ministries
9 February 2022	International Finance and Institutional Specialist and the National Institutional Development Specialist to have meeting with PIU at Battambang to discuss: - Existing wastewater systems, existing O&M arrangements, and site visits of existing WW assets (e.g. treatment facilities, office of the operating units...) - Existing arrangements for solid waste management in the city - Views on the O&M of the Project landfill - Views on the future of the existing dumpsites
10 February 2022	International Finance and Institutional Specialist and the National Institutional Development Specialist to have Site visits to the existing and new landfills, meeting with Battambang Municipality and the solid waste operators
9– 10 February 2022	National DTL to have joint the meeting with contractors Landfill and Wastewater at Battambang
11 February 2022	National DTL to have joint ground breaking ceremony for wastewater at Serei Saophoan and conducted the technical meeting with contractor
11 February 2022	International Finance and Institutional Specialist and the National Institutional Development Specialist to have Meeting with various provincial departments, site visit (street cleaning and solid waste collection) at Battambang
17 February 2022	National DTL to have joint the technical meeting with contractors at Stueng Saen
14 February 2022	International Finance and Institutional Specialist and the National Institutional Development Specialist to have site visits (on-going wastewater works and existing landfills) and meeting with PIU at Stueng Saen
15 February 2022	International Finance and Institutional Specialist and the National Institutional Development Specialist to have Meeting at MoE with representatives of the Ministry of Environment, debriefing of the site visits with the team
18 February 2022	International Finance and Institutional Specialist and the National Institutional Development Specialist to have Meeting at MoI with representative of the Ministry of Interior to discuss the Approach and strategy for decentralization of urban services in Cambodia, in particular: - Discussion of the decentralization objectives and background in Cambodia - Status of the implementation of Sub-Decree 182, especially in the Project cities - Support provided to Local Authorities: means (human and financial), capacity building, etc. in general and when responsibilities are decentralized - Potential subsidies to Local Authorities - Main rules about local authorities' accounting and budgeting

	Potential exceptions to Sub-decree 182 (e.g., regional landfills)
1-2 March 2022	National Environmental Specialist to have site monitoring and have the construction activities of wastewater subproject and Landfill subproject in Battambang Town
3-4 March 2022	National Environmental Specialist to have site monitoring and have the construction activities of wastewater subproject and Landfill subproject in Serei Saophoan Town
3-4 March 2022	National DTL, Site Engineer and Site Supervisor to have Site Meetings with contractor HSB for CW03b contract and contractor MCC for CW01 lot1 contract at Stueng Saen
6-7 March 2022	Urban Planning Team to have venue check and conducted Land Use Master Plan (LUMP) Workshop at Stueng Saen
10-11 March 2022	National DTL, Site Engineer and Site Supervisor to have Site Meetings with contractor HSB for CW03c contract and contractor MTA for CW01 lot2 contract at Battambang
14-17 March 2022	National DTL to join technical meeting with contractor HSB for CW03b contract, contractor MCC for CW01 lot1 contract at Stueng Saen, and contractor BUCG for CW02 subproject at Serei Saophoan. The International and National DTL also join PMU and Site Engineer as well as Site Supervisor to conduct Inspection for the Handover of Battambang landfill subproject at Battambang
23-24 March 2022	National DTLs, PMU's CTD4 Project Manager, National Environmental Specialist, all Site Supervisors and Site Engineers to have supervision team meeting and training at Serei Saophoan

Annex C: Project Progress by Output.

Activities	Weighting	Plan/Progress (%)	
Overall			
		Plan cumulative %	86.91%
		Progress to date %	70.97%
Output 1: Urban environmental infrastructure improved	70%		
		Plan cumulative %	85.43%
		Progress to date %	71.24%
Wastewater Treatment Plants, Sewerage and Drainage			
		Plan cumulative %	90.63%
		Progress to date %	77.00%
i. Stueng Saen WWTP, Sewerage and Drainage			
		Plan cumulative %	92.30%
		Progress to date %	78.98%
ii. Serei Saophoan WWTP, Sewerage and Drainage			
		Plan cumulative %	86.80%
		Progress to date %	73.34%
iii. Battambang WWTP, Sewerage and Drainage			
		Plan cumulative %	92.80%
		Progress to date %	78.70%
Wastewater Treatment Plants	20%		
		Plan cumulative %	90.47%
		Progress to date %	77.13%
i. Stueng Saen WWTP	33%		
		Plan cumulative %	91.80%
		Progress to date %	78.30%
Site Selection, Surveys and Approval	10%		
		Cumulative %	100.00%
Preparation of Resettlement Plan/Due Diligence Review	5%		
		Cumulative %	100.00%
Preparation/Updating and Approval of IEE & EMP	10%		
		Cumulative %	100.00%
Preparation and Approval of IEIA	10%		
		Cumulative %	100.00%
Implementation of Land Acquisition and Resettlement/Site Purchase	3%		
		Cumulative %	100.00%
Monitoring of Social and Environmental Safeguards	5%		
		Cumulative %	43.00%
Implementation of GAP and Communication Plan	5%		
		Cumulative %	43.00%
Preparation of Detailed Engineering Design	15%		
		Cumulative %	100.00%
Preparation of BOQ and specs	10%		
		Cumulative %	100.00%
Preparation of Bidding Documents	2%		
		Cumulative %	100.00%
Bidding process/Award of contract	5%		
		Cumulative %	100.00%
Construction and Installation	20%		
		Cumulative %	30.00%

ii. Serei Saophoan WWTP	33%		
		Plan cumulative %	86.80%
		Progress to date %	73.60%
Site Selection, Surveys and Approval	10%		
		Cumulative %	100.00%
Preparation of Resettlement Plan/Due Diligence Review	5%		
		Cumulative %	100.00%
Preparation/Updating and Approval of IEE & EMP	10%		
		Cumulative %	100.00%
Preparation and Approval of IEIA	10%		
		Cumulative %	100.00%
Implementation of Land Acquisition and Resettlement/Site Purchase	3%		
		Cumulative %	100.00%
Monitoring of Social and Environmental Safeguards	5%		
		Cumulative %	22.00%
Implementation of GAP and Communication Plan	5%		
		Cumulative %	22.00%
Preparation of Detailed Engineering Design	15%		
		Cumulative %	100.00%
Preparation of BOQ and specs	10%		
		Cumulative %	100.00%
Preparation of Bidding Documents	2%		
		Cumulative %	100.00%
Bidding process/Award of contract	5%		
		Cumulative %	100.00%
Construction and Installation	20%		
		Cumulative %	7.00%
iii. Battambang WWTP	33%		
		Plan cumulative %	92.80%
		Progress to date %	79.50%
Site Selection, Surveys and Approval	10%		
		Cumulative %	100.00%
Preparation of Resettlement Plan/Due Diligence Review	5%		
		Cumulative %	100.00%
Preparation/Updating and Approval of IEE & EMP	10%		
		Cumulative %	100.00%
Preparation and Approval of IEIA	10%		
		Cumulative %	100.00%
Implementation of Land Acquisition and Resettlement/Site Purchase	3%		
		Cumulative %	100.00%
Monitoring of Social and Environmental Safeguards	5%		
		Cumulative %	37.00%
Implementation of GAP and Communication Plan	5%		
		Cumulative %	37.00%
Preparation of Detailed Engineering Design	15%		
		Cumulative %	100.00%
Preparation of BOQ and specs	10%		
		Cumulative %	100.00%
Preparation of Bidding Documents	2%		
		Cumulative %	100.00%
Bidding process/Award of contract	5%		
		Cumulative %	100.00%
Construction and Installation	20%		
		Cumulative %	29.00%

Sewerage & Drainage	30%		
		Plan cumulative %	90.80%
		Progress to date %	76.87%
i. Stueng Saen Sewerage	33%		
		Plan cumulative %	92.80%
		Progress to date %	79.65%
Site Selection, Surveys and Approval	10%		
		Cumulative %	100.00%
Preparation of Resettlement Plan/Due Diligence Review	5%		
		Cumulative %	100.00%
Preparation/Updating and Approval of IEE & EMP	10%		
		Cumulative %	100.00%
Preparation and Approval of IEIA	10%		
		Cumulative %	100.00%
Implementation of Land Acquisition and Resettlement/Site Purchase	3%		
		Cumulative %	100.00%
Monitoring of Social and Environmental Safeguards	5%		
		Cumulative %	37.00%
Implementation of GAP and Communication Plan	5%		
		Cumulative %	36.00%
Preparation of Detailed Engineering Design	15%		
		Cumulative %	100.00%
Preparation of BOQ and specs	10%		
		Cumulative %	100.00%
Preparation of Bidding Documents	2%		
		Cumulative %	100.00%
Bidding process/Award of contract	5%		
		Cumulative %	100.00%
Construction and Installation	20%		
		Cumulative %	30.00%
ii. Serei Saophoan Sewerage and Drainage	33%		
		Plan cumulative %	86.80%
		Progress to date %	73.07%
Site Selection, Surveys and Approval	10%		
		Cumulative %	100.00%
Preparation of Resettlement Plan/Due Diligence Review	5%		
		Cumulative %	100.00%
Preparation/Updating and Approval of IEE & EMP	10%		
		Cumulative %	100.00%
Preparation and Approval of IEIA	10%		
		Cumulative %	100.00%
Implementation of Land Acquisition and Resettlement/Site Purchase	3%		
		Cumulative %	99.00%
Monitoring of Social and Environmental Safeguards	5%		
		Cumulative %	21.00%
Implementation of GAP and Communication Plan	5%		
		Cumulative %	17.00%
Preparation of Detailed Engineering Design	15%		
		Cumulative %	100.00%
Preparation of BOQ and specs	10%		
		Cumulative %	100.00%
Preparation of Bidding Documents	2%		
		Cumulative %	100.00%
Bidding process/Award of contract	5%		
		Cumulative %	100.00%
Construction and Installation	20%		
		Cumulative %	6.00%

iii. Battambang Sewerage	33%		
		Plan cumulative %	92.80%
		Progress to date %	77.89%
Site Selection, Surveys and Approval	10%		
		Cumulative %	100.00%
Preparation of Resettlement Plan/Due Diligence Review	5%		
		Cumulative %	100.00%
Preparation/Updating and Approval of IEE & EMP	10%		
		Cumulative %	100.00%
Preparation and Approval of IEIA	10%		
		Cumulative %	100.00%
Implementation of Land Acquisition and Resettlement/Site Purchase	3%		
		Cumulative %	93.00%
Monitoring of Social and Environmental Safeguards	5%		
		Cumulative %	35.00%
Implementation of GAP and Communication Plan	5%		
		Cumulative %	35.00%
Preparation of Detailed Engineering Design	15%		
		Cumulative %	100.00%
Preparation of BOQ and specs	10%		
		Cumulative %	100.00%
Preparation of Bidding Documents	2%		
		Cumulative %	100.00%
Bidding process/Award of contract	5%		
		Cumulative %	100.00%
Construction and Installation	20%		
		Cumulative %	23.00%
Landfills	15%		
		Plan cumulative %	96.43%
		Progress to date %	75.86%
i. Stueng Saen Landfill	33%		
		Plan cumulative %	97.70%
		Progress to date %	76.60%
Site Selection, Surveys and Approval	10%		
		Cumulative %	100.00%
Preparation of Resettlement Plan/Due Diligence Review	5%		
		Cumulative %	100.00%
Preparation/Updating and Approval of IEE & EMP	10%		
		Cumulative %	100.00%
Preparation and Approval of IEIA	10%		
		Cumulative %	100.00%
Implementation of Land Acquisition and Resettlement/Site Purchase	3%		
		Cumulative %	100.00%
Monitoring of Social and Environmental Safeguards	5%		
		Cumulative %	29.00%
Implementation of GAP and Communication Plan	5%		
		Cumulative %	31.00%
Preparation of Detailed Engineering Design	15%		
		Cumulative %	100.00%
Preparation of BOQ and specs	10%		
		Cumulative %	100.00%
Preparation of Bidding Documents	2%		
		Cumulative %	100.00%
Bidding process/Award of contract	5%		
		Cumulative %	100.00%
Construction and Installation	20%		
		Cumulative %	18.00%

ii. Serei Saophoan Landfill	33%		
		Plan cumulative %	98.20%
		Progress to date %	56.23%
Site Selection, Surveys and Approval	10%		
		Cumulative %	100.00%
Preparation of Resettlement Plan/Due Diligence Review	5%		
		Cumulative %	99.00%
Preparation/Updating and Approval of IEE & EMP	10%		
		Cumulative %	100.00%
Preparation and Approval of IEIA	10%		
		Cumulative %	100.00%
Implementation of Land Acquisition and Resettlement/Site Purchase	3%		
		Cumulative %	100.00%
Monitoring of Social and Environmental Safeguards	5%		
		Cumulative %	0.00%
Implementation of GAP and Communication Plan	5%		
		Cumulative %	0.00%
Preparation of Detailed Engineering Design	15%		
		Cumulative %	84.00%
Preparation of BOQ and specs	10%		
		Cumulative %	41.00%
Preparation of Bidding Documents	2%		
		Cumulative %	79.00%
Bidding process/Award of contract	5%		
		Cumulative %	0.00%
Construction and Installation	20%		
		Cumulative %	0.00%
iii. Battambang Landfill	33%		
		Plan cumulative %	93.40%
		Progress to date %	94.75%
Site Selection, Surveys and Approval	10%		
		Cumulative %	100.00%
Preparation of Resettlement Plan/Due Diligence Review	5%		
		Cumulative %	100.00%
Preparation/Updating and Approval of IEE & EMP	10%		
		Cumulative %	100.00%
Preparation and Approval of IEIA	10%		
		Cumulative %	100.00%
Implementation of Land Acquisition and Resettlement/Site Purchase	3%		
		Cumulative %	100.00%
Monitoring of Social and Environmental Safeguards	5%		
		Cumulative %	79.00%
Implementation of GAP and Communication Plan	5%		
		Cumulative %	40.00%
Preparation of Detailed Engineering Design	15%		
		Cumulative %	100.00%
Preparation of BOQ and specs	10%		
		Cumulative %	100.00%
Preparation of Bidding Documents	2%		
		Cumulative %	100.00%
Bidding process/Award of contract	5%		
		Cumulative %	100.00%
Construction and Installation	20%		
		Cumulative %	94.00%

Staff Employed in O&M are women	5%		
		Plan cumulative %	0.00%
		Progress to date %	0.00%
i. Stung Treng O & M Staff	33%		
		Plan cumulative %	0.00%
		Progress to date %	0.00%
Staff employed in O&M are women	100%		
		Cumulative %	0.00%
ii. Serei Saophoan O & M Staff	33%		
		Plan cumulative %	0.00%
		Progress to date %	0.00%
Staff employed in O&M are women	100%		
		Cumulative %	0.00%
iii. Battambang O & M Staff	33%		
		Plan cumulative %	0.00%
		Progress to date %	0.00%
Staff employed in O&M are women	100%		
		Cumulative %	0.00%
Output 2: Institutional Effectiveness Improved	20%		
		Plan cumulative %	71.13%
		Progress to date %	13.56%
a. Establishment of Urban Services Units	75%		
		Plan cumulative %	70.00%
		Progress to date %	9.00%
Stueng Saen	33%		
		Cumulative %	9.00%
Serei Saphoan	33%		
		Cumulative %	9.00%
Battambang	33%		
		Cumulative %	9.00%
b. Training	25%		
		Plan cumulative %	74.50%
		Progress to date %	27.25%
Training Needs Assessment	25%		
		Cumulative %	100.00%
Training Delivery	75%		
		Cumulative %	3.00%
Output 3: Policy and Planning Environment Improved	10%		
		Plan cumulative %	100.00%
		Progress to date %	98.75%
a. Preparation of Land Use Master Plan	50%		
		Plan cumulative %	100.00%
		Progress to date %	98.50%
Stueng Saen	50%		
		Cumulative %	99.00%
Serei Saphoan	50%		
		Cumulative %	98.00%
b. Preparation of Provincial Plans	50%		
		Plan cumulative %	100.00%
		Progress to date %	99.00%
Banteay Meanchey Province	100%		
		Cumulative %	99.00%

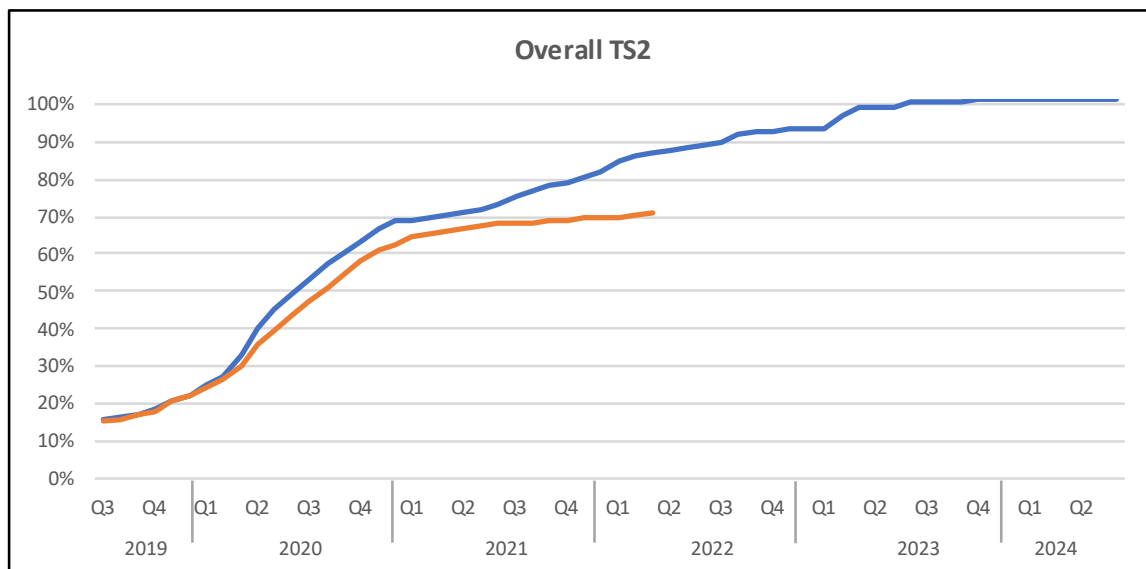
Output Progress Compared with Planned Progress.

(Based on work plans prepared in April 2020)

Project Progress - Outputs from Project Performance Monitoring System

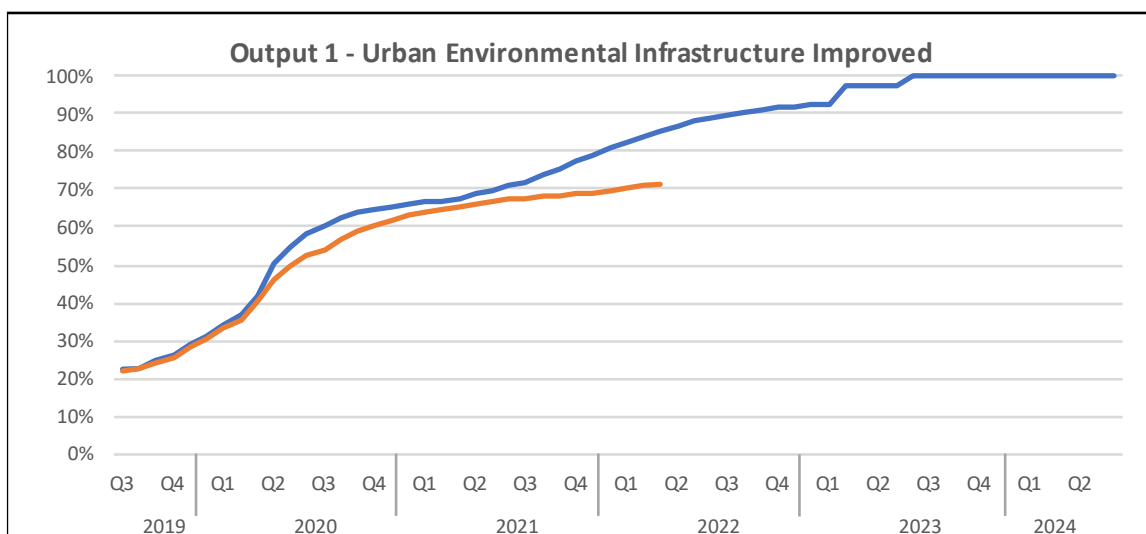
March 2022

TS2



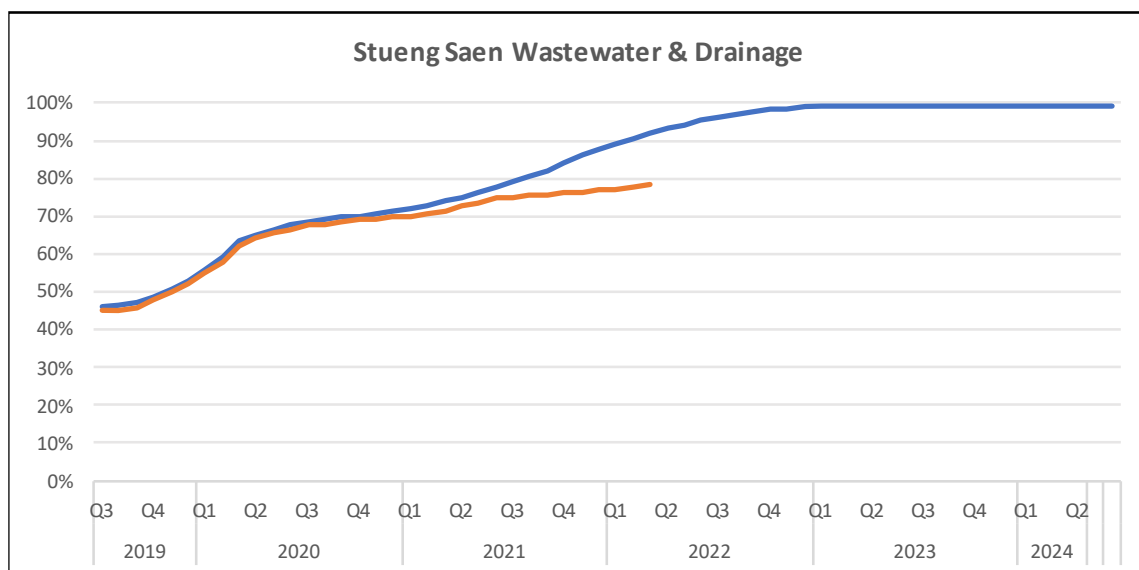
Plan 86.91%

Actual 70.97%

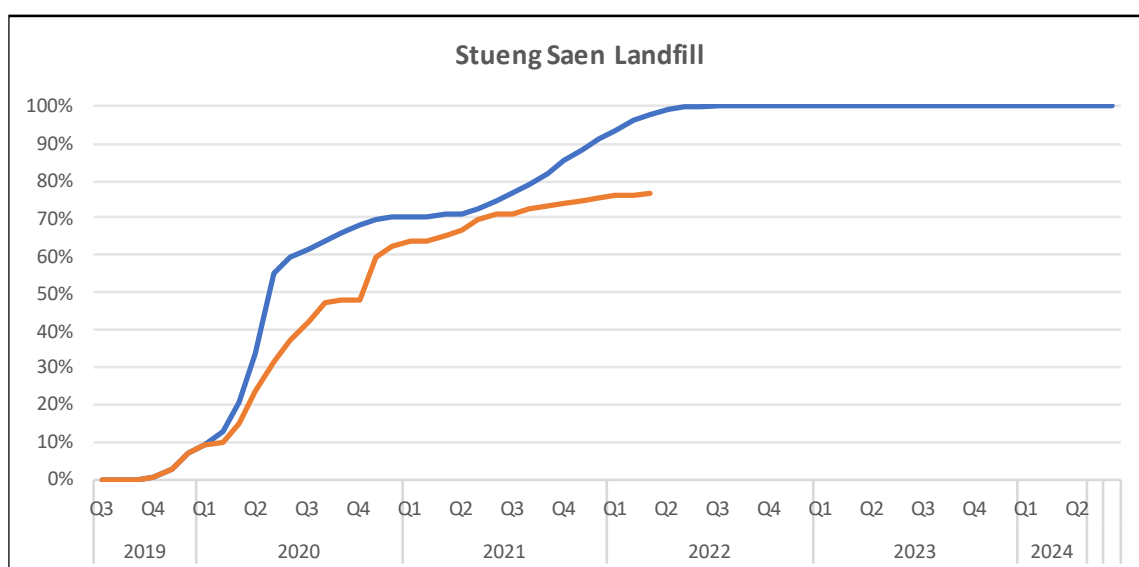


Plan 85.43%

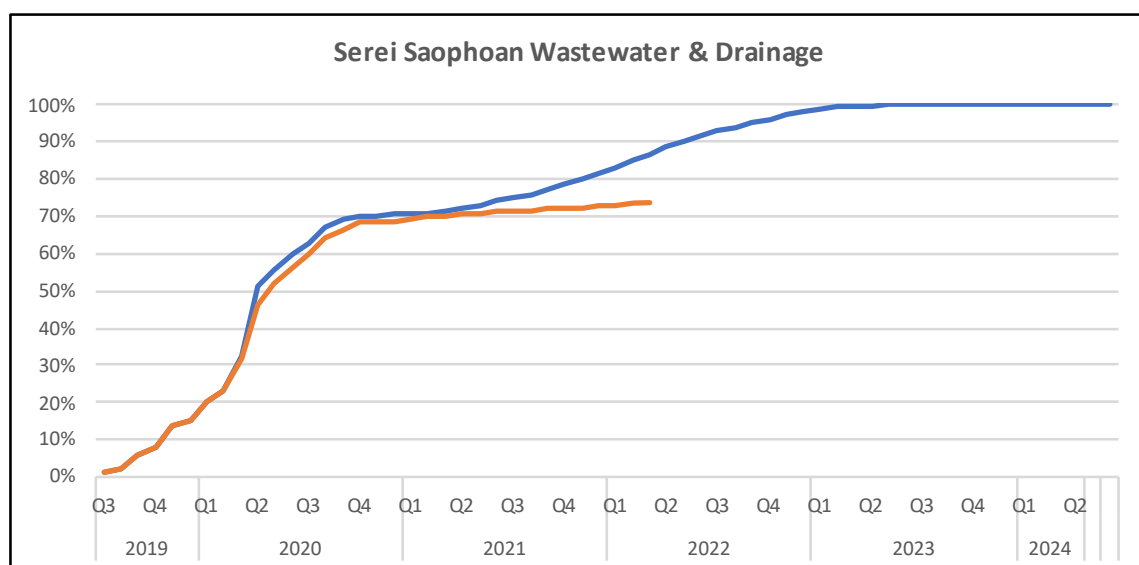
Actual 71.24%



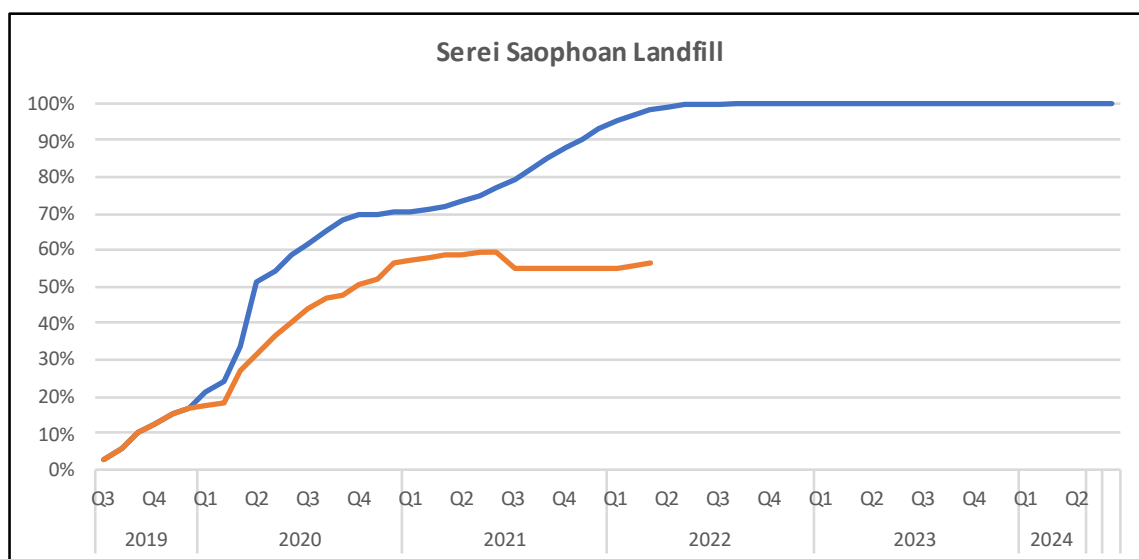
Plan 92.30% **Actual** 78.98%



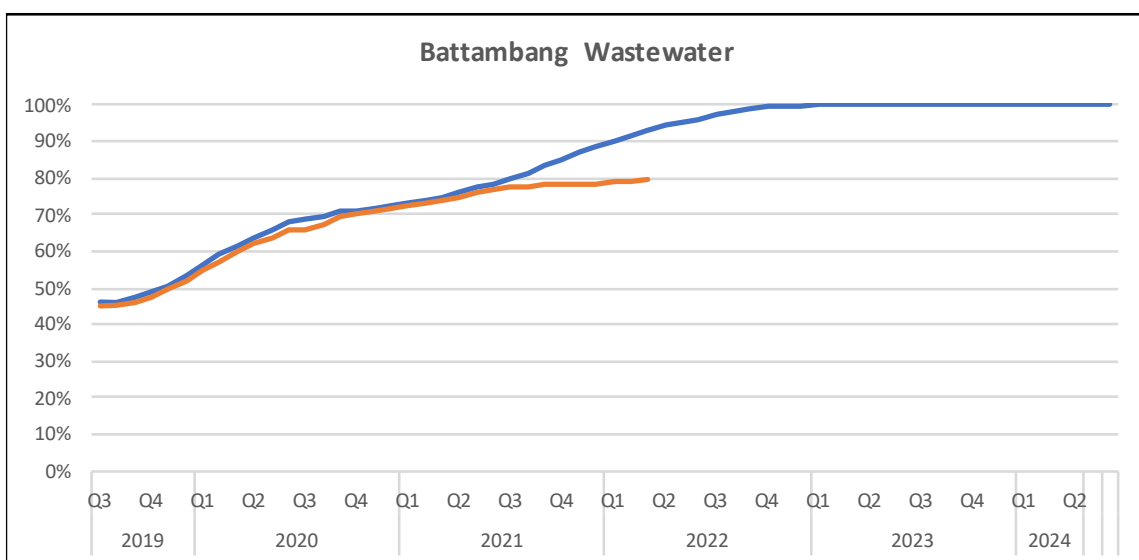
Plan 97.70% **Actual** 76.60%



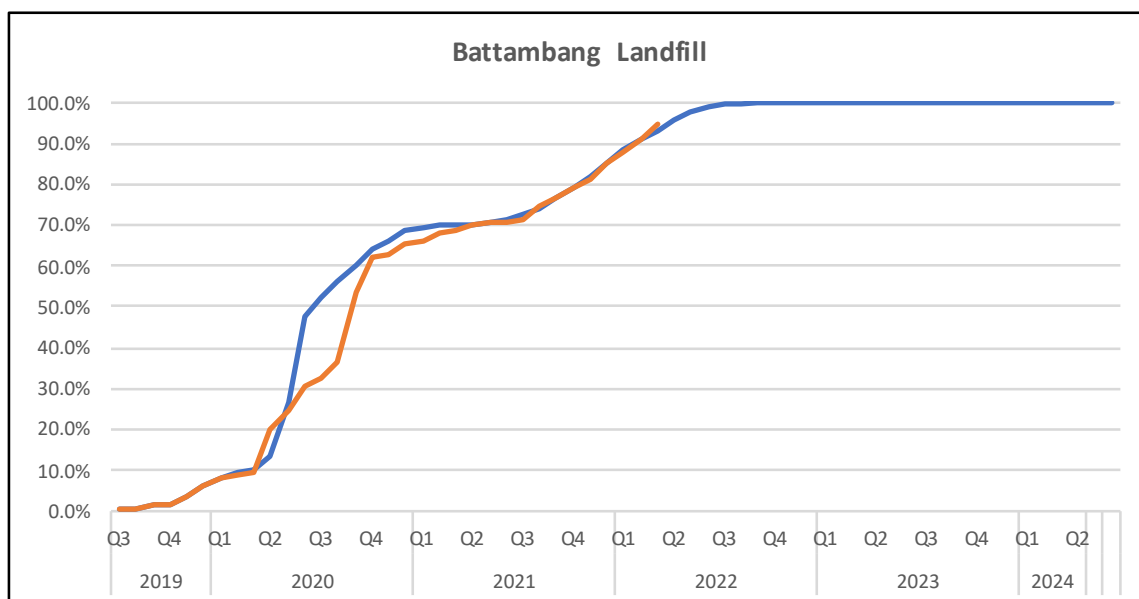
Plan 86.80% **Actual** 73.34%



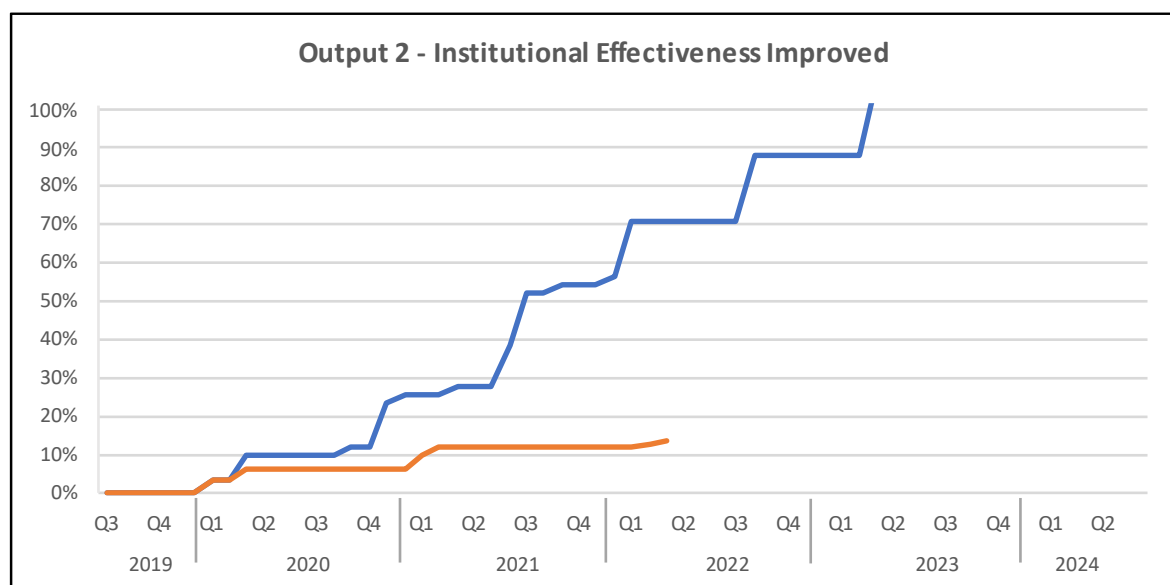
Plan 98.20% **Actual** 56.23%



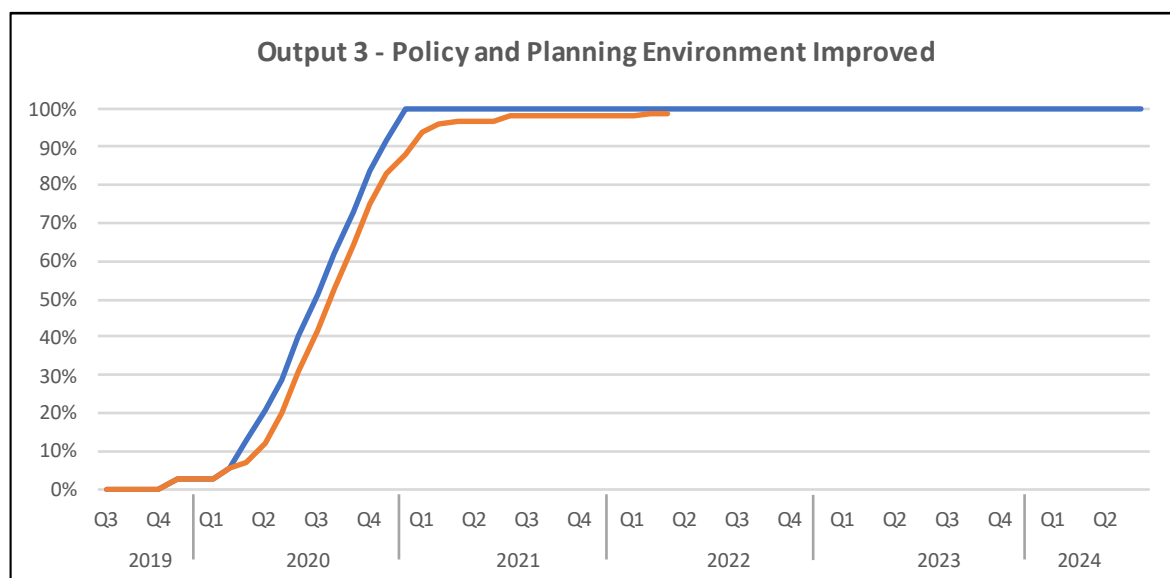
Plan 92.80% **Actual** 78.70%



Plan 93.40% **Actual** 94.75%



Plan 71.13% **Actual** 13.56%



Plan 100.00% **Actual** 98.75%

[illegible]

Annex E: Consultant Inputs (Time-based only).

TS2 Timesheet input								
Quarterly 1 (Jan - Mar 2022)								
Position Code	Name	Position	Contract Amount	Contract Amount after Variation Order No.6	Cumulative to Q4 Dec'21	Q1 Period Jan-Mar'22	Total	Balance
International Expert								
Int.KE-1	Mr. René van Doorn	Team Leader	27.00	27.00	12.52	2.00	14.52	12.48
Int.KE-2	Mr. Lars Orio	International Deputy Team Leader	22.41	22.41	17.21	2.19	19.40	3.01
Int.KE-4	Mr. Steven Long	Solid Waste Management Engineer	2.00	2.00	1.00	0.33	1.33	0.67
Int.KE-5	Mr. Peter Peter Gammelgaard Jensen	Environmental Safeguard Specialist	5.00	5.00	3.21	0.46	3.67	1.33
Int.KE-6	Mr. Teemu Jantunen	Social Safeguard and Resettlement Specialist	5.00	7.50	6.13	0.42	6.55	0.95
Int. NKE-7	Ms. Alice Chauvin	Finance and Institutional Specialist	5.00	5.00	0.13	0.92	1.05	3.95
Int.NKE-9	Mr. Alexander Timmerman	Social Development and Gender Specialist	2.00	2.00	1.42	0.12	1.54	0.46
National Expert								
Nat.KE-1.1	Mr. Ho Ratha	Deputy Team Leader (TS2)	55.00	55.00	25.96	3.00	28.96	26.04
Nat.KE-2	Mr. Yin Somean	Solid Waste Engineer	6.00	6.00	2.25	2.27	4.52	1.48
Nat. KE-5.1	Mr. Yim Chamnan	Environment Safeguards Specialist-1	14.00	14.00	8.38	1.15	9.53	4.47
Nat.KE-6.1	Mr. Chan Narith	Social Safeguard and Resettlement Specialist-1	12.00	15.00	14.43	0.78	15.21	-0.21
Nat. KE-7	Mr. Chheav Nak	Institutional Development Specialist	8.00	8.00	0.32	0.70	1.02	6.98
Nat.NKE-8.1	Mr. Sem Chenda	Site Engineer-1 (Battambang)	25.00	25.00	15.00	3.00	18.00	7.00
Nat.NKE-8.2	Mr. Tith Sophal	Site Engineer-2 (Serei Saophoan)	25.00	25.00	5.00	3.00	8.00	17.00
Nat. NKE-8.3	Mr. Saing Soveasna	Site Engineer-3 (Steung Saen)	25.00	25.00	16.94	3.00	19.94	5.06
Nat. NKE-9.1	Mr. Chuon Sokcheak	Site Supervisor-1 (Battambang)	30.00	30.00	14.00	3.00	17.00	13.00
Nat.NKE-9.2	Mr. Chan Saroeun	Site Supervisor-2 (Serei Saophoan)	30.00	30.00	5.00	3.00	8.00	22.00
Nat. NKE-9.3	Mr. Ham Laycheang	Site Supervisor-3 (Steung Saen)	30.00	30.00	16.94	3.00	19.94	10.06

Annex F: Gender Action Plan Monitoring.

Gender Action Plan (GAP Activities, Indicators and Targets, Timeframe and Responsibility)	Progress to date – accumulated (as of March 2022)	Issues, Challenges & Comments
Output 1: Urban environmental infrastructure improved		
Output 1.1: Urban environmental infrastructure in Stueng Saen improved		
Target 1: Free household sewer connections (including on-site plumbing) to a total of 2,540 ID Poor households including 700 FHH in the three participating towns (2018 baseline: 0). Responsibility: PIUs/Cities	Not yet due: Q4 2023 Works contract signed – July 2020 The bidding document requires free HH sewer connections for 2,550 HH in Stueng Saen. Contractor & Supervisor have jointly counted 1,350 HH and 16 poor HH in the service area. Target is included in the TOR for the NGO to be subcontracted for IEC.	The WW services will be extended to the service area, which by the design team was estimated to include 2,550 HH and following contracting counted to include 1,350 HH and 16 poor HH. The share of FHH and ID Poor HH will depend on the socio-economic situation of the service area. The service area covers parts of the 060306 Kampong Krabau, 060303 Kampong Roteh, and 060302 Kampong Thum Sangkats. The target is established for the three participating towns in combination.
Target 2: Improved toilets provided free of charge to a total of 760 ID Poor 1 and 2 (2018 baseline: 0) including 100 FHH in the three participating towns. Responsibility: PIUs/Cities	Not yet due: Q4 2023 Bidding document requires improved toilets to 190 poor HH in Stueng Saen. Target is included in the TOR for the NGO to be subcontracted for IEC.	Identification of the HH to be conducted by the PIU/City through the procurement of an NGO.
Target 3: 30% of staff employed in operation and maintenance are women (baseline 2016: 0). Responsibility: PIUs/Cities/organizations, incl. Landfill operation, waste collection operation, and the urban service unit	Not yet due: Q4 2023	The employing organisations to be assigned responsibility for the target. PMC to obtain and review baseline in operating companies. Include 30% of women in the training invitation for O&M staff to ensure target can be met.

Output 1.2: Urban environmental infrastructure in Serei Saophan improved		
Target 4: Free household sewer connections (including on-site plumbing) to a total of 2,540 ID Poor households including 700 FHH in the three participating towns (2018 baseline: 0). Responsibility: PIUs/Cities	Not yet due: Q4 2023 Works contract signed September 2021 The bidding document requires free HH sewer connections for 3700 HH in Serei Saophan. Target is included in the TOR for the NGO to be subcontracted for IEC.	The WW services will be extended to the service area, which by the design team was estimated to include 3,700 HH. The share of FHH and ID Poor HH will depend on the socio-economic situation of the service area. The service area covers parts of the 10608 Tuek Thla, 10607 Preah Ponlea, 10602 Kampong Svay, and 10605 Ou Ambel Sangkats. The target is established for the three participating towns in combination.
Target 5: Improved toilets provided free of charge to a total of 760 ID Poor 1 and 2 (2018 baseline: 0) including 100 FHH in the three participating towns. Responsibility: PIUs/Cities	Not yet due: Q4 2023 Bidding document requires improved toilets to 190 poor HH in Serei Saophan. Target is included in the TOR for the NGO to be subcontracted for IEC.	Identification of the HH to be conducted by the PIU/City through the procurement of an NGO.
Target 6: 30% of staff employed in operation and maintenance are women (baseline 2016: 0). Responsibility: PIUs/Cities/organizations, incl. Landfill operation, waste collection operation, and the urban service unit	Not yet due: Q4 2023	The employing organisations to be assigned responsibility for the target. PMC to obtain and review baseline in operating companies. Include 30% of women in the training invitation for O&M staff to ensure target can be met.
Output 1.3: Urban environmental infrastructure in Battambang improved		
Target 7: Free household sewer connections (including on-site plumbing) to a total of 2,540 ID Poor households including 700 FHH in the three participating towns (2018 baseline: 0). Responsibility: PIUs/Cities	Not yet due: Q4 2023 Works contract signed August 2020 The bidding document requires free HH sewer connections for 5,180 HH in Battambang. Contractor & Supervisor have jointly counted 5,226 HH and 193 poor HH in the service area. Target is included in the TOR for the NGO to be subcontracted for IEC.	The WW services will be extended to the service area, which by the design team was estimated to include 5,180 HH and following contracting counted to include 5,226 HH and 193 poor HH. The share of FHH and ID Poor HH will depend on the socio-economic situation of the service area. The service area covers nearly the entire 20302 Prek Preah Sdach, most of the 20303 Rohanak, and smaller parts of the 20801 Anlong Vil, 20809 Ou Dambang Pir, 20808 Ou Danbang Muoy Sangkats. Based on the Commune Database, 2018 020302 Sangkat Preaek Preah Sdach had 503 FHH and 020303 Sangkat Rotanak had 474 FHH. The target is established for the three participating towns in combination.

Target 8: Improved toilets provided free of charge for a total of 760 ID Poor 1 and 2 (2018 baseline: 0) including 100 FHH in the three participating towns. Responsibility: PIUs/Cities	Not yet due: Q4 2023 Bidding document requires improved toilets to 400 poor HH in Battambang. Target is included in the TOR for the NGO to be subcontracted for IEC.	Identification of the HH to be conducted by the PIU/City through the procurement of an NGO.
Target 9: 30% of staff employed in operation and maintenance are women (baseline 2016: 0). Responsibility: PIUs/Cities/organizations, incl. Landfill operation, waste collection operation, and the urban service unit	Not yet due: Q4 2023	The employing organisations to be assigned responsibility for the target. PMC to obtain and review baseline in operating companies. Include 30% of women in the training invitation for O&M staff to ensure target can be met.
Output 2: Improved institutional effectiveness		
Target 10: 25 government staff (including 10 women) reporting increased knowledge on urban service delivery, O&M of urban facilities, and PPP and other institutional arrangements (2018 baseline: 0) Responsibility: PMU/PIUs	Not yet due: Q4 2023	Pre- and post-training questionnaires will be distributed in coordination with the Capacity Development and Training Specialist. Number of women participating in each training or workshops to be included in the invitation letters.
Target 11: Women's representation in PMU/PIU's decision-making and technical positions for: PMU: 30% (2018: 20%); PIU Stueng Saen 30% (2018: 23%); PIU Serei Saophoan: 30% (2018: 24%) Responsibility: PMU/PIUs	Staff lists and gender lists have been collected by the PMC from the PMU and PIUs. Women representation are as follows: PMU: 0 of 10 (0% versus a target of 30%) PIU Stueng Saen (Kompong Thom Province): 1 of 9 (11% versus a target of 30%) PIU Serei Saophoan (Banteay Mean Chey Province): 2 of 9 (22% versus a target of 30%) PIU Battambang: 3 of 9 (33% versus no target)	PMU and PIUs are already established. PIUs are composed of members from PDPWT, municipalities, and provincial local administration staff. Gender ratio of members reflects those of the organizations these are appointed from. Targets to be discussed at GAP orientation.
Output 3: Improved policy and planning environment		
Action 1: Road map for financial sustainability (including tariff road map) developed between MPWT and three provincial governments, with consultation	Not yet due: Q4 2022	Relation to GAP unclear

from MEF, MIH, MOWA, MRD and other relevant agencies (2018 baseline: N/A) Responsibility: PMU/PIUs		
Action 2: Urban development strategy and master plan, with climate resilience and gender responsive measures, developed and approved in all three cities. (2018 baseline: N/A) Responsibility: MLMUPLC/PMC	Not yet due: Q4 2022 Land Use Master Plans (LUMP) under preparation for Stueng Saen and Serei Saophan. The LUMPs cover disaster risk reduction and climate change adaption and accessibility. The LUMPs map accessibility to social infrastructure including health and education as basis for development strategies for social and cultural facilities. Gender-balance in workshop in Serei Saophan, Banteay Meanchey (TS-2) related to LUMP and PSP on 26-Nov 2020: Total participants: 6 F of 66, 9%	Note that scope has changed to Land Use Master Plans (LUMP), while Battambang town has prepared the LUMP. Therefore, action is proposed changed to: "Land Use Master Plan with climate resilience and gender responsive measures, developed and approved in Stueng Saen and Serei Saophan". Change of action may be considered at MTR. The Provincial Department of Land Management, Urban Planning, Construction, and Cadastre (PDLMUPCC) determines the participants of stakeholder meetings based on their positions as government officials. The PDLMUPCC has been explained the targets of the GAP and suggested to increase female participants by inviting NGOs and CSOs, including women's groups and private sector. The PDLMUPCC has stated that they will try to increase the number of female participants. NGO involvement not planed; responsibility changed to PMC in cooperation with the Ministry of Planning
Target 11: At least 81 schools (50% boys and 50% girls) informed on the benefits of proper sanitation, safe disposal of waste, and menstrual hygiene (2018 baseline: 0). Responsibility: PIUs/Cities/NGO	Not yet due: Q4 2022 Target is included in the TOR for the NGO to be subcontracted for IEC.	Baseline and impact survey to be included in the scope of the NGO assignment

Annex G: Procurement Plan

TS2 PROCUREMENT PLAN

Basic Data

Project Name: Second Urban Environmental Management in the Tonle Sap Basin Project	
Project Number: 50102-002	Approval Number: 3684/0591
Country: Cambodia	Executing Agency: Ministry of Public Works and Transport
Project Procurement Risk: High	Implementing Agency: N/A
Project Financing Amount: US\$ 97,700,000 ADB Financing: US\$ 89,000,000 Cofinancing (ADB Administered): Non-ADB Financing: US\$ 8,700,000	Project Closing Date: 30 June 2024
Date of First Procurement Plan: 14 April 2018	Date of this Procurement Plan: 10 August 2020 Version 1
Advance Contracting: No	e-GP: No

A. Methods, Thresholds, Review and 18-Month Procurement Plan

1. Procurement and Consulting Methods and Thresholds

Except as the Asian Development Bank (ADB) may otherwise agree, the following process thresholds shall apply to procurement of goods and works.

Procurement of Goods and Works		
Method	Threshold	Comments
International Competitive Bidding for Goods	US\$ 1,000,000 and Above	Prior. All bid documents, evaluations and contracts.
National Competitive Bidding for Goods	Between US\$ 100,000 and US\$ 999,999	Prior/post. Prior review for first set of bid documents for EA and post review for succeeding packages.
Shopping for Goods	Up to US\$ 99,999	3 quotations required
International Competitive Bidding for Works	US\$ 3,000,000 and Above	Prior. All bid documents, evaluations and contracts.
National Competitive Bidding for Works	Between US\$ 100,000 and US\$ 2,999,999	Prior/post. Prior review for first set of bid documents for EA and post review for succeeding packages.
Shopping for Works	Up to US\$ 99,999	3 quotations required
Others for Works	Up to US\$ 119,999	Works Contracts for Community-driven Environmental Improvements; NCB/Shopping

Consulting Services	
Method	Comments
Quality- and Cost-Based Selection for Consulting Firm	Prior. Request for proposal, evaluations and contracts.
Quality-Based Selection for Consulting Firm	Prior. Request for proposal, evaluations and contracts.
Consultant's Qualification Selection for Consulting Firm	Prior. Request for proposal, evaluations and contracts.
Individual Consultant Selection for Individual Consultant	Prior. Request for proposal, evaluations and contracts.

2. Goods and Works Contracts Estimated to Cost \$1 Million or More

The following table lists goods and works contracts for which the procurement activity is either ongoing or expected to commence within the next 18 months.

Package Number	General Description	Estimated Value	Procurement Method	Review (Prior/Post)	Bidding Procedure	Advertisement Date (quarter/year)	Comments
CW01	Wastewater/Drainage in Stueng Saen and Battambang	37,488,000.00	ICB	Prior	1S1E	Q3 / 2019	Prequalification of Bidders: N Domestic Preference Applicable: N Bidding Document: Large Works
CW02	Wastewater and Drainage in Serei Saophoan	28,950,000.00	ICB	Prior	1S1E	Q3 / 2020	Prequalification of Bidders: N Domestic Preference Applicable: N Bidding Document: Large Works
CW03a	Serei Saophoan Solid Waste Management	6,840,000.00	ICB	Prior	1S1E	Q3 / 2020	Prequalification of Bidders: N Domestic Preference Applicable: N Bidding Document: Small Works
CW03b	Stueng Saen Solid Waste Management	3,590,000.00	ICB	Prior	1S1E	Q3 / 2020	Prequalification of Bidders: N Domestic Preference Applicable: N Bidding Document: Small Works
CW03c	Battambang Solid Waste Management	7,810,000.00	ICB	Prior	1S1E	Q3 / 2020	Prequalification of Bidders: N Domestic Preference Applicable: N Bidding Document: Small Works

G02	Solid Waste Management equipment	2,370,000.00	ICB	Prior	1S1E	Q4 / 2021	Prequalification of Bidders: N Domestic Preference Applicable: N Bidding Document: Goods
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3. Consulting Services Contracts Estimated to Cost \$100,000 or More

The following table lists consulting services contracts for which the recruitment activity is either ongoing or expected to commence within the next 18 months.

Package Number	General Description	Estimated Value	Recruitment Method	Review (Prior/Post)	Advertisement Date (quarter/year)	Type of Proposal	Comments
None							

4. Goods and Works Contracts Estimated to Cost Less than \$1 Million and Consulting Services Contracts Less than \$100,000 (Smaller Value Contracts)

The following table lists smaller-value goods, works and consulting services contracts for which the activity is either ongoing or expected to commence within the next 18 months.

Goods and Works								
Package Number	General Description	Estimated Value	Number of Contracts	Procurement Method	Review (Prior/Post)	Bidding Procedure	Advertisement Date (quarter/year)	Comments
G03	Office Equipment	50,000.00	1	Shopping	Prior		Q3 / 2020	

Consulting Services								
Package Number	General Description	Estimated Value	Number of Contracts	Recruitment Method	Review (Prior/Post)	Advertisement Date (quarter/year)	Type of Proposal	Comments
CS02	Social Development and Gender Specialist	90,000.00	1	ICS	Prior	Q3 / 2020		Assignment : National Expertise: Social and gender
CS05	Project Accountant	40,000.00	1	ICS	Prior	Q3 / 2020		Assignment : National Expertise: Accounting

B. Indicative List of Packages Required Under the Project

The following table provides an indicative list of goods, works and consulting services contracts over the life of the project, other than those mentioned in previous sections (i.e., those expected beyond the current period).

Goods and Works							
Package Number	General Description	Estimated Value (cumulative)	Estimated Number of Contracts	Procurement Method	Review (Prior/Post)	Bidding Procedure	Comments
None							

Consulting Services							
Package Number	General Description	Estimated Value	Number of Contracts	Recruitment Method	Review (Prior/Post)	Type of Proposal	Comments
None							

C. List of Awarded and On-going, and Completed Contracts

The following tables list the awarded and on-going contracts, and completed contracts.

1. Awarded and Ongoing Contracts

Goods and Works							
Package Number	General Description	Estimated Value	Awarded Contract Value	Procurement Method	Advertisement Date (quarter/year)	Date of ADB Approval of Contract Award	Comments
G01	Vehicles	160,000.00	161,400.00	NCB	Q1 / 2019	28-MAY-19	

Consulting Services							
Package Number	General Description	Estimated Value	Awarded Contract Value	Recruitment Method	Advertisement Date (quarter/year)	Date of ADB Approval of Contract Award	Comments
CS01	Project Management Consultants	5,650,000.00	5,412,472.77	QCBS	Q2 / 2018	02-MAY-19	
CS03	Environment Safeguard Specialist	80,000.00	80,000.00	ICS	Q4 / 2019	05-MAY-20	
CS04	Social Safeguard Specialist	80,000.00	80,000.00	ICS	Q4 / 2019	19-MAY-20	

D. National Competitive Bidding

A. Regulation and Reference Documents

1. The procedures to be followed for national competitive bidding shall be those set forth for the “National Competitive Bidding” method in the Government’s Procurement Manual issued under Sub-Decree Number 74 ANKR.BK, updated version dated 22 May 2012 with the clarifications and modifications described in the following paragraphs. These clarifications and modifications are required for compliance with the provisions of the Procurement Guidelines.

2. For the procurement of ADB financed contracts under National Competitive Bidding (NCB) procedures, the use of harmonized national bidding documents (NCB and National Shopping) developed in consultation with development partners including ADB, is mandatory except where the Government and ADB have agreed to amendments to any part of the documents. The Procurement Manual also advises users to check the ADB website from time to time for any update on ADB documents, which form the basis, among others, of the existing harmonized national bidding documents.

B. Procurement Procedures

1. Application

3. Contract packages subject to National Competitive Bidding procedures will be those identified as such in the project Procurement Plan. Any change to the mode of procurement of any procurement package in the Procurement Plan shall be made through updating of the Procurement Plan, and only with prior approval of ADB.

2. Sanctioning

4. Bidders shall not be declared ineligible or prohibited from bidding on the basis of barring procedures or sanction lists, except individuals and firms sanctioned by ADB, without prior approval of ADB.

3. Rejection of all Bids and Rebidding

5. The Borrower shall not reject all bids and solicit new bids without ADB's prior concurrence. Even when only one or a few bids is/are submitted, the bidding process may still be considered valid if the bid was satisfactorily advertised and prices are reasonable in comparison to market values.

4. Advertising

6. Bidding of NCB contracts shall be advertised on the ADB website via the posting of the Procurement Plan. Borrowers have the option of requesting ADB to post specific notices in the ADB website.

C. Bidding Documents

5. Use of Bidding Documents

7. The Standard National Competitive Bidding Documents provided with the Government's Procurement Manual shall be used to the extent possible both for the master bidding documents and the contract-specific bidding documents. The English language version of the procurement documents shall be submitted for ADB review and approval in accordance with agreed review procedures (post and prior review) as indicated in the Procurement Plan. The ADB-approved procurement documents will then be used as a model for all procurement financed by ADB for the project.

6. Bid Evaluation

8. Bidders shall not be eliminated from detailed evaluation on the basis of minor, non-

substantial deviations.

9. A bidder shall not be required, as a condition for award of contract, to undertake obligations not specified in the bidding documents or otherwise to modify the bid as originally submitted.

7. Employer's Right to Accept or Reject Any or All Bids

10. The decision of the Employer to accept or reject any or all bids shall be made in a transparent manner and involve an obligation to inform of the grounds for the decision through the bid evaluation report.

8. ADB Policy Clauses

11. A provision shall be included in all NCB works and goods contracts financed by ADB requiring suppliers and contractors to permit ADB to inspect their accounts and records and other documents relating to the bid submission and the performance of the contract, and to have them audited by auditors appointed by ADB.

12. A provision shall be included in all bidding documents for NCB works and goods contracts financed by ADB stating that the Borrower shall reject a proposal for award if it determines that the bidder recommended for award has, directly or through an agent, engaged in corrupt, fraudulent, collusive, or coercive practices in competing for the contract in question.

13. A provision shall be included in all bidding documents for NCB works and goods contracts financed by ADB stating that ADB will declare a firm or individual ineligible, either indefinitely or for a stated period, to be awarded a contract financed by ADB, if it at any time determines that the firm or individual has, directly or through an agent, engaged in corrupt, fraudulent, collusive, coercive or obstructive practices or any integrity violation in competing for, or in executing, ADB-financed contract.

Annex H: Compliance with Loan and Grant Covenants.

According to Loan Agreement 24 October 2018

No.	Covenant	Reference	Status of Compliance
	TS2 Loan 3684		
1	In the carrying out of the Project and operation of the Project facilities, the Borrower shall perform, or cause to be performed, all obligations set forth in Schedule 5 to the Loan Agreement	Section 4.01	Ongoing
2	The borrower shall cause the Project Executing Agency to (i) maintain separate accounts and records for the projects; (ii) prepare annual financial statements for the project in accordance with financial reporting standard acceptable to ADB; (iii) have such financial statements audited annually by independent auditors whose qualifications, experience, and terms of reference are acceptable to ADB, in accordance with auditing standards, acceptable to ADB; (iv) as part of each such audit, have the auditors prepare a report, which includes the auditors' opinion(s) on the financial statements and the use of the Loan proceeds, and management letter (which sets out the deficiencies in the internal control of the project that were identified in the course of the audit, if any); and (v) furnish to ADB, no later than 6 months after the end of each related fiscal year, copies of such audited financial statements, audit report, and management letter, all in the English language, and such other information concerning these documents and the audit thereof as ADB shall from time to time reasonably request.	Section 4.02 (a)	Ongoing
3	ADB shall disclose the annual audited financial statements for the project and the opinion of the auditors on the financial statements within 14 days of the date of ADB's confirmation of their acceptability by posting them on ADB's website.	Section 4.02 (b)	Ongoing
4	The Borrower shall enable ADB, upon ADB's request, to discuss the financial statements for the project and the Borrower's financial affairs where they relate to the Project with the auditors appointed pursuant to subsection (a)(iii) hereinabove and shall authorize and require any representative of such auditors to participate in any such discussions requested by ADB. This is provided that such discussions shall be conducted only in the presence of an authorized officer of the Borrower, unless the Borrower shall otherwise agree.	Section 4.02 (c)	Ongoing
5	The Borrower shall enable ADB's representatives to inspect the Project, the Goods and Works, and any relevant records and documents.	Section 4.03	Ongoing
	TS2 Grant 0951		
7	In the carrying out of the project and operation of the project facilities, the Recipient shall perform, or cause to be performed, all obligations set forth in Schedule 5 to the Ordinary Operations [Concessional] Loan Agreement.	Section 4.01	Ongoing
8	The Recipient shall cause the Project Executing Agency to (i) maintain separate accounts and records for the projects; (ii) prepare annual financial statements for the project in accordance with financial reporting standard acceptable to ADB; (iii) have such financial statements audited annually by independent auditors whose qualifications, experience, and terms of reference are acceptable to ADB, in accordance with auditing standards, acceptable to ADB; (iv) as part of each such audit, have the auditors prepare a report, which includes the auditors' opinion(s) on the financial statements and the use of the Grant proceeds, and management letter (which sets out the deficiencies in the internal control of the project that were identified in the course of the audit, if any); and (v) furnish to ADB, no later than 6 months after the end of each related fiscal year, copies of such audited financial statements, audit report, and management letter, all in the English language, and such other information concerning these documents and the audit thereof as ADB shall from time to time reasonably request.	Section 4.02 (a)	Ongoing
9	ADB shall disclose the annual audited financial statements for the project and the opinion of the auditors on the financial statements within 14 days of the date of ADB's confirmation of their acceptability by posting them on ADB's website.	Section 4.02 (b)	Ongoing
10	The Recipient shall enable ADB, upon ADB's request, to discuss the financial statements for the project and the Recipient's financial affairs where they relate to the Project with the auditors appointed pursuant to subsection (a)(iii) hereinabove and shall authorize and require any representative of such auditors to participate in any such discussions requested by ADB. This is	Section 4.02 (c)	Ongoing

No.	Covenant	Reference	Status of Compliance
	provided that such discussions shall be conducted only in the presence of an authorized officer of the Recipient, unless the Recipient shall otherwise agree.		
11	The Recipient shall enable ADB's representatives to inspect the Project, the Goods and Works, and any relevant records and documents.	Section 4.03	Ongoing

According to MOU 5 March 2021:

Schedule	Para No.	Description	Status	Type
Schedule 5	1	Implementation Arrangements The Borrower shall ensure that the Project is implemented in accordance with the detailed arrangements set forth in the PAM. Any subsequent change to the PAM will become effective only after approval of such change by the Government and ADB. In the event of any discrepancy between the PAM and this Loan Agreement, the provisions of this Loan Agreement shall prevail.	Being complied	Safeguards
Schedule 5	2	Environment The Borrower shall ensure that the preparation, design, construction, implementation, operation and decommissioning of the Project and all Project facilities comply with (a) all applicable laws and regulations of the Borrower relating to environment, health and safety; (b) the Environmental Safeguards; and (c) all measures and requirements set forth in each IEE, each EMP, and any corrective or preventative actions set forth in a Safeguards Monitoring Report.	Being complied	Safeguards
Schedule 5	3	The Borrower shall ensure that prior to mobilization for civil works under the Project: (a) project-specific Environmental Safeguards grievance redress mechanism, acceptable to ADB, is established in accordance with the provisions of the EMPs, to consider Environmental Safeguards complaints; and (b) a local level grievance redress mechanism is established and a task force 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; (iv) prepare periodic reports to summarize (A) the number and types of complaints received and resolved at all levels; (B) chosen actions and time required for resolution; and (C) final outcomes of the grievances; and (v) make the reports available to ADB as part of the regular Project Progress Reports and Environmental Safeguards Monitoring Reports.	Will be complied.	Safeguards
Schedule 5	4	Involuntary Resettlement		Safeguards

Schedule	Para No.	Description	Status	Type
		The Borrower shall ensure that all land and all rights-of-way required for the Project and all Project facilities are made available to the Works contractor in accordance with the schedule agreed under the related Works contract and all land acquisition and resettlement activities are implemented in compliance with (a) all applicable laws and regulations of the Borrower relating to land acquisition and involuntary resettlement; (b) the Involuntary Resettlement Safeguards; and (c) all measures and requirements set forth in the RF, each RP and any corrective or preventative actions set forth in the Safeguards Monitoring Report.	Will be complied.	
Schedule 5	5	Without limiting the application of the Involuntary Resettlement Safeguards or the RP, the Borrower shall ensure that no physical or economic displacement takes place in connection with the Project until: (a) compensation and other entitlements, as relevant, have been provided to affected people in accordance with the RP; and (b) a comprehensive income and livelihood restoration program has been established in accordance with the RP.	Will be complied.	Safeguards
Schedule 5	6	The Borrower shall ensure that: (a) no land for the Project is acquired through voluntary land donation; and (b) if any land is acquired through negotiated settlement, the Borrower shall employ a third party to independently verify that (i) consultations with landowners have been undertaken meaningfully, freely and in good faith and the landowners have made informed decisions on use of land, and (ii) terms and conditions of the agreements have been explained and have been understood and agreed by the landowners, all in accordance with the requirements in the RF.	Will be complied.	Safeguards
Schedule 5	7	The Borrower shall ensure that prior to any land acquisition under the Project: (a) a safeguards grievance redress mechanism, acceptable to ADB, is established in accordance with the provisions of the RF, to consider Involuntary Resettlement Safeguards complaints; and (b) a local level grievance redress mechanism is established and a task force 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 decisions made; (iv) prepare periodic reports to summarize (A) the number and types of complaints received and resolved at all levels; (B) chosen actions and time required for resolution; and (C) final outcomes of the grievances; and (v) make the reports available to ADB as part of the regular Safeguards Monitoring Reports. For the purpose of this provision, eligible complaints include those related to resettlement planning and implementation.	Will be complied.	Safeguards

Schedule	Para No.	Description	Status	Type
Schedule 5	8	Indigenous Peoples 8. The Borrower shall ensure that the Project does not have any indigenous peoples impacts within the meaning of SPS. In the event that the Project does have any such 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 SPS.	Will be complied.	Safeguards
Schedule 5	9	Human and Financial Resources to Implement Safeguards Requirements 9. The Borrower shall make available necessary budgetary and human resources to fully implement any EMP and any RP.	Being complied	Safeguards
Schedule 5	10	Safeguards – Related Provisions in Bidding Documents and Works Contracts 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 IEEs, the EMPs, and RPs (to the extent they concern impacts on affected people during construction), and any corrective or preventative actions set forth in a Safeguards Monitoring Report; (b) make available a budget for all such environmental and social measures; (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 IEEs, the EMPs, and the RPs; (d) adequately record the condition of roads, agricultural land and other infrastructure prior to starting to transport materials and construction; and (e) fully reinstate pathways, other local infrastructure, and agricultural land to at least their pre-project condition upon the completion of construction.	Will be complied. Will be complied. Will be complied. Will be complied. Will be complied.	Safeguards
Schedule 5	11	Safeguards Monitoring and Reporting The Borrower shall do the following: (a) submit semiannual Safeguards Monitoring Reports to ADB and disclose relevant information from such reports to affected persons promptly upon submission;	Will be complied.	Safeguards

Schedule	Para No.	Description	Status	Type
		(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 IEEs, the EMPs, and the RPs, promptly inform ADB of the occurrence of such risks or impacts, with detailed description of the event and proposed corrective action plan in accordance with the SPS; and (c) report any actual or potential breach of compliance with the measures and requirements set forth in the EMPs and RPs promptly after becoming aware of the breach.	Will be complied. Will be complied.	
Schedule 5	12	Prohibited List of Investments The Borrower shall ensure that no proceeds of the Loan are used to finance any activity included in the list of prohibited investment activities provided in Appendix 5 of the SPS.	Will be complied.	Others
Schedule 5	13	Labor Standards, Health and Safety The Borrower shall ensure that the core labor standards and its applicable laws and regulations are complied with during Project implementation. The Borrower shall include specific provisions in the bidding documents and contracts financed by ADB under the Project requiring that the contractors, among others, (a) comply with all applicable labor laws and regulations of the Borrower; (b) do not use child labor; (c) do not discriminate workers in respect of employment and occupation; (d) do not use forced labor; (e) do not restrict the workers from developing a legally permissible means of expressing their grievances and protecting their rights regarding working conditions and terms of employment; and (f) disseminate information on the risks of sexually transmitted diseases, including HIV/AIDS, to the employees of contractors engaged under the Project and to members of the local communities surrounding the Project areas, particularly women. The Borrower shall strictly monitor compliance with the requirements set forth in this paragraph and provide ADB with regular reports.	Will be complied.	Social
Schedule 5	14	Gender Action Plan The Borrower shall ensure that (a) the GAP is implemented in accordance with its terms; (b) the bidding documents and contracts include relevant provisions for contractors to comply with the measures set forth in the GAP; (c) adequate resources are allocated for implementation of the GAP; (d) progress on implementation of the GAP, including progress toward achieving key gender outcome and output targets are regularly monitored and reported to ADB using ADB's template; and (e) key gender output targets are monitored regularly and achieved.	Being complied	Social

Schedule	Para No.	Description	Status	Type
Schedule 5	15	Provincial Development Strategy The Borrower shall cause the Kampong Cham Provincial Authority, Kratie Provincial Authority and Stung Treng Provincial Authority and their implementing agencies to make use of the provincial development strategy in formulation of the respective 5-year provincial development plan, 2024–2028 and promoting regional economic integration and connectivity along the Mekong River.	Not applicable	Economic
	16	ICT for Public Management The Borrower shall facilitate necessary coordination among its Ministry of Post and Telecommunication, Ministry of Interior, and MPWT, to ensure that ICT for public management services developed in Kampong Cham, Kratie and Stung Treng provinces is successfully implemented and recognized as national pilot activities of the provincial authorities.	Not applicable	Others
	17	Financial Sustainability and Operation and Maintenance Expenditure The Borrower shall cause the Project Executing Agency and the relevant implementing agency to (a) develop a financial sustainability road map (including tariff-setting and collection, public private partnership, budget allocation and other gap-filling measures) for operation and maintenance of the wastewater and solid waste components in each city by the mid-term review of the Project; and (b) set up an appropriate institutional framework or service unit, as applicable, such that the financial sustainability arrangement becomes effective prior to physical completion of the facilities.	Being complied	Others
	18	Counterpart Support The Borrower shall ensure that counterpart funds for the Project are available on time. In addition to the foregoing, the Borrower shall ensure that the Project Executing Agency has sufficient funds to finance any Works, Goods and Consulting Services contract.	Being complied	Others
	19	Governance and Anticorruption The Borrower shall (a) comply with ADB's Anticorruption Policy (1998, as amended to date) and acknowledge that ADB reserves the right to investigate directly, or through its agents, any alleged corrupt, fraudulent, collusive or coercive practice relating to the Project; and (b) cooperate with any such investigation and extend all necessary assistance for satisfactory completion of such investigation.	Being complied	Others
	20	The Borrower shall ensure that the anticorruption provisions acceptable to ADB are included in all bidding documents and contracts, including provisions specifying the right of ADB to audit and examine the records and accounts of the Project Executing Agency and all contractors, suppliers, consultants, and other service providers as they relate to the Project.	Being complied	Others

Schedule	Para No.	Description	Status	Type
Article IV	402	(c) The Borrower shall enable ADB, upon ADB's request, to discuss the financial statements for the Project and the Borrower's financial affairs where they relate to the Project with the auditors appointed pursuant to subsection (a)(iii) hereinabove, and shall authorize and require any representative of such auditors to participate in any such discussions requested by ADB. This is provided that such discussions shall be conducted only in the presence of an authorized officer of the Borrower, unless the Borrower shall otherwise agree.	Being complied	Financials
Article IV	402	(b) ADB shall disclose the annual audited financial statements for the Project and the opinion of the auditors on the financial statements within 14 days of the date of ADB's confirmation of their acceptability by posting them on ADB's website.	Being complied	Financials
Article IV	402	Section 4.02. (a) The Borrower shall cause the Project Executing Agency to (i) maintain separate accounts and records for the Project; (ii) prepare annual financial statements for the Project in accordance with financial reporting standards acceptable to ADB; (iii) have such financial statements audited annually by independent auditors whose qualifications, experience and terms of reference are acceptable to ADB, in accordance with auditing standards acceptable to ADB; (iv) as part of each such audit, have the auditors prepare a report, which includes the auditors' opinion(s) on the financial statements and the use of the Loan proceeds, and a management letter (which sets out the deficiencies in the internal control of the Project that were identified in the course of the audit, if any); and (v) furnish to ADB, no later than 6 months after the end of each related fiscal year, copies of such audited financial statements, audit report and management letter, all in the English language, and such other information concerning these documents and the audit thereof as ADB shall from time to time reasonably request.	Being complied	Financials
Article IV	403	Section 4.03. The Borrower shall enable ADB's representatives to inspect the Project, the Goods and Works, and any relevant records and documents.	Will be complied.	Financials

Annex I: Financial Management Action Plan

Risk description	Impact	Likelihood	Overall Risk Assessment	Mitigation measures/ Responsibility	Timeline	Responsibility	Actions Taken/ Status	Next Steps
Inherent Risk								
The Standard Operating Procedure for externally financed projects in Cambodia (May 2012) stipulates that assets must be subject to careful asset management, but in practice there is no regular monitoring/ inventory. There is a risk of loss of asset due to poor maintenance.	High	Likely	Substantial	Update Fixed Asset Book every year during and after project implementation.	Within 3 months after the end of each fiscal year.	MPWT/PMU	PMU prepared the fixed Asset Book when the project equipment was purchased in 2020. The asset list was counted and verified once in 2020 as stated in FMM.	The record and asset management is stated in the Financial Management (FMM) issued by MEF, RGC in Dec 2019
				Train government staff in fixed asset management including linkage to asset preventive maintenance activities	Within 3 months after the end of each fiscal year.	MPWT/PMU	The government staff were trained on the updated FMM (2019) including asset management in various groups by MEF in later 2019 and early 2020.	
Control Risk								
Internal audit–Lack of internal audit system in the provincial governments and DPWTs	Low	Likely	Moderate	Strengthen external audit by MEF and MPWT/ PMU ensuring to engage the qualified auditor under the project.	By Q4 2019	MEF and MPWT/PMU	The external audit is selected based procurement procedures by MEF (This can be confirmed by MEF)	

Risk description	Impact	Likelihood	Overall Risk Assessment	Mitigation measures/ Responsibility	Timeline	Responsibility	Actions Taken/ Status	Next Steps
				External audit will be in accordance with international auditing standards.	Throughout the project	MPWT/PMU	Being complied with; acceptable APFS for FY 2018-2020 were submitted timely to ADB	
DPWT/PIU staff lack training on ADB disbursement and reporting procedure	Low	Likely	Moderate	Sub-accounts will not be established at the start of the project but may be established in the future once PIUs have been assessed to have sufficient capacity. The PMU will use a project financial management system developed under previous ADB projects and will be responsible for all procurement. The PMC will build capacity at the PIUs.	By Q4 2019	MPWT/PMU and PMC	The PMU has developed a project financial management system which is effectively functioned since the start of the project.	
Information systems—Improper record keeping or mistakes because of the excel-based financial management system	Low	Likely	Moderate	MEF and MPWT/PMU ensure to engage the qualified audit company under the project	By Q4 2019	MEF and MPWT/PMU	Complied with; engaged a qualified audit company under the project	

Risk description	Impact	Likelihood	Overall Risk Assessment	Mitigation measures/ Responsibility	Timeline	Responsibility	Actions Taken/ Status	Next Steps
in the provincial governments and DPWTs				PMU and PIUs will undertake regular backups of all financial, accounting and project related data and appropriate security measures over backed-up data shall be in place.	Throughout the project	MPWT/PMU and PIUs	PMU undertakes regular backups of all financial, accounting and project related data and appropriate security measures over backed-up data in external HD which is kept in the safe. .	
Overall Risk			Moderate					

Annex J: Works Progress Pictures

Pictures end of March 2022 (TS2)

Construction of Stueng Saen Wastewater and Drainage Sub Project (Lot.1)

View from drone on the construction of U-drain and sewer pipe systems line



The activities of the installation of tertiary sewer line, manholes and U-drain cast on site



The activities of the building construction and the access road to WWTP



Construction of Battambang Wastewater and Drainage Sub Project (Lot.2)

View from drone for Wastewater Treatment Plant



The activities of access road construction to WWTP and main force pipe installation



The activities of admin building construction in WWTP and manhole pre-casting



Construction of Battambang Solid Waste Management Sub-project

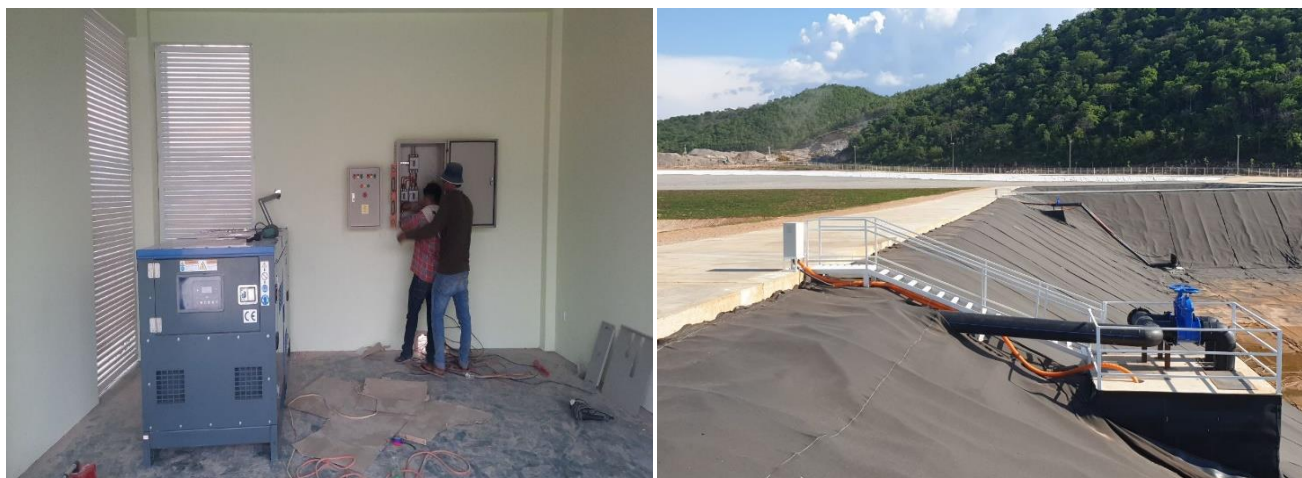
View from drone on the Landfill site



The activities of inspection for completion work of the landfill



The activities of the electricity installation and cell1 view



Construction of Steung Saen Solid Waste Management Sub-project

General View from drone and access road to Landfill site



The activities of backfill and the compaction at cell and pond area



The activities of access road construction and excavation in cell 1 and ponds



Construction of Serey Saophoan Wastewater and Drainage Sub Project

Overview of backfill and compaction soil in WWTP



The activities of the technical meeting and inspection the HDPE pipe welding



The activities of the sub grade soil test (FDT) and pipe pre-casting

