



Ministry of Public Works and Transport
The Kingdom of Cambodia

**Fourth Greater Mekong Subregion
Corridor Towns Development Project**
ADB L3686/G0592/G0593 CAM



Quarterly Report
Quarter 4, 2020
October to December



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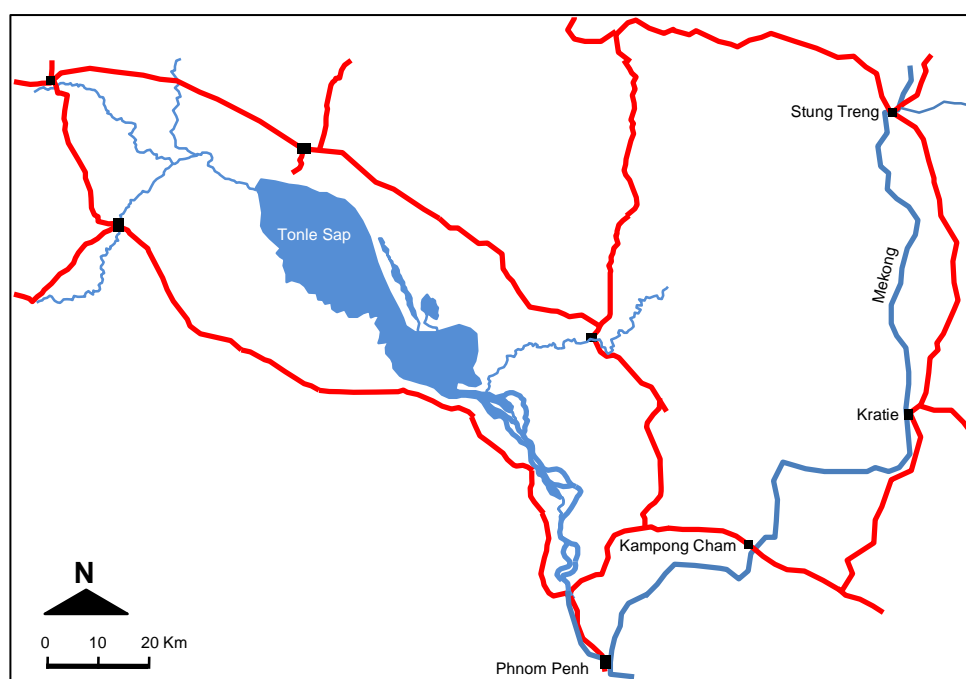
ADB	Asian Development Bank
CBO	Community-Based Organization
CPP	Community Procurement Procedures
CPS	Country Partnership Strategy
CSO	Civil Society Organizations
DC	Development Committee
DRM	Disaster Risk Management
EA	Executing Agency
EMP	Environmental Management Plan
FGD	Focus Group Discussion
GAP	Gender Action Plan
IA	Implementing Agency
IEE	Initial Environmental Examination
IP(s)	Indigenous People(S)
NCB	National Competitive Bidding
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 Fourth Greater Mekong Subregion (GMS) Corridor Towns Development Project (hereinafter referred to as CTDP4). The location of the project towns is shown in Figure 1.1.
- 2 This is the Quarterly Report for Quarter 4, 2020 (October 1 to December 31).

Figure 1.1 Location of Project Towns



1.2 Basic Data

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

Table 1.1 Basic Data – CTDP4

ADB Project number:	Loan 3686, Grants G0592 & G0593
Project Title:	Fourth Greater Mekong Subregion Corridor Towns Development Project
Beneficiary:	Kingdom of Cambodia
Executing Agency:	Ministry of Public Works and Transport
Implementing Agency:	Provincial Governments of Kampong Cham, Kratie, Stung Treng
Date of Effectiveness:	14 December 2018
Closing Date:	30 June 2024
Date of Last ADB Mission:	April 2018

1.3 Cost Estimates and Financing Plan

1.3.1 CTDP4 Cost Estimates and Financing Plan

- 4 The total cost of the project is estimated at US\$88.5m including contingencies. The breakdown of cost estimates is given in Table 1.2.

Table 1.2 CTDP4 Summary Cost Estimates by Output (\$ million)

Item	Amount
A. Base Cost	
1. Urban environmental infrastructure improved	66.87
2. Institutional effectiveness improved, and policy and planning environment for regional economic connectivity enhanced	9.67
Sub-Total (A)	76.54
B. Contingencies	9.70
C. Financial Charges During Implementation	2.26
Total (A+B+C)	88.50

Source: Asian Development Bank estimates.

5 The summary of the financing plan for CTDP4 is shown in Table 1.3.

Table 1.3 CTDP4 Financing Plan

Source	Amount (\$ million)	Share of Total (%)
Asian Development Bank		
Ordinary capital resources (concessional loan)	77.00	87.0
Special Funds resources (ADF grants)*	3.00	3.4
Korea EAKPF	0.50	0.6
Government	8.00	9.0
Total	88.5	100.0

* Including \$1.5m from Disaster Risk Reduction Fund (DRRF)

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 December 2020, the contract awards amount to a total of **\$6,476,411**, and to date disbursements total **\$2,262,869**.

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

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
Loan 3686	78,500,000	5,946,411	72,553,589	1,631,533	76,868,467	4,314,878
Grant 0592	1,500,000	500,000	1,000,000	461,336	1,038,664	38,664
Grant 0593	500,000	-	500,000	100,000	400,000	(100,000)
Government	8,700,000	30,000	8,670,000	70,000	8,630,000	(40,000)
Total	89,200,000	6,476,411	82,723,589	2,262,869	86,937,131	4,213,542

Table 2.2 Consolidated Awards and Disbursements, Loan 3686 and Grants 0592 and 0593

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	59,115,000	-	59,115,000	-	59,115,000	-	0	0
Goods & equipment	1,350,000	116,000	1,234,000	116,000	1,234,000	-	9	9
Consulting services	7,097,000	6,288,411	808,589	1,381,062	5,715,938	4,907,349	89	19
Incr. Adm. Cost	981,000	42,000	939,000	35,756	945,244	6,244	4	4
Interest charge	2,256,000	-	2,256,000	10,051	2,245,949	(10,051)	0	0
Unallocated	9,701,000	-	9,701,000	-	9,701,000	-	0	0
Advance Account				650,000	(650,000)	(650,000)		
Total	80,500,000	6,446,411	74,053,589	2,192,869	78,307,131	4,253,542	8	3

Table 2.3 Awards and Disbursements Status, Loan 3686

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	58,615,000	-	58,615,000	-	58,615,000	-
Goods & equipment	1,350,000	116,000	1,234,000	116,000	1,234,000	-
Consulting services	5,597,000	5,788,411	(191,411)	1,019,727	4,577,273	4,768,684
Incre. Adm. Cost	981,000	42,000	939,000	35,756	945,244	6,244
Interest charge	2,256,000	-	2,256,000	10,051	2,245,949	
Unallocated	9,701,000	-	9,701,000	-	9,701,000	-
Advance Account	-	-	-	450,000	(450,000)	
Total	78,500,000	5,946,411	72,553,589	1,631,533	76,868,467	4,774,929

Table 2.4 Awards and Disbursements Status, Grant 0592

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	500,000	-	500,000	-	500,000	-
Cons Svcs Proj Mgt	500,000	500,000	-	361,336	138,664	138,664
Cons Svcs ITC	500,000	-	500,000	-	500,000	-
Advance Account	-	-	-	100,000	(100,000)	(100,000)
Total	1,500,000	500,000	1,000,000	461,336	1,038,664	38,664

Table 2.5 Awards and Disbursements Status, Grant 0593

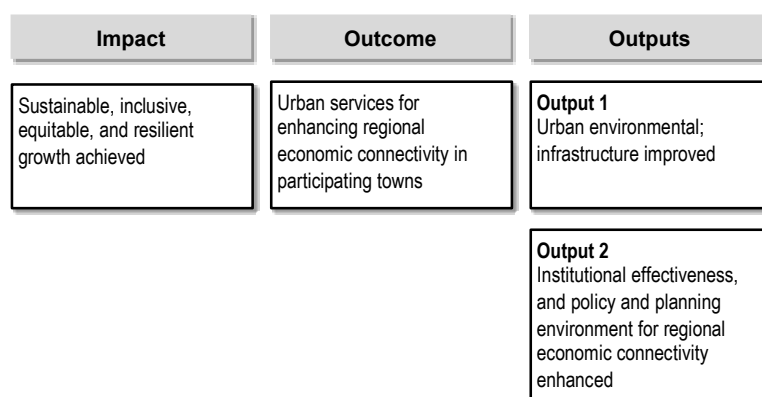
Fund	Allocation	Contracts Awarded	Uncontracted Loan/Grant Balance	Contracts Disbursed	Undisbursed Loan/Grant Balance	Undisbursed Contract Balance
	A	B	C = A-B	D	E = A-D	F = B-D
Cons Svcs ITC	500,000	-	500,000	-	500,000	-
Advance Account	-	-	-	100,000	(100,000)	(100,000)
Total	500,000	-	500,000	100,000	400,000	(100,000)

3 Project Scope and Purpose

3.1 Project Impact, Outcome and Outputs

- 7 The CTDP4 will improve urban services and enhance regional economic connectivity in provincial capital towns of Kampong Cham, Kratie, and Stung Treng along the Greater Mekong Subregion (GMS) Central Corridor in Cambodia. The project will finance key urban environmental infrastructure and enhance institutional effectiveness with a focus on private sector engagement and information and communication technology (ICT)-based public management systems, and the policy and planning environment for regional economic connectivity. 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 CTDP4 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 at the time of this Quarterly Report.

Table 3.1 Proposed Civil Works Sub-Projects

Town	Sub-Projects	Scope of Sub-Projects
Kampong Cham	Wastewater	▪ 5,000 m ³ /day WWTP, 137km sewers, 4.3km drains
	Solid waste management	▪ 900,000m ³ landfill*
Kratie	Wastewater	▪ 4,900 m ³ /day WWTP*, 143km sewers, 12km drains
	Solid waste management	▪ 433,500m ³ landfill
	Town centre improvements	▪ Footways, streetlights etc. – scope to be determined
Stung Treng	Wastewater	▪ 3,650 m ³ /day WWTP*, 147km sewers, 12km drains
	Solid waste management	▪ 291,000m ³ landfill
	Town centre improvements	▪ Footways, streetlights etc. – scope to be determined

Source: PPTA reports

* Note: The required sizes of some landfills and WWTPs is under review by the PMC team

3.3 Safeguards

- 11 The overall status of social and environmental safeguards is summarised in Tables 3.3, 3.4 and 3.5. The position regarding resettlement data/documentation and the next steps are shown in Table 3.2.
- 12 Initial Environmental Examinations (IEEs) were prepared for all the subprojects during the PPTA activities. PMC tasks regarding IEE and EMPs as per TOR are the following:

- Update/redraft IEEs based on the detailed engineering design and domestic IEIAs/EIAs
- Conduct additional analysis and data collection to ensure the final IEEs comply with ADB Safeguards Policy (SPS, 2009);
- Prepare contract specific EMPs and assist MPWT/PMU to agree with design-build contractors and/or attach to bidding documents or potential contractors

- 13 It has been unofficially agreed with the General Department of Resettlement (GDR) that PMC will support GDR in the preparation, processing and review of the resettlement documents, including definition of corridor of impact (COI) and its demarcation in the field, as well as support DMS data collection process in the field by joining the consultation meetings, data quality control and analysis.

Table 3.2 Resettlement Documentation and Next Steps

Town	Sub-Projects	Pending data / documentation	Next steps in following quarter
Kampong Cham	Wastewater	<ul style="list-style-type: none"> ▪ ROW for network ▪ Consultations and DMS/SES/RCS ▪ Consultation with lotus flower pickers 	<ul style="list-style-type: none"> ▪ Review final design and mitigate impact ▪ Start demarcation / DMS
	Solid waste management	<ul style="list-style-type: none"> ▪ New site location ▪ Confirmation of access road 	<ul style="list-style-type: none"> ▪ DDR completed for previous site, all to be re-done with site change
Kratie	Wastewater & Drainage	<ul style="list-style-type: none"> ▪ Outline design 	<ul style="list-style-type: none"> ▪ Prepare Screening report ▪ Review design and mitigate impact
	Solid waste management	<ul style="list-style-type: none"> ▪ SES with waste pickers ▪ Confirmation of access road 	<ul style="list-style-type: none"> ▪ Complete SES and consultations ▪ Prepare DDR
	Town centre improvements	<ul style="list-style-type: none"> ▪ Outline design from town planners 	<ul style="list-style-type: none"> ▪ Prepare Screening report ▪ Review design and mitigate impact
Stung Treng	Wastewater	<ul style="list-style-type: none"> ▪ Outline design 	<ul style="list-style-type: none"> ▪ Prepare Screening report ▪ Review design and mitigate impact
	Solid waste management	<ul style="list-style-type: none"> ▪ SES with waste pickers ▪ Confirmation of access road 	<ul style="list-style-type: none"> ▪ Complete SES and consultations ▪ Prepare DDR
	Town centre improvements	<ul style="list-style-type: none"> ▪ Outline design from town planners 	<ul style="list-style-type: none"> ▪ Prepare Screening report ▪ Review design and mitigate impact

3.4 Gender Action Plan

- 14 The CTDP4 Project is classified as Effective Gender Mainstreaming (EGM) and Gender Action Plan monitoring tables are 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

Table 3.3 Status of IEIA Preparation

Documents	Submitted to MoE	Approved By MoE:	Status – if not approved	Comment
IESIA CW06 – Kampong Cham: Wastewater and drainage	2nd draft Oct 20			Prepare final draft based on comments from Inter-Ministry meeting
IESIA CW07 – Kratie: Wastewater and drainage	2nd draft Nov 20			Inter-ministry meeting on 12 January 2021. 2 nd draft
IESIA CW08 – Stung Treng: Wastewater and drainage	2nd draft Nov 20			Inter-ministry meeting on 11 January 2021. 2 nd draft
IESIA CW03 – Kampong Cham: Solid waste management				Project might be cancelled
IESIA CW04 – Kratie: Solid waste management	1st draft Aug 20			Technical meeting with MoE on 21 st September 2020 and 1 st draft IESIA is being revised
IESIA CW05 – Stung Treng: Solid waste management	1st draft Aug 20			Technical meeting with MoE on 21 st September 2020 and draft IESIA is being revised

Table 3.4 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	
Kampong Cham	Landfill	Yes	State								Site has been changed, no new site. Project might be cancelled
	WWTP	Yes	State	Requested	July 2020			July 2020			IEE/EMP: Under preparation IESIA: To revise report based on inter-Ministry comments
Kratie	Landfill	Yes	State	Yes 02-5-19							IEE/EMP: Under preparation ECA for use of existing site – prior to works commencing. IESIA: Technical meeting with MoE on 21st September 2020 and 1st draft IESIA is being revised
	WWTP	Yes	Private	Requested							IEE/EMP: Under preparation IESIA: Inter-ministry meeting on 12 January 2021. 2nd draft
	Town centre	TBC	State								
Stueng Treng	Landfill	Yes	State	Yes 02-5-19	December 20			December 20			IEE/EMP: Under preparation ECA for closure of existing site in RAMSAR area? IESIA: Technical meeting with MoE on 21st September 2020 and 1st draft IESIA is being revised
	WWTP	Yes	Private	Requested							IEE/EMP: Under preparation IESIA: Inter-ministry meeting on 12 January 2021. 2nd draft
	Town centre	TBC	State								

Table 3.5 Status of Resettlement Safeguards

CTDP4	Subproject / IR category	Site selection	Land ownership	MOE approval	Cadastre data	Demarcation	Consultations / PIB	Land screening report	Land acquired (ha)	DED submitted to GDR	Consultation	DMS/SES & RCS	DRP / DDR	Comments
Kampong Cham	Landfill / ?	Changed/ no new site yet	State	Yes	Yes		PIB submitted	Submitted (old site)		DED on-going			DDR submitted (old site)	Land screening report for old site done. No information on new site. On-hold.
	WWTP / B	Yes	State	Requested	Yes	Yes	PIB submitted	Submitted	n/a	DED completed	Jan-Feb. 21	Jan-Feb. 21	Draft DRP Feb.21	IRP for lotus pickers needed. ROW and cadastral data and network COI urgently needed!
Kratie	Landfill / C	Yes	State	Yes	Yes	Yes	Draft PIB	Submitted	n/a	DED on-going	May.20	n/a	DDR Feb.21	DED to take into account that site contaminated (waste dumping has started) and in middle of community forest. Consultation and IRP needed for waste pickers
	WWTP/ B	Yes (review)	Private		Yes	Yes	21.12.2017	Draft	On-going	DED on-going				WWTP site preliminary impact screening on-going
	Town center / B	TBC	State					Draft	n/a	Design being adjusted to avoid impact				Significant impact anticipated from current walkway design. Avoidance needed
Stueng Treng	Landfill / C	Yes	State	Yes	Yes	Yes	Draft PIB	Submitted	n/a	DED on-going	May.20	n/a	DDR Feb.21	Consultation and IRP needed for waste pickers
	WWTP/ B	Yes	Private			Yes	20.12.2017	Draft	On-going					WWTP site preliminary impact screening on-going
	Town center / B	Yes	State					Draft	n/a	Design being adjusted to avoid impact				Minor secondary impacts expected, to be included in DRP of WWTP

4 Implementation Progress

4.1 Project Organisation and Management

- 15 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).
- 16 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 which addressed the overall planning of the project describing the key issues including subproject land status, priorities, future plans and understanding risks in order to develop a clear strategy and work plan.
- 17 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.
- 18 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.
- 19 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. This will be the Project Office for at least one year.

4.1.1 Contract Variations

- 20 No contract variation request was submitted this quarter. 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 DTL
	2		Feb 2020	March 2020	Change of scope – separate sewers, not combined and traditional procurement not D&B in CTDP4, 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 IElAs
	4	11 September 2020	11 September 2020		Replacement of National Deputy Team Leader 2
This Quarter	None				

4.2 Progress Monitoring

- 21 A Project Performance Monitoring System (PPMS) is being used to record the progress of the project. Summaries of progress by sub-project are shown in Annex C.
- 22 The current status of all project activities is summarised in Table 4.2

Table 4.2 Status of Sub-projects and other Project Activities

CIVIL WORKS AND EQUIPMENT

CTDP4									
CW06 Wastewater WWTP, sewers, drains	Kampong Cham	▪ MOE site approval not required	▪ Yes	▪ Yes	▪ Screening report submitted ▪ DRP being drafted	▪ DED ongoing ▪ Reduced WWTP concept using wetlands agreed	▪ DED for revised WWTP ▪ Network DED to be finalised	▪ PMC	
CW07 Wastewater WWTP, sewers, drains	Kratie	▪ Site not finalised ▪ MOE site approval not required	▪ Yes	▪ Yes	▪ Screening report in draft	▪ Scoping and Review Report submitted ▪ Concept presented to PMU ▪ Compact WWTP layout submitted to PMU ▪ Network design ongoing	▪ Pumping main route to be agreed ▪ Pumping station locations to be agreed	▪ PMC ▪ PIU	
CW08 Wastewater WWTP, sewers, drains	Stung Treng	▪ MOE site approval not required	▪ Yes	▪ Yes	▪ Screening report in draft	▪ Scoping and Review Report submitted ▪ Outline WWTP layout submitted ▪ Presented to Prov Govt	▪ Pumping station locations to be agreed	▪ PMC	
CW03 Landfill	Kampong Cham	▪ Conditional - MOE 27.8.19	▪ Yes	▪ Not yet	▪ Land screening/DDR submitted May 2020	▪ CANCELLED			
CW04 Landfill	Kratie	▪ MOE 2.5.19	▪ Yes	▪ Not yet	▪ Land screening submitted 6 Feb 2020 ▪ DDR in draft	▪ PPTA review and scoping report submitted ▪ Outline layout submitted ▪ Existing dumping at site	▪ Outline design – to be prioritised before Stung Treng	▪ PMC	
CW05 Landfill	Stung Treng	▪ MOE 2.5.19	▪ Yes	▪ Not yet	▪ Land screening submitted 6 Feb 2020 ▪ DDR in draft	▪ PPTA review and scoping report submitted ▪ Outline layout submitted ▪ Presented to Prov Govt ▪ Site to be shifted to avoid cashew trees	▪ Outline layout for shifted site ▪ Site agreement	▪ PMC ▪ PIU ▪ PMU	
CW01 Town centre improvements	Kratie	▪ MOE approval not needed?	▪ Within area surveyed already	▪ N/A	▪ No significant social or env impacts expected	▪ Revised proposals received from PIU ▪ Footpath proposals to be reviewed/revised	▪ To be reviewed and cost estimated	▪ PIU	
CW02 Town centre improvements	Stung Treng	▪ MOE approval not needed?	▪ Within area surveyed already	▪ N/A	▪ No significant social or env impacts expected	▪ Revised proposals received from PIU – 3 schemes ▪ 2 schemes OK, 1 not OK	▪ Additional schemes needed	▪ PIU	

G02	Kampong Cham, Kratie Stung Treng	▪	▪	▪	▪ No action to date	▪	▪ PMC
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PROVINCIAL PLANS AND LAND USE MASTER PLANS

CTDP4							
Provincial spatial plan	Kampong Cham	▪ Situation Report submitted ▪ Workshop Dec 2020	▪				▪ PMC
Provincial spatial plan	Kratie,	▪ Initial site visits and meetings undertaken ▪ Situation Report in preparation	▪	▪ Workshop proposed in January			▪ PMC
Provincial spatial plan	Stung Treng	▪ Initial site visits and meetings undertaken ▪ Situation Report in preparation	▪	▪ Workshop proposed in January			▪ PMC
LUMP Review	Kampong Cham	▪ Draft LUMP received from MLMUPC ▪ Review ongoing	▪				▪
LUMP Review	Kratie	▪ Draft LUMP received from MLMUPC ▪ Review submitted to MLMUPC & presented on 3 rd June 2020	▪				▪

OTHER ACTIVITIES

Item	Status	Action Required	Action By
IEC	▪ Draft TOR submitted to PMU	▪ Shortlist and recruit NGO	▪ PMU/PMC
Capacity Building	▪ Training needs assessment done ▪ First training planned in August – but now delayed due to Covid-19	▪	▪ PMU

4.3 Implementation Activities

4.3.1 Consultant Team

23 The PMC team members mobilised during the quarter are shown in Table 4.3.

Table 4.3 International and National Consultants Active During the Quarter

Position	Name
<i>International</i>	
Team Leader	Richard Mabbitt
Deputy Team Leader	Lars Orio
Wastewater / Civil Engineer	Michael Odgaard Nielsen
Social Safeguards and Resettlement Specialist	Teemu Jantunen
Urban Development Specialist	Howard Trett
Urban and Regional Planner	Hisako Kobayashi
Development Economist	Richard Corsel
Urban and Regional Economist	Manabu Fujikawa
Urban Planner	Tomoki Fukunaga
Project Performance Monitoring Specialist	Nils Gardek
Solid Waste Expert	Steve Long
Social and Gender Expert	Alexander Timmermann
Senior Design Engineer	Dhanesh Prasad
Environmental Safeguards Expert	Jamlong Suthin
Finance and Institutional Specialist	Alice Leocadie-Thauvin
<i>National</i>	
National Deputy Team Leader	Ho Ratha
National Deputy Team Leader	Ly Nara
Environmental Safeguard Specialist	Yim Chamnan
Sanitation Engineer	Va Vandith
Sanitation Engineer	Sarit Chung
Social Safeguards & Resettlement Specialist CTDP4	Mel Sophanna
SWM Specialist	Yin Somean
Urban Planner	Seng Touch
Urban Planner	Sim Bovisal
Tourism Specialist	So Rothavy
Agricultural Economist	Prom Tola
Institutional Specialist	Cheav Nak
Gender expert	So Rothavy
Electromechanical Engineer	Ky Senghun
Land Use Management Specialist	David Chandavin
Phan Bouthoeun	Utility Engineer
GIS Specialist	Mao Socheat
CAD Operator	Lon Soveasna
CAD Operator	Phe Samnang

(Not including engineering design teams in India and Lao PDR)

4.3.2 General Activities

24 Activities during the quarter have included review of the PPTA proposals, meetings with stakeholders, site visits to the towns, topographical and geotechnical surveys and initial design work.

4.3.3 Activities by Output

25 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>Kampong Cham – Wastewater:</i>
	<ul style="list-style-type: none"> ▪ DED ongoing ▪ Design concept for WWTP reviewed and reassessed due to problems of fill volumes and settlement times – wetlands concept being developed ▪ Additional topo and geotechnical surveys undertaken ▪ COI completed and submitted to PMU
	<i>Kampong Cham – Solid Waste Management:</i>
	<ul style="list-style-type: none"> ▪ Service area population analysis ▪ Ongoing landfill site review ▪ Topo survey completed ▪ Presentations to Provincial Government
	<i>Kratie – Wastewater:</i>
	<ul style="list-style-type: none"> ▪ Service area population analysis ▪ Scoping report prepared and submitted ▪ Topo survey completed ▪ Design concept for WWTP reviewed and reassessed due to problems of fill volumes and settlement times – compact WWTP design concept being developed ▪ Outline network identified including pumping main and pump station locations
	<i>Kratie – Solid Waste Management:</i>
	<ul style="list-style-type: none"> ▪ Service area population analysis ▪ Topo survey completed ▪ Scoping report submitted
	<i>Kratie – Town Centre Improvements:</i>
	<ul style="list-style-type: none"> ▪ Initial list of sub-project components received from DPWT ▪ Proposals reviewed and costed
Output 2: Institutional effectiveness, and policy and planning environment Urban Environmental Infrastructure Improved	<i>Stung Treng – Wastewater:</i>
	<ul style="list-style-type: none"> ▪ Service area population analysis ▪ Topo survey completed ▪ Location for WWTP being reviewed ▪ Site visit by TL and team
	<i>Stung Treng – Solid Waste Management:</i>
	<ul style="list-style-type: none"> ▪ Service area population analysis ▪ Scoping report submitted ▪ Topo survey completed
	<i>Stung Treng – Town Centre Improvements:</i>
	<ul style="list-style-type: none"> ▪ Initial list of sub-project components received from DPWT ▪ Proposals reviewed and costed
	<i>Kampong Cham, Kratie, Stung Treng</i>
	<ul style="list-style-type: none"> ▪ Kampong Cham Provincial Spatial Plan – Situation Report submitted, workshop held in November 2020 ▪ Kratie Land Use Master Plan - Review submitted ▪ Kampong Cham Land Use Master Plan – Review submitted ▪ Kratie Provincial Spatial Plan – Situation Report ongoing ▪ Stung Treng Provincial Spatial Plan – Situation Report ongoing ▪ Meetings with provincial and municipal authorities

4.3.4 Meetings

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

4.4 Project Costs

- 27 Estimates of sub-project costs are shown in Table 4.5. These costs are based on the PPTA estimates and will be refined and adjusted following completion of detailed designs.

Table 4.5 Current Estimates of Sub-project Costs

Contract No.	Sub-Project	Estimate US\$m	Source of Estimate	Procurement Plan (14 Aug 2020)	Difference
CW01	Kratie town enhancements	0.75	Procurement Plan	0.75	0.0
CW02	Stung Treng town enhancements	0.75	Procurement Plan	0.75	0.0
CW03	Kampong Cham landfill	-	Cancelled	6.18	-6.18
CW04	Kratie landfill	5.57	Procurement Plan	5.57	0.0
CW05	Stung Treng landfill	5.92	Procurement Plan	5.92	0.0
CW06	Kampong Cham wastewater	30.00	DED engineer's estimate	17.26	12.74
CW07	Kratie wastewater	23.50	DED engineer's estimate	14.14	9.36
CW08	Stung Treng wastewater	30.00	DED engineer's estimate	14.45	15.55
G02	Kampong Cham, Kratie, Stung Treng Landfill equipment	1.35	Procurement Plan	1.35	0.0
Total for civil works and equipment		\$97.84		\$66.37	+\$31.47

- 28 As can be seen in Table 4.5, the current total estimate for civil works and equipment is around **\$31.5m above** the amount in the latest procurement plan.
- 29 For Kratie and Stung Treng wastewater schemes the estimates are based on initial scoping and outline network and pumping station requirements. For all three towns these estimates are for the complete Phase 1 areas identified in the PPTAs, with some minor adjustments. In Kampong Cham the estimate includes the proposed primary storm drainage component, but in Kratie and Stung Treng no drainage is included in the cost estimates.
- 30 The estimate for Kampong Cham wastewater is based on the DED which is almost complete. There is no way to cut the sewerage network and still retain a logical Phase 1. Also, as the largest town in CTDP4 it should probably take priority.
- 31 As Kampong Cham landfill has been cancelled there is an opportunity to reallocate the budget of \$6.18m to the wastewater sub-project, but there will still be a shortfall of around \$6.5m.
- 32 There is scope in the Stung Treng sewerage layout to reduce the size of Phase 1 significantly and still cover the main central parts of the urban area. Such a reduction will bring the cost down to around \$20m. There is less scope in Kratie to adjust Phase 1. The deletion of the catchment area furthest from the town centre would result in a saving of only a few \$m. The other two catchments areas serve the main part of the town.
- 33 **Recommendations:** Decisions are needed urgently to agree the scope of contracts to be designed and tendered. A suggested way forward is to cut the Stung Treng design and contract down to around \$20m, and to complete the DED for a Kratie sewerage scheme worth around \$23.5m but to hold off tendering that one until additional funds are identified. The Kratie scheme is also problematic due to the time required for filling and settlement (see below) so this is a good candidate for postponement of implementation.

4.5 Procurement

4.5.1 Procurement Plan

- 34 The Procurement Plan for CTDP4 is shown in Annex G.

4.5.2 Procurement of Civil Works and Equipment

- 35 There has been no procurement of civil works or equipment (other than for the implementation consultants) thus far. The status of procurement of civil works and equipment contracts is summarised in Table 4.6.

Table 4.6 Status of Civil Works and Equipment Contracts

Package No.	Package Name	Estimated Value (\$m)	Method of Procurement	Type of Contract	Review	Submission of Proposed Bidding Documents to ADB	ADB Approval of Bid Docs	Invitation for Bid/ RFP Issued	Pre-Bid Meeting	Bid Opening / Receipt of Proposals	BER to ADB	ADB Approval of BER/ Issuance of NOL	Contract Signing
CW03	Kampong Cham Solid Waste Management	6.18	ICB	Works	Prior								
CW04	Kratie Solid Waste Management	5.57	ICB	Works	Prior								
CW05	Stung Treng Solid Waste Management	5.92	ICB	Works	Prior								
CW06	Kampong Cham Wastewater and Drainage	17.26	ICB	Works	Prior								
CW07	Kratie Wastewater and Drainage	14.14	ICB	Works	Prior								
CW08	Stung Treng Wastewater and Drainage	14.45	ICB	Works	Prior								
G02	SW Collection Vehicles and Landfill Equipment	1.35	NCB	Equipment	Prior								
CW01	Town Center Environmental Enhancement for Kratie	0.75	NCB	Works	Prior								
CW02	Town Center Environmental Enhancement for Stung Treng	0.75	NCB	Works	Post								
CS02	ICT for Public Management	1.00	QCBS	Cons	Prior								

4.6 Provincial Planning and Municipality Planning

4.6.1 General Activities

- 36 Activities during the quarter include the meetings with MLMUPC, PDLMUPCs, and the provinces for data and information collection, situation analysis, and formulation of situation analysis reports for Provincial Spatial Plans (PSPs) and the review report of the draft Land Use Master Plan (LUMP) for Kampong Cham, a consultation workshop and a vision seminar.

4.6.2 Activities by Output

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

Table 4.7 Key Planning Activities During the Reporting Period

Outputs	Summary of Activities Undertaken
Formulation of Provincial Spatial Plan	<i>Kampong Cham:</i>
	<ul style="list-style-type: none"> ▪ Meeting with the PDLMUPC and the Secretariat members for data collection. ▪ Data and information of the current situation, including population, economy, infrastructure, physical characteristics, protected areas, disaster prone areas, etc. have been collected and analyzed. ▪ Relevant plans and policies have been collected and reviewed. ▪ Base maps and relevant maps were prepared and land use analysis was in progress. ▪ The situation analysis report was formulated and submitted in November 2020. ▪ Consultation Workshop was held on November 30, 2020 to discuss issues, the future vision, and strategies. ▪ Vision Seminar was held on December 25, 2020 for the formulation of provincial vision as part of capacity building training.
	<i>Kratie:</i>
Review of Draft Land Use Master Plan	<i>Kampong Cham:</i>
	<ul style="list-style-type: none"> ▪ Meeting with the PDLMUPC and the Secretariat members for data collection. ▪ Data and information of the current situation, including population, economy, infrastructure, physical characteristics, protected areas, disaster prone areas, etc. have been collected and analyzed. ▪ Relevant plans and policies have been collected and reviewed. ▪ Base maps and relevant maps were prepared and land use analysis was in progress. ▪ The situation analysis report was under preparation.
	<i>Stung Treng:</i>
	<ul style="list-style-type: none"> ▪ Meeting with the PDLMUPC and the Secretariat members for data collection. ▪ Data and information of the current situation, including population, economy, infrastructure, physical characteristics, protected areas, disaster prone areas, etc. have been collected and analyzed. ▪ Relevant plans and policies have been collected and reviewed. ▪ Base maps and relevant maps were prepared and land use analysis was in progress. ▪ The situation analysis report was under preparation.

5 Compliance with Covenants

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

6 Project Implementation Issues

6.1 Issues Affecting Project Implementation Progress

6.1.1 Covid 19

39 The Covid-19 pandemic has had a significant impact on project operations. There have been two periods when meetings and site visits were curtailed, in the early months of the pandemic, and then in November-December 2020 following some cases of community transmission in Cambodia.

40 After a period of only video meetings, occasional normal face-to-face meetings have resumed, although video meetings are still being used frequently.

41 Several long-term international team members have undergone the mandatory two-weeks self-isolation or quarantine on returning to Cambodia. This is clearly not practical for experts due to make short inputs, so a number of consultants have not visited Cambodia as planned. These include the training specialist, resettlement expert, environmental safeguards specialist, and the institutional and financial expert.

42 **Recommended Actions:** The Covid situation is being constantly monitored in Cambodia and overseas. Discussions will be held with team members to consider if consolidation of short-term inputs might make visits with quarantine periods feasible.

6.1.2 Kampong Cham WWTP

43 The site for the WWTP in Kampong Cham has presented a number of design problems as it is located entirely within in area that is under water throughout the year.

44 Several additional geotechnical investigations revealed that in some locations there is soft clay to a depth of 22m. Based on expert analysis it was determined that for the original scheme a massive volume of fill would be required, that the fill area would need to be kept dry for the entire filling and settlement period, and that that period could be up to two years. For these reasons it was agreed with PMU that the original design should be abandoned, and a new approach developed. This was at a stage when 90% of the WWTP design had been completed including extensive calculations and process design for the filling operations.

45 PMC undertook a complete review of the WWTP concept and presented an outline proposal to PMU based on a partial wetlands concept. On this basis PMU gave the go-ahead to prepare a revised DED for a wetlands-based WWTP.

46 There are also issues of cost as the estimate of around \$30m will significantly exceed the current budget of approximately \$17m. There are some potential options to reduce costs, but none are optimal. As the DED for the sewerage network and drainage is virtually complete, it would be a significant task to extract parts of the scheme from the contract documents as the drawings, BOQ and specifications are all interlinked.

47 **Recommended Actions:** The decision to proceed with the entire Kampong Cham for tendering should be made as soon as possible.

6.1.3 Kratie WWTP

48 An outline design for Kratie Wastewater and Drainage was presented to PMU on 16th October. The presentation highlighted the huge volume of fill that would be required at the WWTP site. The length of time for the settlement of the fill before construction could commence was also highlighted. PMU requested investigation of alternative design options, and also asked for an indication of the cost saving of using a nearby site at a higher elevation. These alternatives were mentioned in the Review

and Scoping Report submitted on 28th October. Subsequently PMU advised PMC that there was no possibility to move the WWTP site northwards to higher, drier ground. PMC has therefore developed the design of a more compact WWTP layout in order to minimise the total amount of fill required and the time it will take to deliver the fill and allow it to settle.

49 PMU also requested further study of the possibility of creating a dyke to enclose the WWTP on the existing site. A Technical Note was in preparation at the time of this Report. The Note concludes with a strong recommendation to dismiss this idea on the grounds of risks to environmental and personnel safety.

50 Whilst the compact WWTP design has halved the amount of fill required it is still considerable – around 300,000m³. It is estimated that this will take at least one year to be delivered and settle before construction can commence. It is unlikely therefore that the contract can be completed within the time frame of the current implementation contract that ends in June 2024.

51 In the original alignment of the proposed pumping main from the sewerage network to the WWTP a section of it will be at a low elevation and will be submerged by flood water every wet season. This is not ideal and will require at least one 7-8m high venting tower in this section of the pipeline. PMC have suggested alternate routes to avoid this section, but all routes will require some land acquisition or easements over private land.

52 **Recommended Actions:** The issue of potential contract time overrun needs to be considered for this sub-project.

53 Given the long period required for fill and settlement, PMU is encouraged to pursue the acquisition of land for the preferred pipeline route.

6.1.4 Kampong Cham Landfill

54 Two presentations were provided for Kampong Cham landfill to demonstrate potential protection and mitigation measures in view of the nearby stream and proposed government facilities. Following the second presentation to Kampong Cham provincial government the scheme was put on hold pending investigations into the availability of other suitable sites. The provincial government stated that they previously understood that the scheme was for a recycling facility, not a landfill. PMU requested the Provincial Government to identify an alternate site by 25th December.

55 At the time of writing this report no alternate site had been proposed and the sub-project is considered cancelled.

56 **Recommended Actions:** The cancellation of this sub-project should be officially confirmed and the funds reallocated to the wastewater sub-project in Kampong Cham.

6.1.5 Stung Treng Landfill

57 The site for the landfill in Stung Treng is within an area of Govt land totalling 100ha. The initial proposal was to locate the landfill in the southeast corner of the 100ha as this would require the shortest access road improvement. This was agreed with PIU and PMU and a topographic survey was undertaken. PMC prepared an outline scheme for this site and presented to PMU. However, information from PIU was later received that part of this area is used by a cashew farmer and should be avoided, even though it is within the area of the 100ha Govt land. PMC will therefore undertake a further topographic survey to the north of the site, and prepare a revised outline scheme.

58 **Recommended Actions:** The PMU/PIU have been requested to confirm that there are no similar restrictions on the remainder of the site.

6.2 Contract Supervision Issues

- 59 No contracts have been awarded as yet so there is nothing to report on contract supervision at this stage.

6.3 Other Issues

6.3.1 Support to GDR

- 60 In the process of identifying and assessing physical impacts on properties the level of support requested from GDR has exceeded the PMC TOR and the expectations of the national consultants. Significant extra time and personnel resources have been used to fulfil these requests in all three towns in TS2. PMC will be seeking additional fees for these activities in a future contract variation request.

- 61 **Recommended Actions:** PMU requested to agree to additional fees for supporting GDR beyond the TOR.

6.3.2 IESIAs

- 62 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 the PPTA documents relating to each sub-project. This was aimed at allowing the IESIAs to be drafted without waiting for the DED to be completed for each sub-project.

- 63 In practice this has caused difficulties as in some cases the details available in the PPTA documents are not adequate, and in others the sites are different from those identified in the PPTA. As a consequence, the IESIA consultants have repeatedly pressed PMC to give them design details when no design details have been available. In some cases, therefore, IESIAs have been prepared and submitted without adequate up-to-date data about the sub-projects.

- 64 **Recommended Actions:** IESIA consultants should coordinate more closely with PMC, synchronise with PMC schedules, and accept that DEDs can be delayed.

7 Work Plan

- 65 The summary schedule is shown in Annex D.

- 66 The major activities planned 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
Kampong Cham Wastewater	<ul style="list-style-type: none"> ▪ Completion and submission of draft DED ▪ Final DED following receipt of comments
Kratie Wastewater	<ul style="list-style-type: none"> ▪ Completion and submission of draft DED ▪ Final DED following receipt of comments ▪ COI preparation and submission
Stung Treng Wastewater	<ul style="list-style-type: none"> ▪ Completion and submission of draft DED
Kampong Cham Landfill	<ul style="list-style-type: none"> ▪ Sub-project cancelled
Kratie Landfill	<ul style="list-style-type: none"> ▪ Geotechnical survey ▪ Completion and submission of draft DED ▪ Final DED following receipt of comments ▪ COI preparation and submission
Stung Treng Landfill	<ul style="list-style-type: none"> ▪ Agreement on landfill site within 100ha site allocation – shift from original position ▪ Extension of topographical survey following shifting of landfill ▪ Geotechnical survey ▪ Completion and submission of draft DED ▪ Final DED following receipt of comments
Kratie Town Enhancements	<ul style="list-style-type: none"> ▪ Review and agreement on sub-project components
Stung Treng Town Enhancements	<ul style="list-style-type: none"> ▪ Review and agreement on sub-project components
Kampong Cham, Kratie, Stung Treng SWM Equipment	<ul style="list-style-type: none"> ▪ Assessment and discussions on equipment required ▪ Agreement with PIUs and PMU and preparation of equipment specs for bidding
Institutional Effectiveness	
Semiautonomous Urban Service Units	<ul style="list-style-type: none"> ▪ Policy review ▪ Institutional assessment ▪ Financial assessment ▪ Development of organisational schemes
Urban Development Strategies and Master Plans	<ul style="list-style-type: none"> ▪ Completion and submission of draft PSP for Kampong Cham ▪ Completion and submission of draft PSP for Kratie ▪ Completion and submission of draft PSP for Stung Treng
Training Government Staff	<ul style="list-style-type: none"> ▪ Delivery of initial phase of training programme

Annex A: Design and Monitoring Framework

CTDP4 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 for enhancing regional economic connectivity in participating towns improved	By 2026 a. 31% of the town population in Kampong Cham, Kratie, and Stung Treng (41,400 residents) serviced by new wastewater collection and treatment facilities (2017 baseline: 0 resident) b. 90% of the town population in Kampong Cham, Kratie, and Stung Treng (120,400 residents) residents served by improved solid waste management (2017 baseline: 48,000 residents) c. Incidence of flood and/or waterlogging reduced by 80% in the project service area (2017 baseline: six flood events per year in Kampong Cham, Kratie, and Stung Treng)	a–c. Annual reports by DPWTs and MPWT; project completion report	Lack of financial sustainability caused by limited cost recovery and/or low willingness of households to connect to sewerage network or pay for services. Poor O&M of project infrastructure given limited local capacity.
Outputs 1. Urban environmental infrastructure improved	By 2024 1a. Three new lagoon-based wastewater treatment plants with 13,750 m ³ /day capacity constructed (2017 baseline: 0) 1b. At least 420 km combined trunk and wastewater collection pipeline constructed (2017 baseline: 0) 1c. At least 9,000 households and commercial buildings connected to the wastewater treatment system (including 1,500 households headed by women) (2017 baseline: 0) 1d. Three controlled landfills with capacity of 1,624,500 m ³ constructed and operational (2017 baseline: 0) 1e. At least 16,000 m ² of pedestrian walk rehabilitated (2017 baseline: not available) 1f. 30% of staff employed in O&M are women (baseline 2017: 0)	1a–1f. Project progress reports	Construction delays caused by late approval and implementation of land acquisition and/or resettlement.
2. Institutional effectiveness, and policy and planning environment for regional economic connectivity enhanced	2a. Two ICT-based public management systems for improved work productivity and transparency in three provincial governments deployed (2017 baseline: not available)	2a–2c. Project progress reports	

	<p>2b. Provincial five-year development plans with regional cooperation and development strategy approved in Kampong Cham, Kratie, and Stung Treng (2017 baseline: not available)</p> <p>2c. At least 120 government staff (at least 50% women) in the provincial governments increased ICT skills to operate the ICT-based public services (2017 baseline: 0)</p>		
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Key Activities with Milestones

1. Urban environmental infrastructure improved

- 1.1. Complete the bidding documents for solid waste management component by Q1 2019
 - 1.2. Complete the bidding document for solid waste management goods component by Q1 2020
 - 1.3. Complete the bidding documents for wastewater treatment component by Q3 2019
 - 1.4. Complete the bidding document for the town center enhancement component by Q3 2019
 - 1.5. Complete the engagement of solid waste management contractor(s) by Q4 2020
 - 1.6. Complete the engagement of wastewater treatment contractor(s) by Q1 2020
 - 1.7. Complete the engagement of the town center enhancement contractor(s) by Q1 2020
 - 1.8. Complete the land acquisition and resettlement activities in Kratie by Q1 2020
 - 1.9. Complete the land acquisition and resettlement activities in Stung Treng by Q1 2020
 - 1.10. Complete construction by Q4 2023
2. Institutional effectiveness, and policy and planning environment for regional economic connectivity enhanced
- 2.1. Complete procurement of the ICT consulting service by Q3 2019
 - 2.2. Ensure the completion of the ICT consulting service by Q4 2023

Project Management Activities

Complete the procurement of the project management consulting service by Q1 2019
 Ensure the completion of the project management consulting service by Q2 2024
 Complete environmental management plan key activities, resettlement plan key activities, gender action plan key activities, and communication strategy key activities by Q2 2024

Inputs

Asian Development Bank: \$78.5 million (concessional loan)
 Asian Development Fund Disaster Risk Reduction Fund: \$1.5 million (grant) Republic of Korea e-Asia and Knowledge Partnership Fund: \$0.5 million (grant) Government: \$8.0 million

Assumption for Partner Financing

Not applicable

DPWT = Department of Public Works and Transport, ICT = information and communication technology, km = kilometer, m² = square meter, m³ = cubic meter, m³/day = cubic meter per day, MPWT = Ministry of Public Works and Transport, O&M = operation and maintenance, Q = quarter.

^a Government of Cambodia, Ministry of Planning. 2014. National Strategic Development Plan, 2014–2018. Phnom Penh.

Source: Asian Development Bank

Annex B: List of Key Meetings Held During the Quarter

Date	
1 October 2020	CTDP4- DTL Introduction meeting with PIU and site visit and collected data from the Landfill in Kratie
2 October 2020	CTDP4- DTL Introduction meeting with PIU and site visit and collected data from the Landfill in Kampong Cham
5 October 2020	Meeting with UNDP at PMC office – UNDP introduced by A Nash to explore opportunities for supporting waste technologies at landfills and WWTPs
6 October 2020	Urban Planning team meeting with provincial departments in Kampong Cham province for following up and collecting data
7-9 October 2020	Site investigation for drafting sewer network layout in Kratie
8-9 October 2020	Attending the consultation with MoE team for WWTP in Stung Treng
14 October 2020	Meeting with provincial and municipal authorities about preparation of the Draft Kampong Cham Provincial Spatial Plan and Review of Kampong Cham's Land Use Master Plan
18-19 October 2020	Stung Treng WWTP site and town center improvement screening
19-20 October 2020	Kratie WWTP site and town center improvement screening
20 October 2020	Kampong Cham WWTP site and town center improvement screening
16 November 2020	Tourism Development Specialist to have a meeting with PDoT of Kratie, conducting field survey and tourism site visits
17 November 2020	Tourism Development Specialist to have a meeting with PDoT of Stung Treng, conducting field survey and tourism site visits
20 November 2020	TS2- DTL and Solid Waste Engineer to have presentation on Concept Layout for Kampong Cham Landfill for approval from Kampong Cham Governor. The presentation was joined by MOE, GDR, KPC Governor, and representatives of PMU.
20 November 2020	Meeting with the Governor of Kampong Cham City, and relevant offices of land use master plan formulation to discuss on Kampong Cham Provincial Spatial Plan and Land Use Master Plan of Kampong Cham city
30 November 2020	Provincial Spatial Plan (PSP) and Land Use Master Plan (LUMP) Workshop at Kampong Cham
15 December 2020	Urban and Regional Economist and Urban Planner to have a meeting with a board member of Young Entrepreneurs Association of Cambodia YEAC to discuss Economic Sector in Kampong Cham through the report "Kampong Cham Investment Guide"
15 December 2020	National DTL-TS2, Wastewater Engineer, and PMU to visit site at Kratie for Sewerage system and wastewater treatment plant in order to prepare final layout for design WWTP and force main pipe line for Kratie sub-project
23 December 2020	National DTL-TS2 to conduct a presentation at PMU on Landfill Scope Report and Draft Layout of Kratie and Stung Treng
29 - 30 December 2020	National DTL-TS2, Solid Waste Engineer, and Social Safeguards and Resettlement Specialist to join site visit with PMU and PIU at Stung Treng for landfill site to adjust boundary and avoid impact, checked outfall area for WWTP and checked location of 3 pumping station and primary line in city

Annex C: Project Progress by Output

Activities	Weighting	Plan/Progress (%)	
Overall		Plan cumulative %	57.42%
		Progress to date	28.85%
Output 1: Urban environmental infrastructure improved	85%	Plan cumulative %	58.37%
		Progress to date	27.50%
Wastewater Treatment Plants, Sewerage and Drainage		Plan cumulative %	64.13%
		Progress to date	35.64%
i. Kampong Cham WWTP, Sewerage and Drainage		Plan cumulative %	70.00%
		Progress to date	58.48%
ii. Kratie WWTP, Sewerage and Drainage		Plan cumulative %	62.10%
		Progress to date	26.55%
iii. Stung Treng WWTP, Sewerage and Drainage		Plan cumulative %	60.30%
		Progress to date	21.90%
Wastewater Treatment Plants	20%	Plan cumulative %	64.13%
		Progress to date	39.07%
i. Kampong Cham WWTP	33%	Plan cumulative %	70.00%
		Progress to date	61.30%
Site Selection, Surveys and Approval	10%	Cumulative %	100.00%
Preparation of Resettlement Plan/Due Diligence Review	5%	Cumulative %	90.00%
Preparation/Updating and Approval of IEE & EMP	10%	Cumulative %	90.00%
Preparation and Approval of IEIA	10%	Cumulative %	95.00%
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 %	98.00%
Preparation of BOQ and specs	10%	Cumulative %	90.00%
Preparation of Bidding Documents	2%	Cumulative %	80.00%
Bidding process/Award of contract	5%	Cumulative %	0.00%
Construction and Installation	20%	Cumulative %	0.00%

ii. Kratie WWTP	33%	Plan cumulative % Progress to date	62.10% 31.35%
Site Selection, Surveys and Approval	10%	Cumulative %	100.00%
Preparation of Resettlement Plan/Due Diligence Review	5%	Cumulative %	30.00%
Preparation/Updating and Approval of IEE & EMP	10%	Cumulative %	70.00%
Preparation and Approval of IEIA	10%	Cumulative %	70.00%
Implementation of Land Acquisition and Resettlement/Site Purchase	3%	Cumulative %	70.00%
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 %	25.00%
Preparation of BOQ and specs	10%	Cumulative %	0.00%
Preparation of Bidding Documents	2%	Cumulative %	0.00%
Bidding process/Award of contract	5%	Cumulative %	0.00%
Construction and Installation	20%	Cumulative %	0.00%
iii. Stung Treng WWTP	33%	Plan cumulative % Progress to date	60.30% 24.55%
Site Selection, Surveys and Approval	10%	Cumulative %	100.00%
Preparation of Resettlement Plan/Due Diligence Review	5%	Cumulative %	40.00%
Preparation/Updating and Approval of IEE & EMP	10%	Cumulative %	30.00%
Preparation and Approval of IEIA	10%	Cumulative %	70.00%
Implementation of Land Acquisition and Resettlement/Site Purchase	3%	Cumulative %	10.00%
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 %	15.00%
Preparation of BOQ and specs	10%	Cumulative %	0.00%
Preparation of Bidding Documents	2%	Cumulative %	0.00%
Bidding process/Award of contract	5%	Cumulative %	0.00%
Construction and Installation	20%	Cumulative %	0.00%

Sewers, Drainage & Households and Commercial buildings Connections	30%	Plan cumulative % Progress to date	64.13% 32.22%
i. Kampong Cham Sewerage & Drainage	33%	Plan cumulative % Progress to date	70.00% 55.65%
Site Selection, Surveys and Approval	10%	Cumulative %	100.00%
Preparation of Resettlement Plan/Due Diligence Review	5%	Cumulative %	85.00%
Preparation/Updating and Approval of IEE & EMP	10%	Cumulative %	90.00%
Preparation and Approval of IEIA	10%	Cumulative %	95.00%
Implementation of Land Acquisition and Resettlement/Site Purchase	3%	Cumulative %	0.00%
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 %	98.00%
Preparation of BOQ and specs	10%	Cumulative %	70.00%
Preparation of Bidding Documents	2%	Cumulative %	60.00%
Bidding process/Award of contract	5%	Cumulative %	0.00%
Construction and Installation	20%	Cumulative %	0.00%
ii. Kratie Sewerage & Drainage	33%	Plan cumulative % Progress to date	62.10% 21.75%
Site Selection, Surveys and Approval	10%	Cumulative %	95.00%
Preparation of Resettlement Plan/Due Diligence Review	5%	Cumulative %	30.00%
Preparation/Updating and Approval of IEE & EMP	10%	Cumulative %	0.00%
Preparation and Approval of IEIA	10%	Cumulative %	70.00%
Implementation of Land Acquisition and Resettlement/Site Purchase	3%	Cumulative %	0.00%
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 %	25.00%
Preparation of BOQ and specs	10%	Cumulative %	0.00%
Preparation of Bidding Documents	2%	Cumulative %	0.00%
Bidding process/Award of contract	5%	Cumulative %	0.00%
Construction and Installation	20%	Cumulative %	0.00%

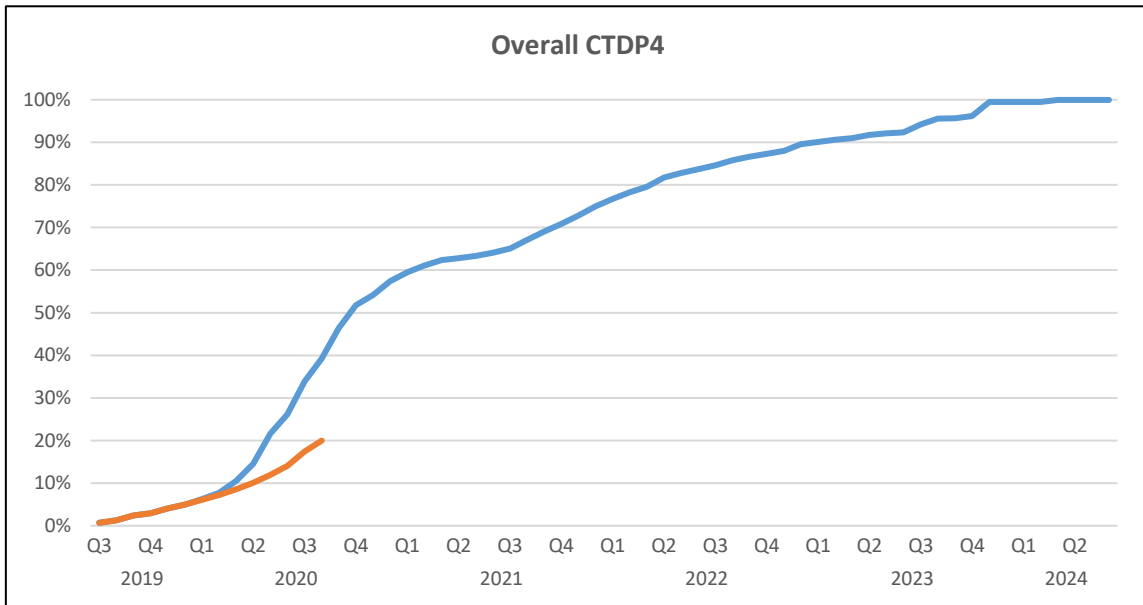
iii. Stung Treng Sewerage & Drainage	33%	Plan cumulative % Progress to date	60.30% 19.25%
Site Selection, Surveys and Approval	10%	Cumulative %	100.00%
Preparation of Resettlement Plan/Due Diligence Review	5%	Cumulative %	30.00%
Preparation/Updating and Approval of IEE & EMP	10%	Cumulative %	0.00%
Preparation and Approval of IEIA	10%	Cumulative %	70.00%
Implementation of Land Acquisition and Resettlement/Site Purchase	3%	Cumulative %	0.00%
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 %	5.00%
Preparation of BOQ and specs	10%	Cumulative %	0.00%
Preparation of Bidding Documents	2%	Cumulative %	0.00%
Bidding process/Award of contract	5%	Cumulative %	0.00%
Construction and Installation	20%	Cumulative %	0.00%
Landfills	20%	Plan cumulative % Progress to date	64.73% 23.75%
i. Kampong Cham Landfill	33%	Plan cumulative % Progress to date	63.00% 25.25%
Site Selection, Surveys and Approval	10%	Cumulative %	100.00%
Preparation/Updating and Approval of IEE & EMP	10%	Cumulative %	10.00%
Preparation and Approval of IEIA	10%	Cumulative %	90.00%
Monitoring of Social and Environmental Safeguards	6%	Cumulative %	0.00%
Implementation of GAP and Communication Plan	6%	Cumulative %	0.00%
Preparation of Detailed Engineering Design	15%	Cumulative %	35.00%
Preparation of BOQ and specs	10%	Cumulative %	0.00%
Preparation of Bidding Documents	2%	Cumulative %	0.00%
Bidding process/Award of contract	6%	Cumulative %	0.00%
Construction and Installation	25%	Cumulative %	0.00%

ii. Kratie Landfill	33%	Plan cumulative % Progress to date	67.40% 23.25%
Site Selection, Surveys and Approval	10%	Cumulative %	100.00%
Preparation of Resettlement Plan/Due Diligence Review	5%	Cumulative %	60.00%
Preparation/Updating and Approval of IEE & EMP	10%	Cumulative %	0.00%
Preparation and Approval of IEIA	10%	Cumulative %	80.00%
Monitoring of Social and Environmental Safeguards	6%	Cumulative %	0.00%
Implementation of GAP and Communication Plan	6%	Cumulative %	0.00%
Preparation of Detailed Engineering Design	15%	Cumulative %	15.00%
Preparation of BOQ and specs	10%	Cumulative %	0.00%
Preparation of Bidding Documents	2%	Cumulative %	0.00%
Bidding process/Award of contract	6%	Cumulative %	0.00%
Construction and Installation	20%	Cumulative %	0.00%
iii. Stung Treng Landfill	33%	Plan cumulative % Progress to date	63.80% 22.75%
Site Selection, Surveys and Approval	10%	Cumulative %	100.00%
Preparation of Resettlement Plan/Due Diligence Review	5%	Cumulative %	50.00%
Preparation/Updating and Approval of IEE & EMP	10%	Cumulative %	0.00%
Preparation and Approval of IEIA	10%	Cumulative %	80.00%
Monitoring of Social and Environmental Safeguards	6%	Cumulative %	0.00%
Implementation of GAP and Communication Plan	6%	Cumulative %	0.00%
Preparation of Detailed Engineering Design	15%	Cumulative %	15.00%
Preparation of BOQ and specs	10%	Cumulative %	0.00%
Preparation of Bidding Documents	2%	Cumulative %	0.00%
Bidding process/Award of contract	6%	Cumulative %	0.00%
Construction and Installation	20%	Cumulative %	0.00%

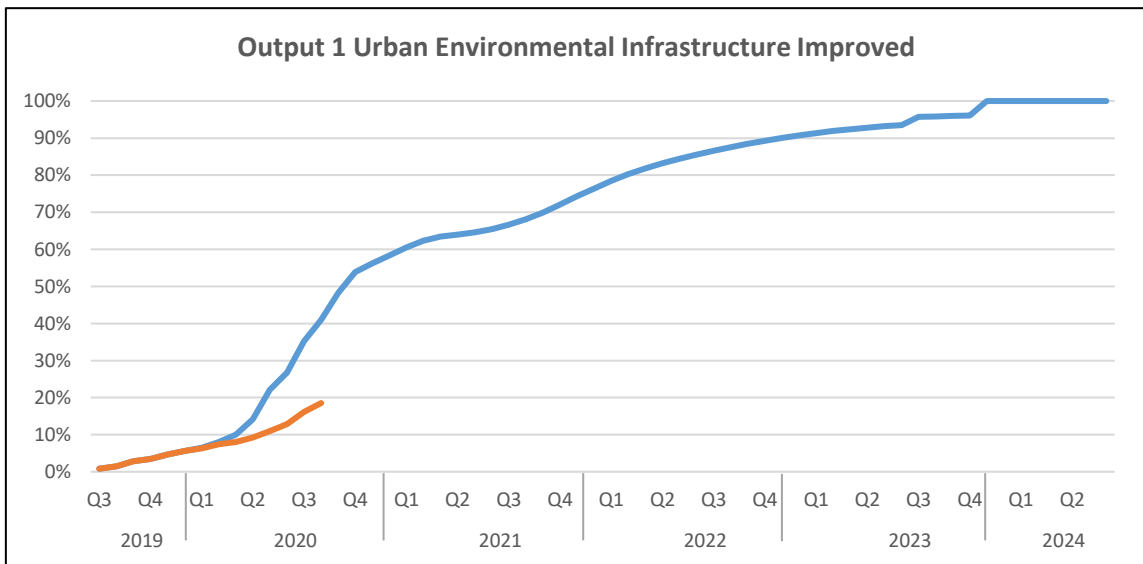
Town Centre Enhancements	10%	Plan cumulative % Progress to date	46.00% 11.50%
i. Kratie Town Centre Enhancements	50%	Plan cumulative % Progress to date	46.00% 13.00%
Site Selection, Surveys and Approval	10%	Cumulative %	80.00%
Preparation of Detailed Design	20%	Cumulative %	25.00%
Preparation and approval of Due Dilligence Report	10%	Cumulative %	0.00%
Monitoring of Social and Environmental Safeguards	5%	Cumulative %	0.00%
Implementation of GAP and Communication Plan	5%	Cumulative %	0.00%
Preparation of Bidding Documents	5%	Cumulative %	0.00%
Bidding process/Award of contract	10%	Cumulative %	0.00%
Construction and Installation	35%	Cumulative %	0.00%
ii. Stung Treng Town Centre Enhancements	50%	Plan cumulative % Progress to date	46.00% 10.00%
Site Selection, Surveys and Approval	10%	Cumulative %	50.00%
Preparation of Detailed Design	20%	Cumulative %	25.00%
Preparation and approval of Due Dilligence Report	10%	Cumulative %	0.00%
Monitoring of Social and Environmental Safeguards	5%	Cumulative %	0.00%
Implementation of GAP and Communication Plan	5%	Cumulative %	0.00%
Preparation of Biding Documents	5%	Cumulative %	0.00%
Bidding process/Award of contract	10%	Cumulative %	0.00%
Construction and Installation	35%	Cumulative %	0.00%

Staff employed in O&M are women	5%	Plan cumulative % Progress to date	0.00% 0.00%
i. Kampong Cham O & M Staff	33%	Plan cumulative % Progress to date	0.00% 0.00%
Staff employed in O&M are women	100%	Cumulative %	0.00%
ii. Kratie O & M Staff	33%	Plan cumulative % Progress to date	0.00% 0.00%
Staff employed in O&M are women	100%	Cumulative %	0.00%
iii. Stung Treng O & M Staff	33%	Plan cumulative % Progress to date	0.00% 0.00%
Staff employed in O&M are women	100%	Cumulative %	0.00%
Output 2: Institutional effectiveness, and policy and planning environment for regional economic connectivity enhancement	15%	Plan cumulative % Progress to date	52.03% 36.47%
i. ICT for Provincial Government	33%	Plan cumulative % Progress to date	20.00% 0.00%
Kampong Cham	33%	Cumulative %	0.00%
Kratie	33%	Cumulative %	0.00%
Stung Treng	33%	Cumulative %	0.00%
ii. Preparation of Provincial Spatial Plans	33%	Plan cumulative % Progress to date	95.00% 84.67%
Kampong Cham	33%	Cumulative %	90.00%
Kratie	33%	Cumulative %	82.00%
Stung Treng	33%	Cumulative %	82.00%
iii. Training	33%	Plan cumulative % Progress to date	41.50% 25.00%
Training Needs Assessment	25%	Cumulative %	100.00%
Training Delivery	75%	Cumulative %	0.00%

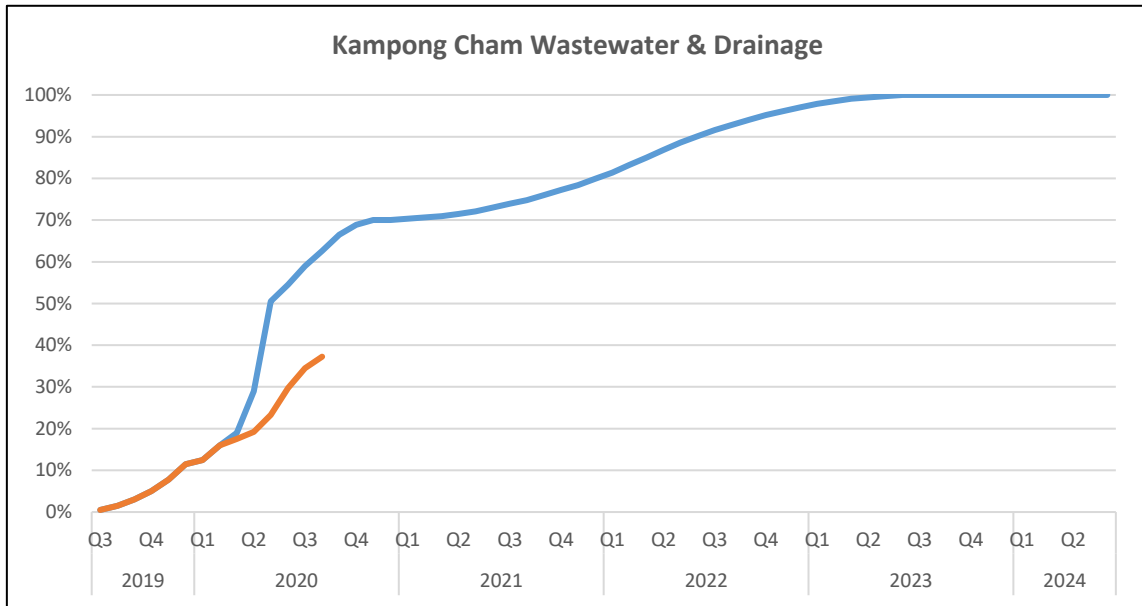
Output Progress Compared with Planned Progress
 (Based on work plans prepared in April 2020)



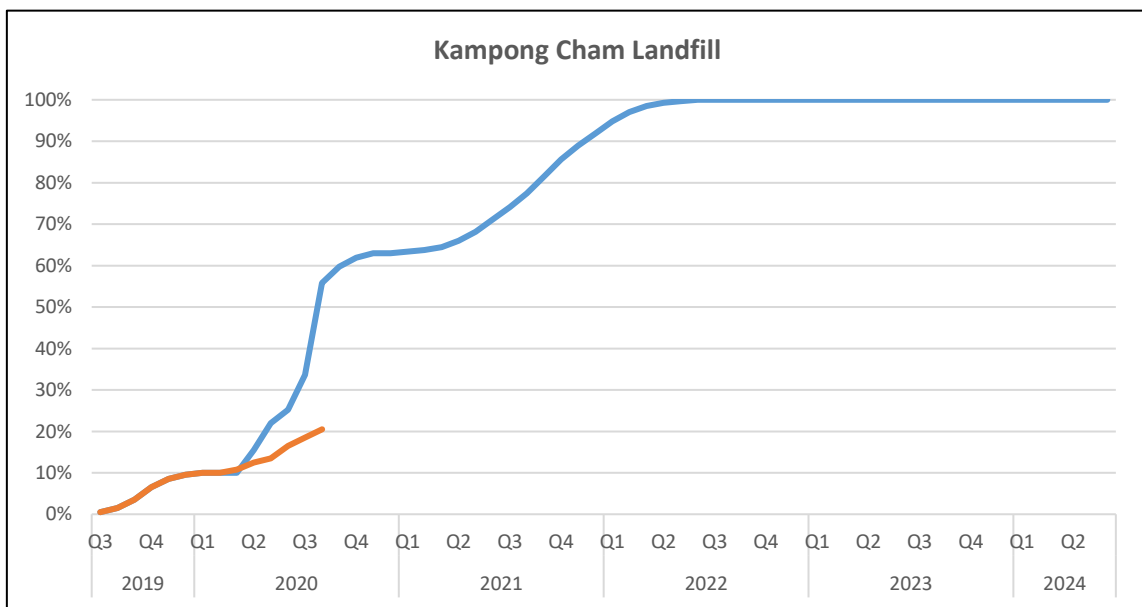
Plan 57.42% **Actual** 28.85%



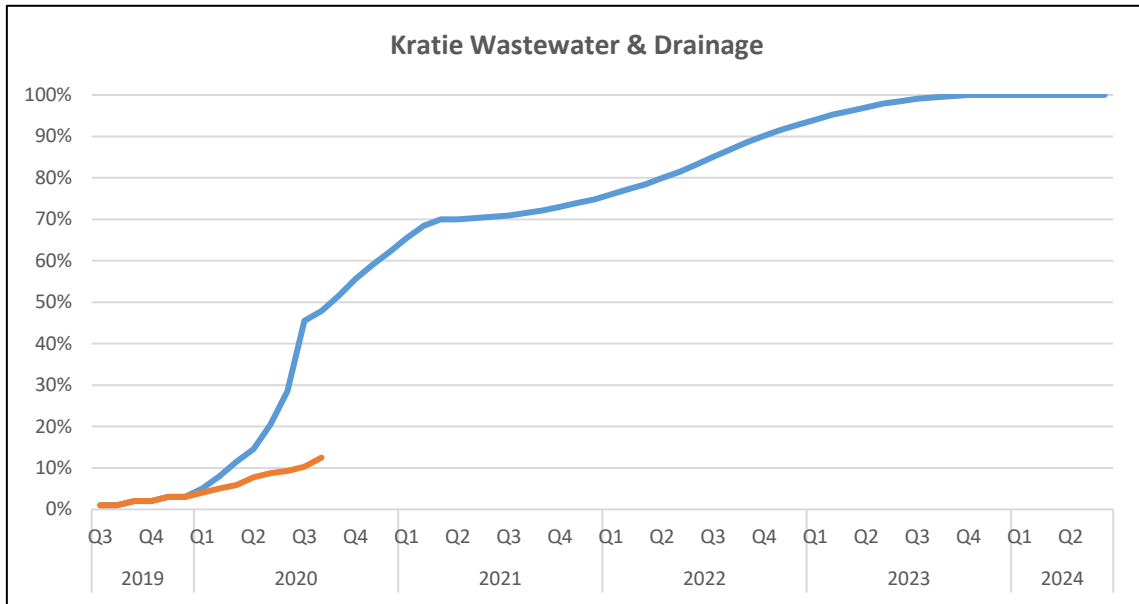
Plan 58.37% **Actual** 27.50%



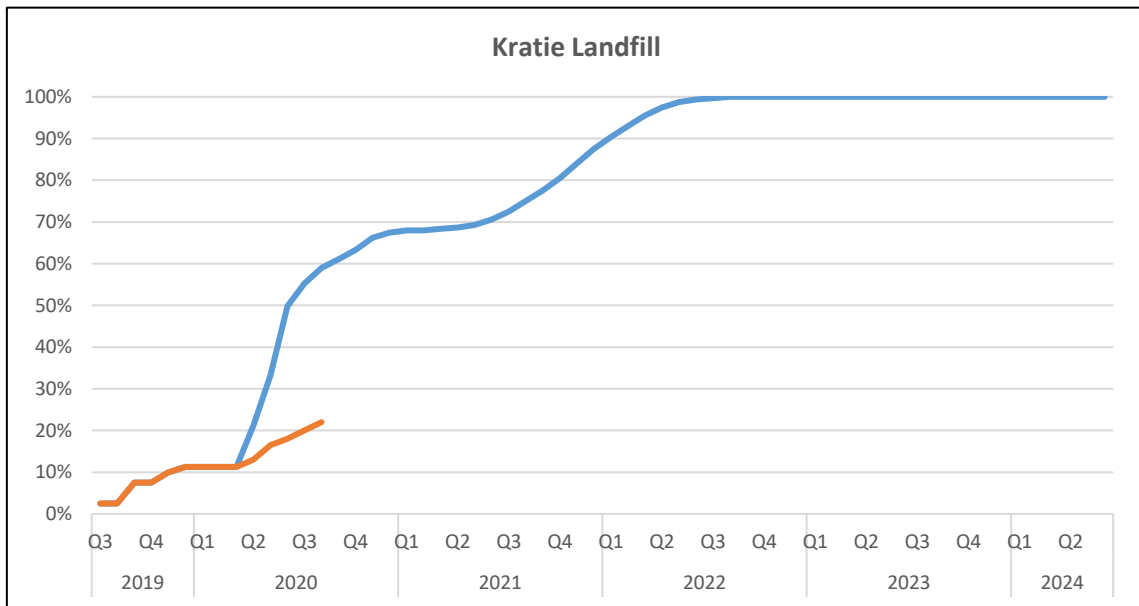
Plan 70.00% **Actual** 58.48%



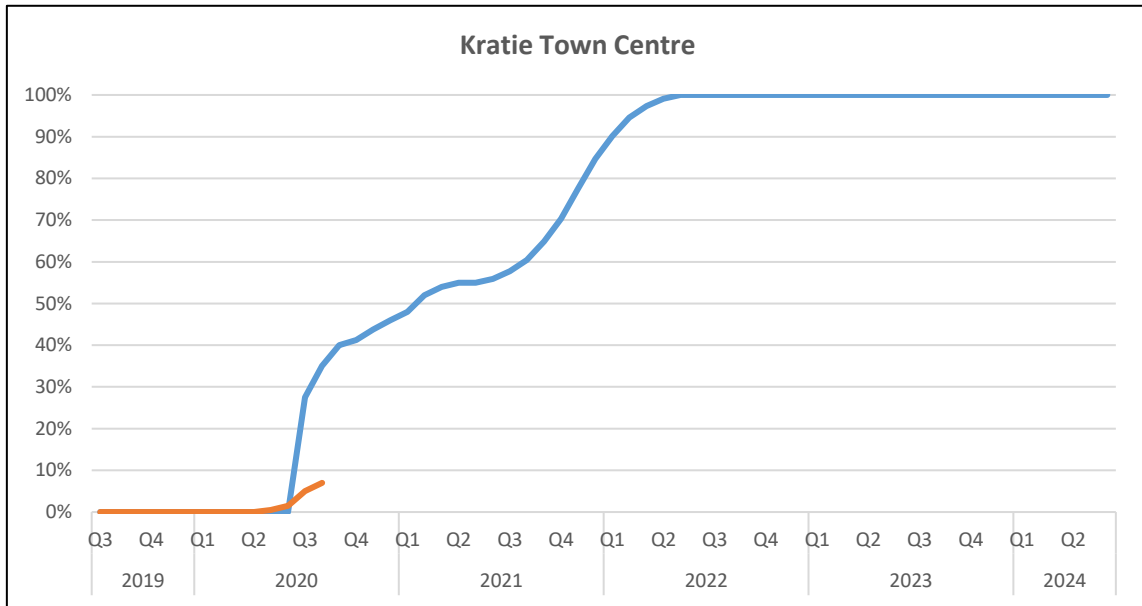
Plan 63.00% **Actual** 25.25%



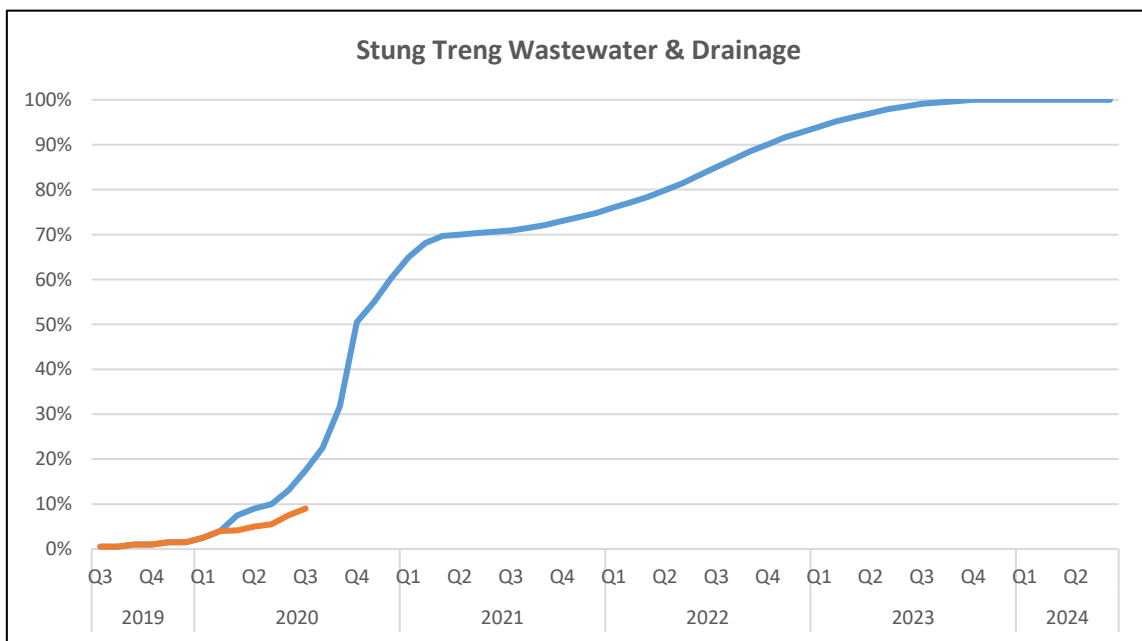
Plan 62.10% **Actual** 26.55%



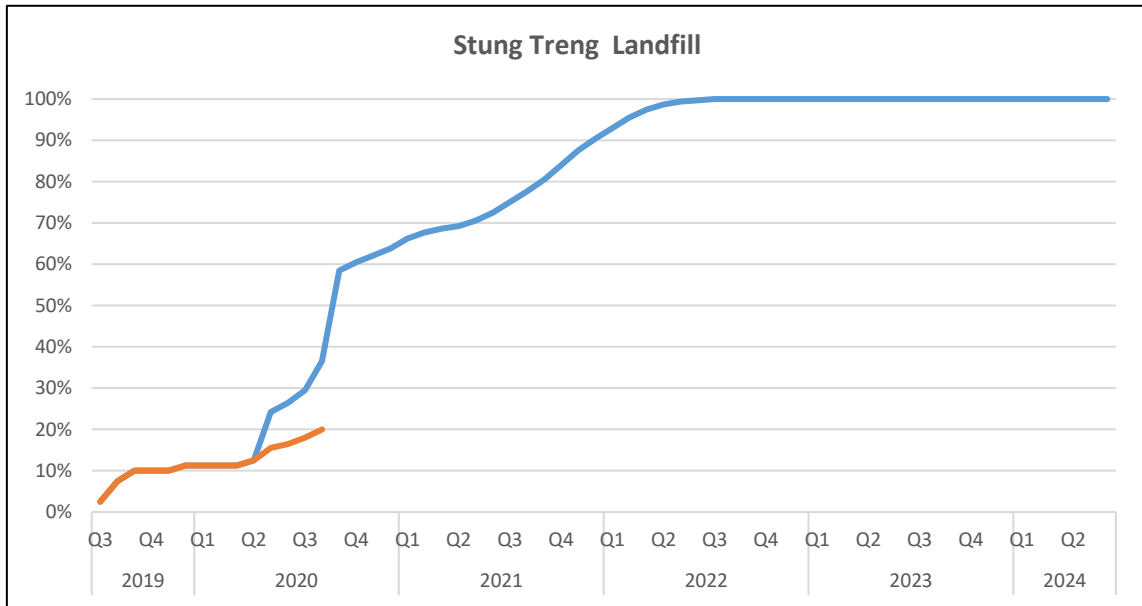
Plan 67.40% **Actual** 23.25%



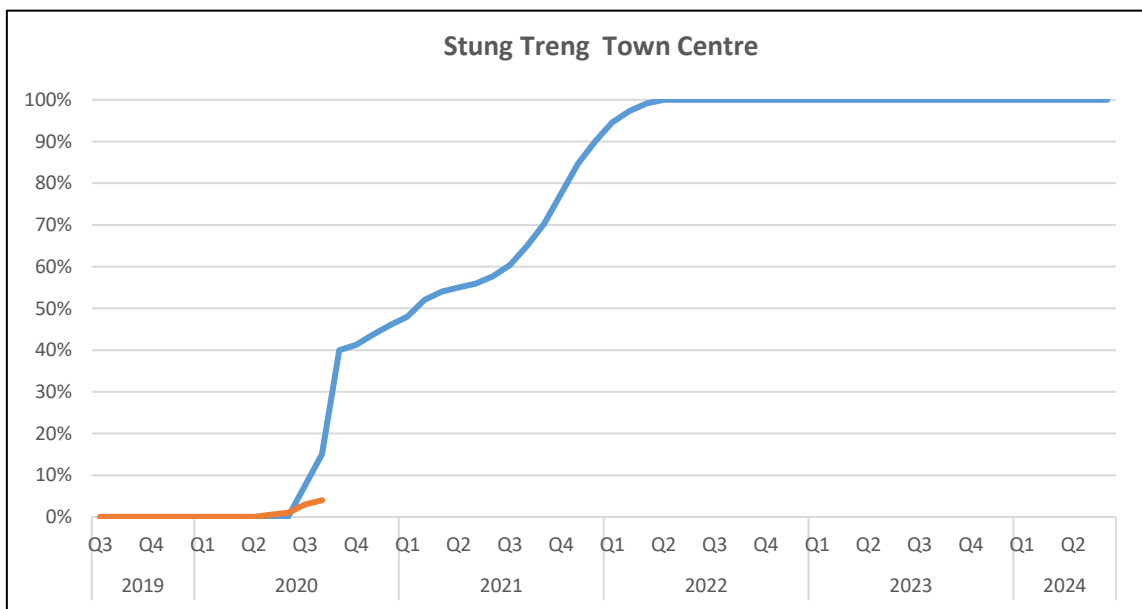
Plan 46.00% **Actual** 13.00%



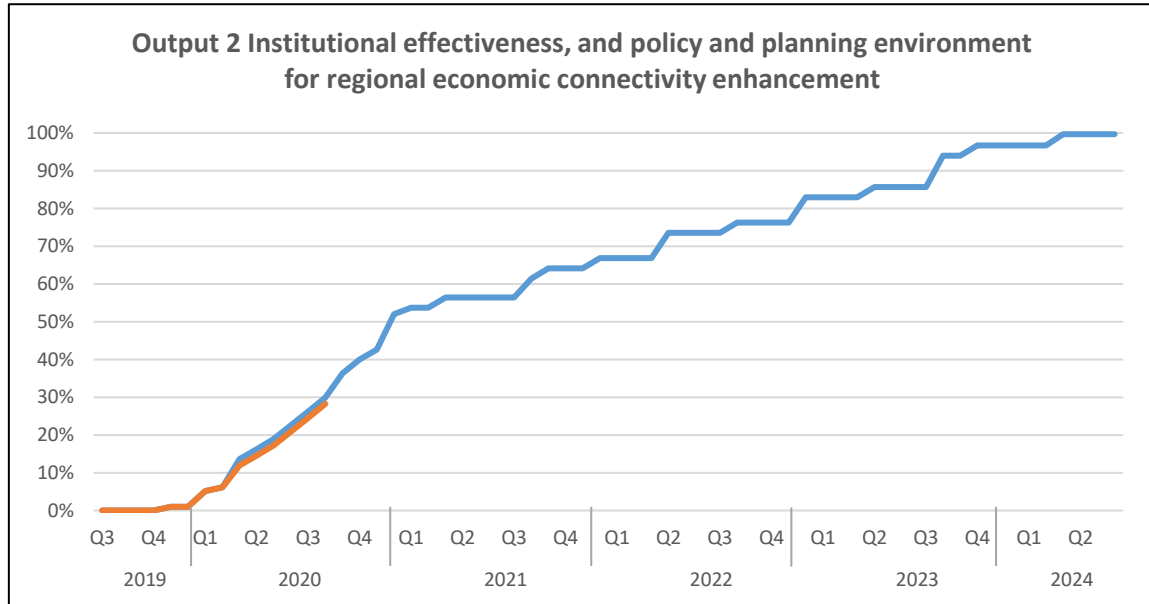
Plan 60.30% **Actual** 21.90%



Plan 63.80% **Actual** 22.75%



Plan 46.00% **Actual** 10.00%



Plan 52.03% **Actual** 36.47%

Annex E: Consultant Inputs (Time-based only)

Name	Position	Contract Amount	Contract Amount after Variation Order No.2	Cumulative to Q3 Sep'20	Q4 Period Oct-Dec'20	Total	Balance
International Expert							
Mr. Richard Mabbitt	Team Leader	27.00	19.20	5.34	1.48	6.82	12.38
Mr. Lars Orio	International Deputy Team Leader	16.29	16.29	2.79	0.43	3.22	13.07
Mr. Jamlong Suthin	Environmental Safeguard Specialist	8.00	8.00	0.56	0.24	0.80	7.20
Mr. Teemu Jantunen	Social Safeguard and Resettlement Specialist	6.00	6.00	2.28	0.55	2.83	3.17
Ms. Alice Thauvin	Finance and Institutional Specialist	3.00	3.00		0.03	0.03	2.97
Mr. Richard Pope	Capacity Development and Training Specialist	3.00	3.00	0.48	0.06	0.54	2.46
National Expert							
Mr. Ly Nara	Deputy Team Leader (CTDP4)	55.00	55.00	11.89	2.94	14.83	40.17
Mr. Yim Chamnan	Environment Safeguards Specialist-2	12.00	12.00	0.95	0.92	1.87	10.13
Mr. Mel Sophanna	Social Safeguard and Resettlement Specialist	12.00	12.00	4.05	0.88	4.93	7.07
Mr. Chheav Nak	Institutional Development Specialist	4.00	4.00		0.38	0.38	3.62

Annex F: Gender Action Plan Monitoring

Gender Action Plan (GAP Activities, Indicators and Targets, Timeframe and Responsibility)	Progress to date (as of December 2020)	Issues, Challenges & Comments
Output 1: Urban environmental infrastructure improved		
Output 1.1: Urban environmental infrastructure in Kampong Cham improved		
<p>Target 1: Wastewater collection connections provided free-of charge to 4,676 HHs in Phase 1 service area of which 991 are FHH, 122 ID Poor 1 and 34 ID Poor 2 HHs.</p> <p>Responsibility: DPWTs/PIUs</p>	<p>Not yet due: Q4 2023</p> <p>Target is included in the draft TOR for the NGO to be subcontracted for IEC.</p>	<p>The WW services will be extended to an already defined service area, which will have a given share of FHH and ID Poor HH.</p> <p>Targets in left column established in the PAM. Targets in the standalone GAP are higher than those in the PAM (4,676 HHs in Phase 1 service area of which 1,153 are FHHs, 154 HHs are ID Poor 1, and 34 HHs are ID Poor 2).</p>
<p>Target 2: Expanded and improved solid waste collection services will cover 2,416 FHHs.</p> <p>Responsibility: Municipality</p>	<p>Not yet due: Q4 2023</p> <p>Targets are included in the draft TOR for the NGO to be subcontracted for IEC.</p>	<p>Indicator is not relevant in respect of the PMC TOR, which only includes services related to landfill construction and provision of equipment.</p>
<p>Target 3: 30% of staff employed in operation and maintenance are women (baseline 2016: 0).</p> <p>Responsibility: PIUs/Cities/organizations, incl. Landfill operation, waste collection operation, and the urban service unit</p>	<p>Not yet due: Q4 2023</p>	<p>The employing organisations to be assigned responsibility for the target.</p> <p>PMC to obtain and review baseline in operating companies.</p> <p>Include 30% of women in the training invitation for O&M staff to ensure target can be met.</p>
<p>Action 1: Pilot project at Sangkat/Commune level on community management of flood resilience, gender equity in post-flood clean-up, and town beautification.</p> <p>Responsibility: DPWTs/PIUs, NGO</p>	<p>Not yet due: Q4 2022</p> <p>The Pilot projects are included in the draft TOR for the NGO to be subcontracted for IEC.</p>	<p>Indicator is not relevant in respect of the PMC TOR, which only includes services related to wastewater collection and landfill construction and provision of equipment.</p>
Output 1.2: Urban environmental infrastructure in Kratie improved		
<p>Target 4: Wastewater collection connections provided free-of charge to 2,688 HHs in Phase 1 service area of which 238 are FHH, 111 ID Poor 1 and 246 ID Poor 2 HHs.</p>	<p>Not yet due: Q4 2023</p> <p>Target is included in the draft TOR for the NGO to be subcontracted for IEC.</p>	<p>The WW services will be extended to an already defined service area, which will have a given share of FHH and ID Poor HH.</p> <p>Targets in left column established in the PAM.</p>

<p>Responsibility: DPWTs/PIUs</p>		
<p>Target 5: Expanded and improved solid waste collection services will cover 825 FHHs.</p> <p>Responsibility: Municipality</p>	<p>Not yet due: Q4 2023</p> <p>Targets are included in the draft TOR for the NGO to be subcontracted for IEC.</p>	<p>Refer above.</p>
<p>Target 6: 30% of staff employed in operation and maintenance are women (baseline 2016: 0).</p> <p>Responsibility: PIUs/Cities/organizations, incl. Landfill operation, waste collection operation, and the urban service unit</p>	<p>Not yet due: Q4 2023</p>	<p>Refer above.</p>
<p>Action 2: Pilot project at Sangkat/Commune level on community management of flood resilience, gender equity in post-flood clean-up, and town beautification.</p> <p>Responsibility: DPWTs/PIUs, NGO</p>	<p>Not yet due: Q4 2022</p> <p>The Pilot projects are included in the draft TOR for the NGO to be subcontracted for IEC.</p>	<p>Refer above.</p>
<p>Output 1.3: Urban environmental infrastructure in Stung Treng improved</p>		
<p>Target 7: Wastewater collection connections provided free-of charge to 2,253 HHs in Phase 1 service area of which 163 are FHH, 122 ID Poor 1 and 6 ID Poor 2 HHs.</p> <p>Responsibility: DPWTs/PIUs</p>	<p>Not yet due: Q4 2023</p> <p>Target is included in the draft TOR for the NGO to be subcontracted for IEC.</p>	<p>The WW services will be extended to an already defined service area, which will have a given share of FHH and ID Poor HH.</p> <p>Targets in left column established in the PAM. Targets differ in the standalone GAP (2,253 HHs in Phase 1 service area, of which 277 are FHHs, 14 are ID Poor 1, 44 are ID Poor 2).</p>
<p>Target 8: Expanded and improved solid waste collection services will cover 446 FHHs.</p> <p>Responsibility: Municipality</p>	<p>Not yet due: Q4 2023</p> <p>Targets are included in the draft TOR for the NGO to be subcontracted for IEC.</p>	<p>Refer above.</p>
<p>Target 9: 30% of staff employed in operation and maintenance are women (baseline 2016: 0).</p> <p>Responsibility: PIUs/Cities/organizations, incl. Landfill operation, waste collection operation, and the urban service unit</p>	<p>Not yet due: Q4 2023</p>	<p>Refer above.</p>

<p>Action 3: Pilot project at Sangkat/Commune level on community management of flood resilience, gender equity in post-flood clean-up, and town beautification.</p> <p>Responsibility: DPWTs/PIUs, NGO</p>	<p>Not yet due: Q4 2022</p> <p>The Pilot projects are included in the draft TOR for the NGO to be subcontracted for IEC.</p>	<p>Refer above.</p>
<p>Output 2: Institutional effectiveness, and policy and planning environment for regional economic connectivity enhanced</p>		
<p>Action 4: Provincial Development Strategies approved include social inclusion and gender equity components.</p> <p>Responsibility: MLMUPLC/PMC</p>	<p>Not yet due: Q4 2023</p> <p>Land Use Master Plan reviews for Kratie and Kampong Cham cover social inclusion and gender equity components.</p> <p>PSPs under development for Kampong Cham, Kratie, Stung Treng, and Banteay Meanchey (TS-2).</p>	<p>Scope has changed to Provincial Spatial Plan (PSP). Therefore, action is proposed changed to: "Provincial Spatial Plan approved include social inclusion and gender equity components." Scope of the PSPs follows the Provincial Spatial Planning Handbook, MLMUPLC. Change of action may be considered at MTR.</p>
<p>Target 10: In development of Provincial Development Strategy and implementation of ICT initiatives 30% and 50%, respectively, of participants from government agencies will be female staff.</p> <p>Responsibility: DPWTs/PIUs</p>	<p>Not yet due: Q2 2022</p> <p>Gender of committee members and secretariat members involved in the PSPs are as follows:</p> <p>Kampong Cham</p> <ul style="list-style-type: none"> • Committee: 3 F of 22 • Secretariat: 0 F of 13 <p>Kratie</p> <ul style="list-style-type: none"> • Committee: 1 F of 34 • Secretariat: 0 F of 28 <p>Stung Treng:</p> <ul style="list-style-type: none"> • Committee: 4 F of 35 • Secretariat: 4 F of 22 <p>Banteay Meanchey (TS-2)</p> <ul style="list-style-type: none"> • Committee: 3 F of 40 • Secretariat: 3 F of 36 	<p>Scope has changed to Provincial Spatial Plan. Therefore, target is proposed changed to: "In development of Provincial Spatial Plan and implementation of ICT initiatives 30% and 50%, respectively, of participants from government agencies will be female staff." Change of target may be considered at MTR.</p> <p>Members are appointed from government agencies based on position, which make it difficult to achieve specific gender ratio.</p> <p>Female participation will be monitored but achieving the target is beyond the control of the PMC.</p>

<p>Target 11: In workshops related to Provincial Development Strategy and ICT initiatives 50% of participants will be women</p> <p>Responsibility: DPWTs/PIUs, PMC and ICTM Consultant</p>	<p>Overdue: Q4 2019</p> <p>Kampong Cham on 30-Nov 2020: Total participants: 3 F of 55</p> <p>Banteay Meanchey, Serei Saophoan (TS-2) on 26-Nov 2020: Total participants: 6 F of 66</p>	<p>Scope has changed to Provincial Spatial Plan. Therefore, target is proposed changed to: "In workshops related to Provincial Spatial Plan and ICT initiatives 50% of participants will be women." Change of target may be considered at MTR.</p> <p>Due to scope change to Provincial Spatial Plan workshops have been delayed. ICT initiatives have not commenced yet and are not under PMC scope.</p> <p>Female participation will be monitored but achieving the target is beyond the control of the PMC.</p>
<p>Action 5: Existing staff responsible for financial management and administration (majority women) to be trained in ICTM</p> <p>Responsibility: DPWTs/PIUs, ICTM Consultant</p>	<p>Not yet due: Q4 2022</p>	
<p>Target 12: At least 120 government staff (at least 50% women) in the provincial governments trained in ICT skills to operate the ICTM services (2017 baseline: 0)</p> <p>Responsibility: MPWT/PMU, ICTM Consultant</p>	<p>Not yet due: Q4 2023</p>	<p>ICTM Consultant to review baseline data</p>
<p>Target 13: At least 60 government staff (at least 25% women) in the implementing agencies gained new technical, operational and maintenance knowledge and skills on wastewater treatment facility, drainage systems and controlled landfill (2017 baseline: 0)</p> <p>Responsibility: MPWT/PMU</p>	<p>Not yet due: Q4 2023</p>	<p>Pre- and post-training questionnaires will be distributed in coordination with the Capacity Development and Training Specialist.</p> <p>At least 25% women participating in training or workshop related to those skills will be included in the workshop/training invitation letter.</p> <p>Target to be discussed at GAP orientation.</p>
<p>Target 14: Women's representation in PMU/PIU decision making and technical positions 20% (PMU and PIU Steung Treng) and 25% (PIUs Kampong Cham and Kratie). (Baseline (2011-2015) for PMU: MPWT 17%; PDPWT cumulative 14.85% women in managerial positions, PIU: PDPWT percentage of managerial positions occupied by women: Kampong Cham: 25% Kratie 22%; Stung Treng 18%)</p> <p>Responsibility: Steering Committee responsible for ensuring % of women in Committee PMU and PIU</p>	<p>Staff lists and gender lists have been collected by the PMC from the PMU and PIUs. Women representation are as follows:</p> <p>PMU: 0 of 10 (0% versus a target of 20%)</p> <p>PIU Steung Treng: 0 of 9 (0% versus a target of 20%)</p>	<p>Targets to be discussed at GAP orientation.</p> <p>PIUs are composed of members from PDPWT, municipalities, and provincial local administration staff.</p>

	<p>PIU Kampong Cham: 1 of 9 (11% versus a target of 25%)</p> <p>PIU Kratie: 0 of 9 (0% versus a target of 20%)</p>	
<p>Action 6: Orientation on GAP implementation, monitoring, and reporting provided to PMU/PIU staff, and local implementation partners.</p> <p>Responsibility: MPWT/PMU, DPWTs/PIUs</p>	<p>Overdue: Q1 2019</p>	<p>National Gender Consultant has mobilised with the PMC, while Gender Focal Point in the PMU (EA) is yet to mobilise.</p>
<p>Action 7: GAP integrated in overall work plan, budget and PPMS.</p> <p>Responsibility: MPWT/PMU, DPWTs/PIUs, PMC</p>	<p>GAP has been integrated in overall workplan, budget and PPMS</p>	
<p>Action 8: Collection and monitoring of sex-disaggregated data with gender sensitive indicators incorporated in the PPMS and reflected in quarterly reports and GAP monitoring reports using ADBs template.</p> <p>Responsibility: MPWT/PMU/PMC</p>	<p>GAP Monitoring Template received and annexed the quarterly reports.</p>	

Annex G: Procurement Plan

CTDP4 PROCUREMENT PLAN

Basic Data

Project Name: Fourth Greater Mekong Subregion Corridor Towns Development Project	
Project Number: 50099-002	Approval Number: 3686/0593/0592
Country: Cambodia	Executing Agency: Ministry of Public Works and Transport
Project Procurement Risk: Medium	Implementing Agency: N/A
Project Financing Amount: US\$ 88,500,000 ADB Financing: US\$ 80,000,000 Cofinancing (ADB Administered): US\$ 500,000 Non-ADB Financing: US\$ 8,000,000	Project Closing Date: 30 June 2024
Date of First Procurement Plan: 1 August 2018	Date of this Procurement Plan: 14 August 2020 Version 3
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	
National Competitive Bidding for Goods	Between US\$ 100,000 and US\$ 999,999	The first NCB is subject to prior review, thereafter post review.
Shopping for Goods	Up to US\$ 99,999	
International Competitive Bidding for Works	US\$ 3,000,000 and Above	
National Competitive Bidding for Works	Between US\$ 100,000 and US\$ 2,999,999	The first NCB is subject to prior review, thereafter post review.
Shopping for Works	Up to US\$ 99,999	

Consulting Services	
Method	Comments
Quality- and Cost-Based Selection for Consulting Firm	80:20 and 90:10; FTP
Quality-Based Selection for Consulting Firm	
Individual Consultant Selection for Individual Consultant	

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
CW03	Kampong Cham Solid Waste Management Subproject	6,180,000.00	ICB	Prior	1S1E	Q4 / 2020	Prequalification of Bidders: N Domestic Preference Applicable: N Bidding Document: Small Works
CW04	Kratie Solid Waste Management Subproject	5,570,000.00	ICB	Prior	1S1E	Q4 / 2020	Prequalification of Bidders: N Domestic Preference Applicable: N Bidding Document: Small Works
CW05	Stung Treng Solid Waste Management Subproject	5,920,000.00	ICB	Prior	1S1E	Q4 / 2020	Prequalification of Bidders: N Domestic Preference Applicable: N Bidding Document: Small Works
CW06	Kampong Cham Wastewater and Drainage Subproject	17,260,000.00	ICB	Prior	1S1E	Q3 / 2020	Prequalification of Bidders: N Domestic Preference Applicable: N Bidding Document: Large Works
CW07	Kratie Wastewater and Drainage Subproject	14,140,000.00	ICB	Prior	1S1E	Q4 / 2020	Prequalification of Bidders: N Domestic Preference Applicable: N Bidding Document: Large Works

CW08	Stung Treng Wastewater and Drainage Subproject	14,450,000.00	ICB	Prior	1S1E	Q4 / 2020	Prequalification of Bidders: N Domestic Preference Applicable: N Bidding Document: Large Works
G02	Solid Waste Collection Vehicles and Landfill Equipment	1,350,000.00	ICB	Prior	1S1E	Q4 / 2021	Prequalification of Bidders: N Domestic Preference Applicable: N Bidding Document: Goods

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
CS02	ICT for Public Management	1,000,000.00	QCBS	Prior	Q4 / 2020	FTP	Assignment: International Quality-Cost Ratio: 80:20

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
CW01	Kratie Town Centre Environmental Enhancement	750,000.00	1	NCB	Prior	1S1E	Q4 / 2020	Prequalification of Bidders: N Domestic Preference Applicable: N Bidding Document: Small Works

CW02	Stung Treng Town Centre Environmental Enhancement	750,000.00	1	NCB	Post	1S1E	Q4 / 2020	Prequalification of Bidders: N Domestic Preference Applicable: N Bidding Document: Small Works
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Consulting Services								
Package Number	General Description	Estimated Value	Number of Contracts	Recruitment Method	Review (Prior/Post)	Advertisement Date (quarter/year)	Type of Proposal	Comments
ICS02	Financial Management Specialist	80,000.00	1	ICS	Prior	Q4 / 2020		Assignment : National Expertise: Financial management
ICS03	Procurement Specialist	80,000.00	1	ICS	Prior	Q4 / 2020		Assignment : National Expertise: Procurement

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 (5 units)	190,000.00	160,000.00	NCB	Q1 / 2020	22-JUN-20	

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
PMCS-CS01	Project Management, Detailed Engineering Design, Construction Supervision, Provincial Development Strategy and Capacity Building	6,100,000.00	5,834,010.83	QCBS	Q2 / 2018	20-JUN-19	The contract is both under CAM; TS and CAM: GMS4
ICS01	Project Implementation Specialist	250,000.00	280,000.00	ICS	Q3 / 2019	25-MAR-20	Mr. Greesh Kumar Sharma

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

No.	Covenant	Reference	Status of Compliance
	CTDP4 Loan 3686		
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 this 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 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.	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
	CTDP4 Grant 0592		
6	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 ADB Loan Agreement.	Section 4.01	Ongoing
7	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
8	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
9	The Recipient 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 Recipient, unless the Recipient shall otherwise agree.	Section 4.02 (c)	Ongoing

No.	Covenant	Reference	Status of Compliance
10	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
CTDP4 Grant 0593			
11	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 ADB Loan Agreement.	Section 4.01	Ongoing
12	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
13	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
14	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 provided that such discussions shall be conducted only in the presence of an authorized officer of the Recipient, unless the Recipient shall otherwise agree.	Section 4.02 (c)	Ongoing
15	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
16	The Recipient acknowledges and agrees that this Grant Agreement is entered into by ADB, not in its individual capacity, but as trustee of the Republic of Korea e-Asia and Knowledge Partnership Fund. Accordingly, the Recipient agrees that (a) it may only withdraw Grant proceeds to the extent that ADB has received proceeds for the Grant from the Republic of Korea e-Asia and Knowledge Partnership Fund and such proceeds has not been suspended or cancelled in whole or in part by the Republic of Korea e-Asia and Knowledge Partnership Fund pursuant to the Cofinancing Agreement, and (b) that ADB does not assume any obligations or responsibilities of the Republic of Korea e-Asia and Knowledge Partnership Fund in respect of the Project or the Grant other than those set out in this Grant Agreement.	Section 4.04	Ongoing