



Ministry of Public Works and Transport

Integrated Urban Environmental Management in the Tonle Sap Basin Project

QUARTERLY PROGRESS REPORT NO. 6

01 April to 30 June 2018

July 2018



SUBMITTED BY_



IN JOINT VENTURE WITH_



IN ASSOCIATION WITH_



Consulting Services for Project Management and Implementation Support (PMIS, Package 1)

Integrated Urban Environmental Management in the Tonle Sap Basin Project (IUEMTSBP)

ADB LoanNo.3311-CAM (SF) / 8295-CAM (SCF) / Grant 0454-CAM--Contract No. PMU/MPWT/IUEMTSP/QCBS/16/001

Our Reference No. :

22 November 2018

To:

H.E. Vong Pisith, Project Director
Ministry of Public Works & Transport
Room 02, Third Floor, Western Building,
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Email: vong_pisith@yahoo.com

Subject: Integrated Urban Environmental Management in the Tonle Sap Basin Project;
Submission Quarterly Progress Report No.6 for the period from 01 April to 30 June
2018

Dear Excellency,

Please find attached the Quarterly Progress Report No. 6 for the Integrated Urban Environmental Management in the Tonle Sap Basin Project (IUEMTSP) covering the period between 01 April to 30 June 2018 for your kind perusal and comments. We regret the delay in submission of this report. Since my inputs in the project are intermittent I was not present at the time the report had to be prepared and submitted and the capacity of the local specialist in the consulting team for preparation of the QPR is very limited. This and the other work load contributed to the present delay in presentation of the report. We are working on a more standard template for report presentation that would facilitate the direct contribution of the national specialists to the report and this avoid these delays in the submission of QPRs in the future.

Sincerely yours,



Mr. Louis Rijk
Team Leader
PMIS Consultants (IUEM-TSBP)
Korea Engineering Consultant Corp.

cc: ADB
KECC,
File: Admin
encl.: QPR No. 6

INTEGRATED URBAN ENVIRONMENTAL MANAGEMENT IN THE TONLE SAP BASIN PROJECT

QUARTERLY PROGRESS REPORT No.6

01 APRIL – 30 JUNE, 2018

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ABBREVIATIONS

ADB	Asian Development Bank
AH	Affected household
AM	Aide Memoire
ASEAN	Association of Southeast Asian Nations
CMEI	Community Mobilization and Environmental Improvements
CSEC	Cambodia Socio-Economic Consensus
CBO	Community-based Organization
CDT	Capacity Development and Training
CMEI	Community Mobilization and Environmental Improvements
DEF	Provincial Department of Economy and Finance
MEF	Ministry of Economy and Finance
DMF	Design and monitoring framework
EA	Executing Agency
EMP	Environmental management plan
GMS	Greater Mekong Subregion
ICB	International competitive bidding
IDPoor	Identification of Poor Households Programme
IEC	Information, education and communication
IEE	Initial environmental examination
JICA	Japan International Cooperation Agency
MEF	Ministry of Economy and Finance
MOE	Ministry of Environment
MOWRAM	Ministry of Water Resources and Meteorology
MPWT	Ministry of Public Works and Transport
NCB	national competitive bidding
NGOs	Nongovernment organizations
OJT	On-the-job training
O&M	Operation and maintenance
PAM	Project administration manual
PDPWT	Provincial departments of public works and transport
PIU	Project implementation unit
PMIS	Project management and implementation support
PMU	Project management unit
PPCR	Pilot program for climate resilience
PMIS	Project Management Implementation and Supervision
PPP	Public Private Partnership
PSP	Private Sector Participation
RP	Resettlement plans
SWM	Solid waste management
SNA	Sub-National Authorities
SWC	Solid Waste Committee
TOR	Terms of reference
TSA	Tonle Sap Authority
UGSW	Urban Garbage and Solid Waste
USU	Urban Services Unit (Municipal)

1 EXECUTIVE SUMMARY

1.1 Background

1. The project was approved on 10 November 2015 and declared effective on 2 March 2016. The project aims to increase economic activities and environmental protection in the towns of Kampong Chhnang and Pursat in the Tonle Sap Basin. The outcome is expected to be improved urban services and enhanced climate change resilience in Kampong Chhnang and Pursat municipalities. The project has five outputs: (i) Kampong Chhnang Urban Area Improvements; (ii) Pursat Urban Area Improvements; (iii) Community Mobilization and Environmental Improvements, (iv) Strengthened Sector Coordination and Operations and (v) Strengthened Capacity for Project Implementation and operations and maintenance (O&M). The key infrastructure financed under the project includes flood protection infrastructure (embankment), construction of a new landfill facility and improvement of solid waste management and community-driven environmental improvements in Kampong Chhnang; and improvement of the storm water drainage, treatment of waste water, construction of a new landfill facility improvement of solid waste management and community-driven environmental improvements in Pursat. The planned improvements of the river embankment along the Tonle Sap have been cancelled as these improvements will be financed under an EU financed project.

1.2 Overall Project Progress

2. The overall progress of project implementation is estimated to be 14.2% against and elapsed time from the date of project effectiveness of 25.9 %. As per the revised implementation schedule (see annex 1) the actual progress is now about 5 weeks behind the planned progress at the end of this reporting period (31-03-2018).

Kampong Chhnang Urban Environmental Improvements

Flood Protection Embankment	In a meeting with the ADB mission on 4 April it was agreed to reduce the scope of the embankment to the section south of the tourist port to avoid non-compliance issues that might result from the organization of the river festival in March 2019. However, in a meeting with the provincial authorities and the Ministry of Tourism on 9 May assurances were given that for the river festival infrastructure improvements, no involuntary resettlement will be carried out in areas in or close to the alignment of the proposed flood protection embankment and therefore the hope was expressed that the construction of the flood protection embankment under ADB financing could be carried out as per the original plan. This request was conveyed to ADB by PMU and a decision on this matter from ADB is pending.
Improved Solid Waste management	The final design, BOQ, cost estimate and technical specifications have been submitted to PMU for finalizing of the bidding documents

Pursat Urban Environmental Improvements

Improvement Drainage in Pursat Town and Waste Water Treatment	Design for the improvement of the drainage system has been hampered by the difficulty to collect sufficient and accurate data on the existing pipe network. Of the 797 manholes it was only possible to open 105 manholes/junction boxes to get information on inverted pipe levels, pipe diameter, and accumulation of sediment and waste in the pipes. The collected data shows that the problem of inaccurate levels is far more severe than originally estimated and that the accumulation of sediment and waste in the pipe system is very critical.
Improved Solid Waste management	

Safeguards

Environment	Updating of the IEE for the project and preparation of the EMPs for the Pursat and Kampong Chhnang landfill construction is ongoing
Resettlement	The DMS for the 210 AH along the embankment alignment between the tourist port and the new ferry landing has been completed as well as the DMS for 51 affected shops along the tourist port access road. DMS/SES for the landfill subprojects is to be started. The GDR survey

Gender Action Plan	<p>team was demobilized before the Khmer new year and has not been mobilized again.</p> <p>The GAP as included in the PAM has been revised as per the latest requirements of ADB</p> <p>Institutional Development</p>
Capacity Development	<p>A training needs assessment for the PMU and PIUs was carried out and based on this assessment a draft capacity development plan was prepared and presented in a workshop on 29 May. No feedback or comments on the plan have been received so far.</p>
Establishment Urban Service Units	<p>An initial note on the road map for establishment of USUs has been prepared. Further support for the USU establishment by the PMIS will require a contract variation to transfer responsibilities and resources from package 3 to the PMIS contract</p>
Operational & Financial management	
Tariff Structure Tariff Setting and Subsidy Methodology	<p>Solid Waste Tariff Models are continuing to be developed for Pursat and Kampong Chhnang as statistical and financial information becomes available and the operational structure is developed</p>
Private Sector Participation	<p>Two field missions realized by the PSP specialist in Cambodia on March and May-June 2018. Aside from the review of the available documentation, several organizations were met, including the MOE, CSARO, GAEA Company. Visits to Pursat and Kampong Chhnang in May 2018 enabled discussions with PIUs, municipal governments, DOE, solid waste collectors</p>

1.3 Consultant Services

3. Up to the end of this reporting period, 30 June 2018, the total person months used by the International Specialists is 30.4 person-month out of a total provision of 78 person-month (39%), leaving a balance of 47.6 person-month., the total person months used by the National Specialists is 99.6 person month out of a total provision of 428 person month (23%), leaving a balance of 328.4 person month.

4. A second contract variation will be required to formalize and/or include the following changes in the agreed consultant services and inputs under the contract.

1.4 Targets for the next quarter

5. The targets for the next quarter can be summarized as follows:

- Reach an agreement on the way forward for the flood protection embankment and finalize the designs based on the agreed scope for the embankment.
- Finalize the bidding documents for the Pursat and kampong Chhnang landfill sites, with BOQ, technical specifications and bid documents to start the tender process
- Finalize the design of the Pursat drainage system and WWTP
- Complete EMPs for the landfill sites completion of the EMPs for the flood protection embankment and the Pursat drainage will depend on the progress with the detailed designs
- Continue the DMS/SES for the flood protection embankment by DDR with depend on the agreement on a way forward for design and construction of the embankment
- Complete the DMS/SES for the Kampong Chhnang and Pursat landfill sites
- Work on tariff structure, tariff setting and subsidy methodology will continue as well as the consultations and investigations of the most suitable modalities for SWM

2 PROJECT BACKGROUND

2.1 Background

6. The project was approved on 10 November 2015 and declared effective on 2 March 2016. The impact of the project will be increased economic activities and environmental protection in the two towns in the Tonle Sap Basin. The outcome will be improved urban services and enhanced climate change resilience in Kampong Chhnang and Pursat municipalities. The project has five outputs:

- (i) Kampong Chhnang Urban Area Environmental Improvements which will now comprise the improvement of flood protection for the low lying sectors in the Kampong Chhnang urban area through; (i) the rehabilitation and realignment of a 9.5 km flood protection embankment, and; (ii) the improvement of solid waste management through the proper closure of existing dumpsite and the construction of a new solid water landfill together with the provision of the required equipment, institutional strengthening and community awareness creation.
- (ii) Pursat Urban Area Environmental Improvements through; (i) the improvement of the combined storm water drainage/sewerage system in the town area on the west bank of the Pursat River; (ii) the construction of a WWTP, and the construction of a new solid waste landfill site.
- (iii) Community Mobilization and Environmental Improvements, to support the Kampong Chhnang, and Pursat urban area developments through community driven environmental improvements
- (iv) Strengthened Sector Coordination and Operations and
- (v) Strengthened Capacity for Project Implementation and operation and maintenance (O&M) of urban infrastructure in general and the created infrastructure in particular.

2.2 Project Basic Data

Project Title	Integrated Urban Environmental Management in the Tonle Sap Basin Project		
Project Acronym	IUEMTBP		
Project Financing	Asian Development Bank ADF Loan	SDR 26,4M (USD 37M equivalent)	3311-CAM (SF)
	ADB Strategic Climate Fund loan	USD 5M	8295-CAM (SCF)
	ADB Strategic Climate Fund grant	USD 5M	0454-CAM (SCF)
Borrower	Kingdom of Cambodia		
Project Approval	10 November 2015	Signing of Loan	22 December 2015
Date of Effectiveness	02 March 2016	Closing Date	30 April 2023
Project Completion Date	October 2022	Overall project implementation progress	14.2%
Elapsed Period	32.5%	Revised Loan Closing Date	N/A
Progress on Contract Award and Disbursement	Contract Award	12.3%	Disbursement 3.9%
Project Executive Agency	Ministry of Public Works and Transport (MPWT)		
Project Director	H.E. Vong Pisith, Deputy Director General MPWT		
Consultant ISPMC	KECC in JV with NIRAS and associated with KCC		
Team Leader	Mr. Louis Rijk,		
Dep .Team Leader	Mr. Srey Socheat		
ADB Task Manager	Mr Sameer A. Kamal		

2.3 Document

Document Title	Quarterly Progress Report No. 06
Reporting Period	01 April to 30 June 2017
Author(s) & project role	Louis Rijk Team Leader/Municipal Engineer PIMS,

2.4 ADB Review Missions

7. Altogether ADB has fielded 5 Missions; Loan Inception Mission, Review Mission, Follow up meeting, Implementation Review Mission. During this reporting period a portfolio review mission took place which also included a general review of the project. No Aide Memoire of this mission was received. Agreements during the mission were confirmed in an email dated 4 April 2018 . Details of the ADB Missions are given in the following table. 2-1

Table 2-1 : Details of ADB Missions

S. No.	Nature of Mission	Duration	Name and Designation of Participants from ADB	Total Nos. of Participants from ADB
2016				
1	Loan Inception Mission	7 to 14 December 2017	Sameer A. Kamal, Urban Development Specialist, SEUW/SERD (Mission Leader); Januar Hakim, Senior Portfolio Management Specialist, CARM; Genevieve O'Farrell, Environment Specialist, CARM; Melody F. Ovenden, Social Development (Resettlement) Specialist, SEUW/SERD; Tadeo R. Culla, Associate Social Development Officer, SEUW; Ludovina R. Balicanot, Associate Project Officer, SEUW and Sophy Ea, National Social Safeguards Specialist, Consultant.	7
2017				
1	Review Mission	15 to 27 March 2017	Sameer A. Kamal, Urban Development Specialist, SEUW/SERD (Mission Leader). Jan Hansen, Senior Country Economist, CARM (wrap-up meeting)	2
2	Follow up meeting	15 June 2017	Sameer A. Kamal, Urban Development Specialist, SEUW/SERD (Mission Leader).	1
3	Implementation Review Mission	August 25-29, 2017	Sameer A. Kamal, Urban Development Specialist / Mission Leader, Urban Development and Water Division (SEUW); Melody Ovenden, Social Development Specialist (Resettlement), Lao PDR Resident Mission (LRM); Genevieve O'Farrell, Environment Specialist (Safeguards), Cambodia Resident Mission (CARM); Chansouk Insouvanh, Social Safeguards Consultant, Lao PDR Resident Mission (LRM); and Sophy Ea, Social Safeguards Consultant, Urban Development and Water Division (SEUW). Januar Hakim, Senior Portfolio Management Specialist, CARM joined selected discussions. Linda Adams, Senior Social Development Specialist, SEUW and Ludovina Balicanot, Associate Project Officer, SEUW provided remote support	8
2018				
1	Portfolio Review Mission	4 April 2018	Vijay Padmanabhan Director Urban Development and Water Southeast Asia Department. Sameer A. Kamal, Urban Development Specialist.	Not available

2.4 Compliance with actions agreed during the Special Project Administration Mission

8. In the last formal Implementation Review Mission of ADB (25 to 29 August) and the EA have agreed to comply with the following key follow-up actions. The current status of the follow-up actions as agreed and included in the Missions' Aide-Memoire is given in the table below.

Table 2-2 : Follow-up Actions and the Status of their Compliance

#	Actions	Lead	Agreed Due Date	Status
A. Overall actions and net steps (Implementation Review Mission 25-29 August 2017)				
1	Submission of contract variation request for PIMS	PMU, PMIS	October 15, 2017	A limited contract variation proposal will be submitted during the next quarter. To create a budget provision for the preparation of the domestic IEIA
2	Commence detailed measurement survey (DMS)	GDR	October 1, 2017.	DMS/SES completed for 236 AHs in northern section of embankment and 51 AHs (stalls and shop) along the road to tourist port has been completed. Data not verified yet. DMS for remaining AHs along flood embankment not started yet. (see annex 7.)
3	Submission of Q3 quarterly report including appendices on (i) summary of loan covenants, (ii) summary safeguards updates, (iii) Gender Action Plan Progress, (iv) environmental monitoring report and (v) resettlement monitoring report	PMU with PMIS	30 October 2017	Was submitted with delay since it was necessary to include major issues that have come up in the preparation of detailed designs for the Kampong Chhnang Flood Embankment and the Pursat Drainage system
5	Social impact assessment and consultations commence	GDR	As soon as possible	Affected waste picker households have been identified, but meaningful consultations and SES has not been completed. Preparation of DRPs for landfills to be initiated
6	Operationalize the Grievance Redress Mechanism	GDR and PMU	As soon as possible	GDR has informed that the GRM mechanisms at Provincial level for Kampong Chhnang and Pursat are operational, but their responsibility is limited to issues related to resettlement and compensation
7	Submission of revised IEE/EMP for ADB review - Pursat landfill - Kampong Chhnang landfill - Pursat River Embankment Protection - Pursat drainage - Kampong Chhnang embankment	PMU with PMIS	October 15, 2017 October 22, 2017 December 15, 2017 January 15, 2018 February 14, 2018	Updating the IEE for the project and EPMS for the controlled landfills has been started The EMPs for the Kampong Chhnang flood embankment and the Pursat Drainage will be started after completion of the designs

B. Key Agreements and Next Steps (Portfolio Review Mission Meeting, 4 April 2018)				
1	Scope of Kampong Chhnang embankment to be reduced to southern portion of embankment not impacted by upcoming river festival and resettlement initiatives of the province; resulting savings to be re-allocated to Kampong Chhnang WWTP (FS being finalized under Tonle Sap 2 PPTA), drainage in one or both towns (to be identified under drainage master plan), or other priority urban investments.	PMU PIU with PMIS		In a high level meeting with the Provincial Government and the Ministry of Tourism it was agreed to shift the venue of the river festival away from the embankment area and that no relocation of AH would be done before approval of the RP. Based on this agreement the meeting has requested the ADB to reconsider the reduction in the scope of the embankment
2	Existing 3ha site for Pursat wastewater treatment to be maintained, as the 14ha site under discussion will require significant pumping against natural drainage and is thus not a suitable WWTP location	PMU PIU with PMIS		The available area of 2.8 ha. for the construction of a WWTP is not sufficient for a conventional lagoon system, but would allow the construction of an anaerobic treatment (settler, anaerobic baffled reactor, anaerobic filter, planted/root gravel filter). The permanent disposal of storm water and WWTP effluent is only possible through the existing but now defunct irrigation left bank canal of the Kbal Hong barrage
3	Original landfill site (Option 1) for Pursat will be maintained, will require expensive (\$1m) backfilling of up to 1.5 meters, bringing total cost to about \$2.2m. Original site preferred over the alternate site (Option 2)	PMU PIU with PMIS		The detailed design for the landfill has been completed based on this agreement, including the provision of backfilling of the areas for construction of landfill cells and office/ancillary facilities
4	Updated procurement plan submitted for ADB approval	PMU with PMIS	11 April 2018	The updated procurement plan is included in this report. The estimated cost for the Kampong Chhnang embankment and Pursat drainage system are still tentative and subject to significant changes
5	Contract variation for drainage master planning for both towns to be submitted	PMU with PMIS	13 April 2018	Contract variation proposal is to be finalized as the initial cost for the preparation of the masterplans would require an increase in the total cost of the consultant services. The proposals for the contract variation have to be refined to avoid an increase in the total contract cost
6	Pursat and Kampong Chhnang landfill sites to be combined as one package, and draft bidding documents submitted for ADB review	PMU with PMIS	13 April 2018	The construction of landfills for Kampong Chhnang and Pursat can be combined in one package and with a total cost of, which will allow for NCB.
7	Pursat drainage contracts to be combined (going ahead with the currently identified site) and draft bidding documents submitted for ADB review	PMU with PMIS	18 April 2018	The inconsistency in inverted pipe levels and consequently pipe slopes in the existing 22km drainage network is far more severe than originally estimated and the preparation of a design for functional and cost effective

				system improvement may require more time.
8	Initial note on Urban Service Unit road map shared by PMIS team for distribution and comments	PMU with PMIS	20 April 2018	Initial note on the road map for establishment of USUs has been prepared and shared with the stake holders
9	RP to be updated by GDR for the two landfill sites	PMU with PMIS	as early as possible	No forced resettlement will be required for the landfill sites and it is the initial assessment of GDR that only a DDR would be required
10	RP to be updated by GDR for Kampong Chhnang embankment southern part	PMU with PMIS	as early as possible	It has been requested to reconsider the reduction in scope of the embankment

3 FINANCING AND FUND UTILIZATION

3.1 Financing

9. The project was approved on 10 November 2015 and declared effective on 2 March 2016. Financing for the \$52.6 million project includes a SDR 26,4M (USD 37M equivalent) loan from ADB (Asian Development Fund) and \$10 million (\$5 million loan and \$5 million grant) from the Strategic Climate Fund

The following table 2-1 summarizes project financing by financier

Table 3-1: Financing by financier

Financing	
Modality and Sources	Amount (\$ million)
ADB	37
Sovereign Project loan: Asian Development Fund	37
Cofinancing	10
Strategic Climate Fund - PPCR	5
Strategic Climate Fund	5
Counterpart	5.6
Government	5.4
Others	0.2
Total	52.6

Table 2-2 presents the project investment plan for the 4 components of the project.

Table 3-2 : Project Investment Plan (\$ million)

Item	Amount
A. Base Cost a	
1.Output 1: Kampong Chhnang Urban Area Improvements	22.9
2.Output 2: Pursat Urban Area Improvements	11.2
3.Output 3: Community Mobilization and Environmental Improvements	4.3
4.Output 4: Strengthened Sector Coordination and Operations	0.4
5.Output 5: Strengthened Capacity for Project Implementation, O&M	5.5
Subtotal (A)	44.3
B. Contingencies	6.9
C. Financing Charges During Implementation	1.4
Total (A+B+C)	52.6

ADB = Asian Development Bank, SCF = Strategic Climate Fund

Includes taxes and duties of \$4.55 million to be financed by the government through exemptions, ADB and ADB SCF grant.

In September 2015 prices.

Physical contingencies computed at 10% for civil works, equipment and consulting services. Price contingencies computed at 1.8% to 2.2% on foreign exchange costs and 3.5% on local currency costs; includes provision for potential exchange rate fluctuations under the assumption of a purchasing power parity exchange rate.

Includes interest estimated at \$1.40 million during implementation for the ADB loan and \$0.02 million in service charge for the ADB Strategic Climate Fund loan, which will both be capitalized as part of the loans.

Source: Asian Development Bank estimates

3.2 Fund utilization

10. The following table 2.5 presents the consolidated status of loan and grant proceeds. The details of the fund utilization are presented in annex 2. The total amount of contracts awarded as a percentage of the total loan amount is 2.7%. The total disbursement as percentage of the total amount of contracts awarded is 26.5%.

Table 3-3: Consolidated Status of Loan and Grant Proceeds

As of 30 June 2018						
Loan/Grant No.	US Dollars					
	Allocation	Contracts Awarded	Un-contracted Loan Balance	Contracts Disbursed	Un-disbursed Loan Balance	Un-disbursed Contract Balance
	A	B	C = A - B	D	E = A - D	F = B - D
Loan 3311	37,101,241	4,593,235	32,508,005	1,516,544	35,584,697	3,076,691
Loan 8295	5,000,000	-	5,000,000	-	5,000,000	-
Grant 0454	5,000,000	1,205,674	3,794,326	318,482	4,681,518	887,192
Total	47,101,241	5,798,909	41,302,331	1,835,026	45,266,215	3,963,884

The overall status of physical and financial progress of the project can be summarized as follows

Elapsed Time	32.50%
Physical Progress	14.24%
CA - Lag	21.37%
Disb. - Lag	29.57%
Project - Lag	18.26%

Details of fund utilization and the Contract Award and Disbursement Projections are presented in Annex 3 and 4.

Table 3-4: Consolidated Loan Utilization

		As of 30 June 2018					
Cat. Ref.	Category Name	US Dollars					
		Allocation	Contracts Awarded	Uncontracted Loan Balance	Contracts Disbursed	Undisbursed Loan Balance	Undisbursed Contract Balance
		A	B	C = A - B	D	E = A - D	F = B - D
01A	CW - KC Flood Treatment	19,188,127	-	19,188,127	-	19,188,127	-
01B	CW - KC Solid Waste Mgt.	433,775	-	433,775	-	433,775	-
01C	CW - PS Drainage	604,186	-	604,186	-	604,186	-
01D	CW - PS Flood Protection	4,894,051	-	4,894,051	-	4,894,051	-
01E	CW - PS Solid Waste Mgt.	1,028,103	-	1,028,103	-	1,028,103	-
01F	CW - KC Small-scale Inf. Dev.	739,389	-	739,389	-	739,389	-
01G	CW - PS Small-scale Inf. Dev.	739,389	-	739,389	-	739,389	-
01A	CW - PS Drainage	2,460,000	-	2,460,000	-	2,460,000	-
01B	CW - KC Sanitation Improvement	510,000	-	510,000	-	510,000	-
01C	CW - PS Sanitation Improvement	510,000	-	510,000	-	510,000	-
02A	GD - KC Solid Waste Mgt.	736,572	-	736,572	-	736,572	-
02B	GD - PS Solid Waste Mgt	821,074	-	821,074	-	821,074	-
02C	GD - KC Embank. Manual Equipment	36,617	-	36,617	-	36,617	-
02D	GD - PS Flood Manual Equipment	36,617	-	36,617	-	36,617	-
02E	GD - PS Drainage Manual Equipment	36,617	-	36,617	-	36,617	-
03A	WS - Project Mgt & Implement Supp.	580,311	534,000	46,311	82,035	498,277	451,965
03B	WS - SSCD	9,859	-	9,859	-	9,859	-
02A	WS - NGO SCEI	200,000	-	200,000	-	200,000	-
02B	WS - CCAUD	10,000	10,000	-	-	10,000	10,000
04A	CS - PMIS	3,404,952	3,597,913	(192,961)	637,390	2,767,563	2,960,523
04B	CS - SSCD	97,177	-	97,177	-	97,177	-
04C	Survey and Investigation	61,755	135,000	(73,245)	115,350	(53,595)	19,650
03A	CS - CCAUD	200,000	200,000	-	-	200,000	200,000
03B	CS - NGO SCEI	810,000	829,878	(19,878)	124,482	685,518	705,396
03C	CS - Survey and Investigation	100,000	165,796	(65,796)	-	100,000	165,796
	Salary Supplement	-	-	-	-	-	-
05A	IA - Office and Travel Expense	398,555	140,369	258,186	55,780	342,776	84,590
05B	IA - Vehicles	145,286	134,500	10,786	134,500	10,786	-
05C	IA - Equipment	13,413	51,453	(38,040)	41,018	(27,605)	10,435
	Interest During Implementation	1,401,437	-	1,401,437	14,472	1,386,965	(14,472)
	Service During Implementation	18,000	-	18,000	-	18,000	-
	Unallocatd	6,881,260	-	6,881,260	-	6,881,260	-
99	Imprest Account	(5,282)	-	(5,282)	630,000	(635,282)	(630,000)
				-		-	-
	Total	47,101,241	5,798,909	41,302,331	1,835,026	45,266,215	3,963,884

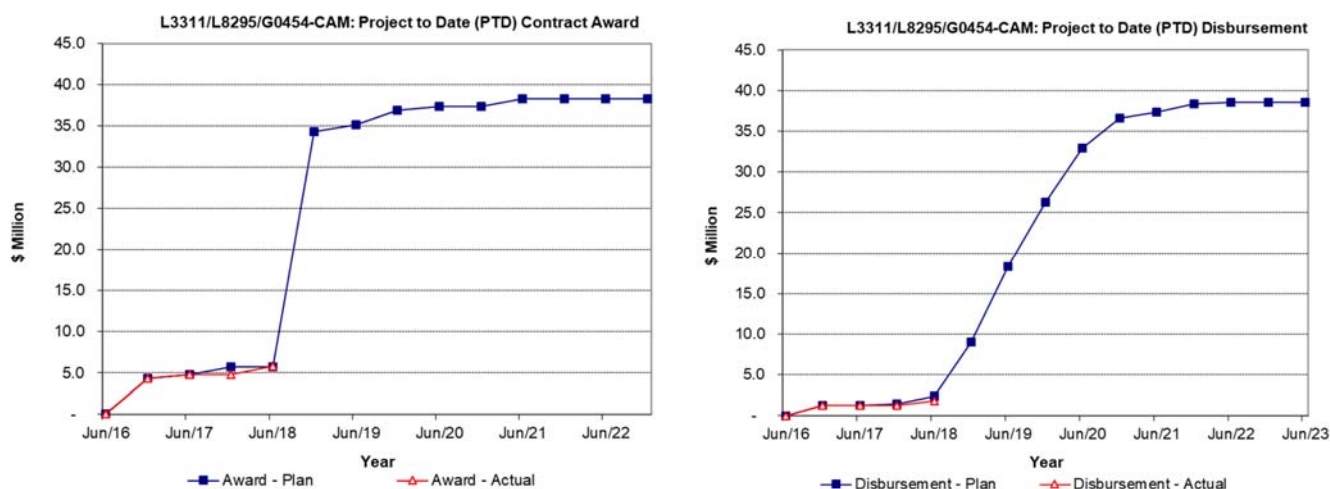
Table 3-5: Grant Utilization

As of 30 June 2018							
Cat. Ref.	Category Name	US Dollars					
		Allocation	Contracts Awarded	Uncontracted Loan Balance	Contracts Disbursed	Undisbursed Loan Balance	Undisbursed Contract Balance
		A	B	C = A - B	D	E = A - D	F = B - D
01A	CW - PS Drainage	2,460,000	-	2,460,000	-	2,460,000	-
01B	CW - KC Sanitation Improvement	510,000	-	510,000	-	510,000	-
01C	CW - PS Sanitation Improvement	510,000	-	510,000	-	510,000	-
02A	WS - NGO SCEI	200,000	-	200,000	-	200,000	-
02B	WS - CCAUD	10,000	10,000	-	-	10,000	10,000
03A	CS - CCAUD	200,000	200,000	-	-	200,000	200,000
03B	CS - NGO SCEI	810,000	829,878	(19,878)	124,482	685,518	705,396
03C	CS - Survey and Investigation	100,000	165,796	(65,796)	-	100,000	165,796
04	Unallocated	200,000	-	200,000	-	200,000	-
	Imprest Account	-	-	-	194,000	(194,000)	(194,000)
	Total	5,000,000	1,205,674	3,794,326	318,482	4,681,518	887,192

3.3 S curves for contract awards and disbursements

Based on the revised contract awards and disbursement schedule based on the updated work plan, the resulting s curves are presented in the following figures

Figure 3-1: L3311/L8295/G0454-CAM: Project to Date (PTD) Contract Award and (PTD) Disbursement based on revised contract award and disbursement plans



3.4 Procurement Plan

11. The following table presents the procurement plan as updated 30 June 2018. The table reflects the planning as presented in the revised implementation schedule presented in chapter 4 and Annex 1. The figures in red colour represent historic data of completed procurement

Table 3-6: Procurement Plan

#	Contract Packages	Proc. Method	Advert. Date	Award Date*
Civil Works				
G07	Supply of KC and Pursat Solid Waste Management Equipment batch 1	NCB	Q4 2019	Q1 2020
G08	Supply of Pursat Solid Waste Management Equipment Batch 2	NCB	Q3 2021	Q4 2021
CW04	Construction of KC Embankment	ICB	Q3 2018	Q4 2018
CW05	Construction of Pursat Drainage and WWTP	ICB	Q3 2018	Q4 2018
CW06	Construction of Pursat Landfill Site	NCB	Q4 2017	Q2 2018
CW07	Construction of Pursat River Embankment Protection	Cancelled		
CW08	Construction of KC Landfill Site	NCB	Q3 2018	Q4 2018
CW09	KC and Pursat Community-driven Env. Improvements	NCB		
<i>Consulting Services</i>				
CS01	Project Management and Implementation Support	QCBS	Q4 2015	Q4 2016
CS02	Climate Change Adaptation in Urban Development	CQS		Q3 2017
CS03	Strengthening Sector Development	CQS	Merged with PMIS	
CS04	NGO Support for Output 3 (CMEI)	QBS	Q3 2017	Q1 2018
Goods and Works Under \$100K				
G01	Supply of 5 units 4WD double cabin pick-up trucks	NCB	Q1 2017	Q2 2017
G02	Supply of 8 motorcycles	Shopping		Q2 2017
G03	Office furniture for PMU and PIUs (KC and Pursat)	Shopping		Q3 2017
G04	Office equipment for PMU and PIUs (KC and Pursat)	Shopping		Q3 2017
G05	Equipment for Pursat Drainage and Flood Protection	Shopping		Q1 2019
G06	Manual Equipment for KC Embankment	Shopping		Q1 2019
CW01	Office Repairs (PMU)	Shopping		Q2 2017
CW02	Office Repairs (PIU KC)	Shopping		Q2 2017
CW03	Office Repairs (PIU Pursat)	Shopping		Q2 2017

4 IMPLEMENTATION PROGRESS

4.1 Status of Project Implementation and Revised Project Implementation Schedule

12. The overall progress of project implementation is estimated to be 14.2% against and elapsed time from the date of project effectiveness of 25.9 %. As per the revised implementation schedule (see annex 1) the actual progress is now about 5 weeks behind the planned progress at the end of this reporting period (31-03-2018).

13. The summary of the revised implementation schedule is given in figure 4.1 and the detailed implementation schedule is presented in Annex 1.

Figure 4-1: Revised Implementation Schedule

PROJECT IMPLEMENTATION PROGRESS -- Loan and/or Grant Number(s): L3311 / L8295 / G0454 - CAM																											
No.	Activities	2017				2018				2019				2020				2021				2022				Prog (%)	Total
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
1	Project Readiness/Preparation																							2.5			
	- Loan Effectiveness																							100			
	- Recruitment of PMIS Consultants																							100			
	- Recruitment of PMU Staff																							100			
	- Recruitment of PIU Staff																							100			
2	Output 1: Kampong Chhnang Urban Environmental Improvements																							1.5			
	a. Flood Protection Embankment																							1.4			
	- Preparation/Approval Design, EMP, IEIA, RP																							90			
	- Bidding Process/Contract Award																							-			
	- Construction Embankment/Ancillary Works																							-			
	- Liability Period																							-			
	- O&M support																							-			
	b. Improved Solid Waste Management																							0.2			
	b1. Construction Sanitary Landfill																							0.2			
	- Preparation/Approval Design, EMP, IEIA, RP																							95			
	- Bidding Process/Contract Award																							30			
	- Construction Landfill & Ancillary Works																							-			
	- Liability period																							-			
	- O&M support for SWM																							-			
	b2. Remediation/Closure existing dump sites																							-			
	b3. SWM Equipment Procurement																							-			
	- Procurement 1st Batch Equipment																							-			
	- Procurement 2nd Batch Equipment																							-			
3	Output 2: Pursat Urban Environmental Improvements																							2.2			
	a. Improvement Solid Waste Management																							0.6			
	a1. Construction Sanitary Landfill facility																							0.6			
	- Preparation/Approval Design, EMP, IEIA, RP																							95			
	- Bidding Process/Contract Award																							30			
	- Construction Landfill/Ancillary Works																							-			
	- Liability Period																							-			
	a2. Remediation/Closure existing dump sites (Cancelled)																							-			
	- O&M support for SWM																							-			
	a3. SWM Equipment Procurement																							-			
	- Procurement 1st Batch Equipment																							-			
	- Procurement 2nd Batch Equipment																							-			
	b. Improvement Drainage in Pursat Town and Waste Water Treatment																							-			
	- Preparation/Approval Design, EMP, IEIA, RP																							80			
	- Bidding Process/Contract Award																							-			
	- Construction Drainage & Ancillary Works																							-			
	- Liability Period																							-			
	-O&M Support																							-			
4	Output 3: Community Mobilization and Environmental Improvements (CMEI)																							0.5			
	- Recruit International NGO																							100			
	- Train village development committee units for project briefing and output training																							10			
	- Community awareness programs																							10			
	- Needs assessments for small-scale infrastructure works on CCA, sanitation																							5			
	- Planning, implementing, and supervising community improvements																							-			
	- Prepare report on community environmental improvements and lessons																							-			
	- Internal and external monitoring of safeguard documents																							-			
5	Output 4: Strengthened sector coordination and operations																							1.7			
	- Recruit and mobilize climate change resilience consultants																							100			
	- Prepare, approve, establish, and strengthen USU institutions																							10			
	- Review climate change and urban development documents, and sanitation standards in building codes																							80			
	- Implement TSUADF, revising building codes, developing the plan for CCA																							80			
	- Plan for climate change adaptation in urban areas is endorsed																							-			
6	Output 5: Strengthened Capacity for Project Implementation, and Operations and Maintenance																							5.9			
	- Overall project management and implementation support																							26			
	- NGO Support																							10			
	- Procurement transportation, equipment, Office Repairs PMU & PIUs																							100			
	- Recruit external resettlement monitor																							-			
	- Develop PPMS and capacity development plan																							-			
	Total																							14.2			

4.2 Kampong Chhnang Urban Environmental Improvements

4.2.1 Flood Protection Embankment

Preparation of Detailed Design, BOQ and Cost Estimate (DED)	The detailed design for the flood protection embankment is substantially completed. Minor revisions are required of the back fill area from chainage to and the section along the Tonle Sap river from chainage 5+600 to 7+200 and chainage 7+700 to 9+520 to add design details for pavement, pedestrian areas, loading/unloading facilities, lighting and design chainages to improve embankment stability (foundation improvement, drainage and change in toe protection)
Preparation of IEE & EMP	Updating of IEE and EMP will be started during the next quarter based on the detailed designs
Preparation of Domestic IEIA by a local consulting firm accredited with the MoE	Not yet started, a contract revision is required to provide a budget allocation for these studies
Preparation and Implementation of a Resettlement Plan	The field survey work for the preparation of the DMS/SES has reportedly been completed for 51 AH in the village of Phsar Chhnang and in the Chong Koh Village of for 47 self-relocated AH, 46 AH relocated to the resettlement area and 143 AH to be relocated. The GDR survey team discontinued work before the Khmer new year and has not yet been remobilized. Details of pending works are given in annex 7
Bidding Process and Contract Award	The be started after finalizing the detailed design
Construction Embankment & Ancillary Works	To be started
Liability Period	Not yet due
O&M support	

4.2.2 Improved Solid Waste management

Construction Sanitary Landfill

Preparation/Approval Design, EMP, IEIA, RP	Detailed designs, BOQ, cost estimate and technical specifications have been completed
Bidding Process/Contract Award	Bidding documents will be finalized during the next quarter and the bidding process will be initiated
Construction Landfill & Ancillary Works	To be started
Liability period	Not yet due
O&M support for SWM	Not yet due
Remediation and Closure of existing dump sites	Existing dumpsites are located on private land and are the responsibility of the SWM contractors. There are legal obstacles to use public funds for improvements on private properties. Suitable closure of private dumpsites should have been a contractual responsibility of the SWM contractors

Procurement of Equipment for SWM (collection and operation of the landfill)

Procurement 1st Batch Equipment	Delivery of the 1 st batch of SWM equipment is scheduled to coincide with the completion of construction of the controlled landfill. Discussions are ongoing with the local authorities on type and number of equipment
Procurement 2nd Batch Equipment	Procurement of the 2 nd batch of equipment is scheduled 1 year after commissioning of the landfill facility and composition of the 2 nd batch of equipment will depend on experiences obtained from the use of the 1 st batch

4.3 Pursat Urban Environmental Improvements

4.3.1 Improvement Drainage in Pursat Town and Waste Water Treatment

Preparation of Detailed Design, BOQ and Cost Estimate (DED) for	Design for the improvement of the drainage system has been hampered by the difficulty to collect sufficient and accurate data on the existing pipe network. Of the 797 manholes it was only possible to open 105
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improvement of the combined storm water drainage and sewerage system

manholes/junction boxes to get information on inverted pipe levels, pipe diameter, and accumulation of sediment and waste in the pipes. The collected data shows that the problem of inaccurate levels is far more severe than originally estimated and that the accumulation of sediment and waste in the pipe system is very critical. The inconsistent pipe levels with often negative slopes severely limit gravity flow in the present pipe network. The network on flows with the driving head of storm water runoff accumulation. This means that during the dry season there is virtually no outflow a sewage and the sewage is backup in the pipe network up to volumes between 7 to 10.000 m³. During the first rains the driving head of storm water inflow in the pipe network flushes out the backed-up sewage in the system creating a large pool of raw sewage at the outfall point of the system.

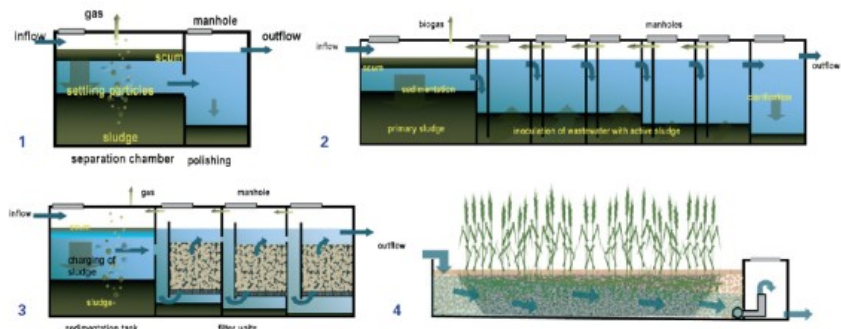
The object of the system improvement is to improve the gravity flow in the network to ensure that both the sewage and storm water runoff can reach the outfall point by gravity and at the same time to minimize the back-up of sewage in the existing system during the dry season. To meet these design objectives within the available budget has proven to be very complex and the design solution developed so far did not meet these criteria. It is expected that a design that meet the above stated criteria can be developed during the next quarter, however it is expected that the total cost for the drainage network improvement and the WWTP will increase from the allocated budget of USD 7.5M to about USD 12M



Pool of raw sewage between two existing outfall point of the drainage system in the defunct irrigation canal which formed at the start of the rainy season as backed up sewage is flushed out from the drainage network

Preparation of Detailed Design, BOQ and Cost Estimate (DED) for the Waste Water Treatment Plant

In a meeting with the ADB mission on 4 April it was agreed to maintain the present site near the Pursat town area for the construction of a WWTP. The site of 2.8 ha. Is too small for the construction of a conventional lagoon system but would be sufficient for an anaerobic treatment plant. Anaerobic digestion is a collection of processes by which microorganisms break down biodegradable material in the absence of oxygen. The proposed plant would consist of a settler to remove solids and garbage that may clog the filter, an anaerobic baffled reactor (ABR) which basically is an improved septic tank with a series of baffles under which the wastewater is forced to flow followed by an anaerobic filter with a fixed-bed biological reactor with one or more filtration chambers in series and a planted reed bed, vertical flow filter. The detailed design of the treatment plant will be started during the next quarter



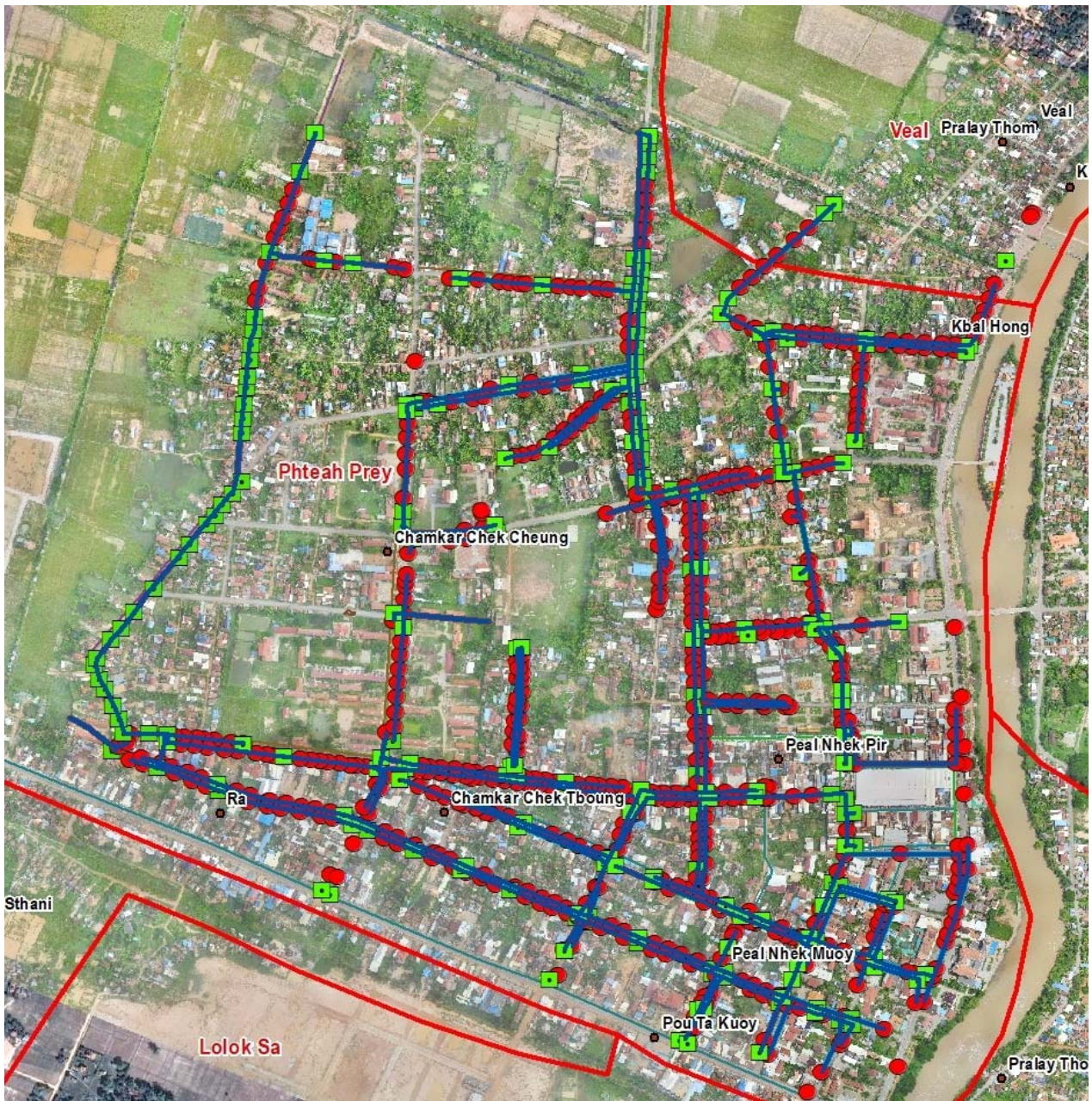
Anaerobic WWTP with settler, anaerobic baffled reactor, anaerobic filter and reed bed filter

Preparation of IEE & EMP
 Preparation of Domestic IEIA by a local consulting firm accredited with the MoE
 Preparation and Implementation of a Resettlement Plan
 Bidding Process and Contract Award
 Liability Period
 O&M support

To be started after completion of the detailed design,
 Not yet started, a contract revision is required to provide a budget allocation for these studies
 To be started after completion of the detailed design. Based on the preliminary layout of the proposed improvements no forces relocation of HH will be required. GDR will have to undertake a screening of the subproject design to assess if a DDR will meet the safeguard requirements
 Expected to be initiated in the 4th quarter of 2018
 Not yet due
 It is proposed to procure jetvac equipment for the future maintenance of the drainage network. This equipment could be included in the contract package for the procurement of the 1st batch of SWM equipment.



Proposed Jet-Vac combo truck. The combination jet/vac process consists of a hose and nozzle that is propelled forward in the sanitary sewer line by high water pressure. Debris, slurries, sludges that is loosened by the water pressure is forced to the manhole from where it is hydraulically sucked out by a vacuum pump



Layout of the existing drainage network and location of the manholes/junction boxes (red) in the system. Out of the total of 797 only 105 manholes/junction boxes (green) could be opened to check inverted pipe levels

4.3.2 Improved Solid Waste management

Construction Sanitary Landfill

Preparation/Approval Design, EMP, IEIA, RP	Detailed designs, BOQ, cost estimate and technical specifications have been completed
Bidding Process/Contract Award	Bidding documents will be finalized during the next quarter and the bidding process will be initiated
Construction Landfill & Ancillary Works	To be started
Liability period	Not yet due
O&M support for SWM	Not yet due
Remediation and Closure of existing dump sites	Existing dumpsites are located on private land and are the responsibility of the SWM contractors. There are legal obstacles to use public funds for improvements on private properties. Suitable closure of private dumpsites should have been a contractual responsibility of the SWM contractors

Procurement of Equipment for SWM (collection and operation of the landfill)

Procurement 1st Batch Equipment	Delivery of the 1 st batch of SWM equipment is scheduled to coincide with the completion of construction of the controlled landfill. Discussions are ongoing with the local authorities on type and number of equipment
Procurement 2nd Batch Equipment	Procurement of the 2nd batch of equipment is scheduled 1 year after commissioning of the landfill facility and composition of the 2nd batch of equipment will depend on experiences obtained from the use of the 1st batch

4.3.3 River Bank Protection for the Pursat River

41. Local authorities have informed that the proposed improvement of the Pursat river bank will now be undertaken with funding from the European Commission.

4.4 Institutional Development

Review and determine human resource requirements and training needs.	A training needs assessment has been completed
Preparation of a detailed capacity development plan for the project, catering to the needs of the PMU, PIUs, and future USUs	An initial capacity development plan has been prepared. The plan was presented. The training needs assessment and the initial capacity development plan were presented to PMU and PIU representatives in a workshop held on 29 May 2018.
Implementation of the capacity development plan Preparation of a road map for the establishment of USUs	To be started after receiving feedback and comments on the initial capacity development plan An initial note on the preparation of a road map for the establishment of the USUs has been prepared. Further support on the establishment of the USUs by the PMIS can only be provided after the approval of a contract variation which will allow for the transfer of resources included in the Package 3 contract for Institutional Development to the contract for the PMIS consultant services
Preparation of a 3-year rolling corporate plan for the USUs	To be started
Support the establishment of USUs and the implementation of the corporate plan	To be started

4.5 Tariff Structure Tariff Setting and Subsidy Methodology

Review of current institutional arrangements for the provision of solid waste management, flood protection, drainage and sanitation services and review contracts currently ongoing for the different operating entities in operation of urban services	An examination has been made of the Solid Waste Collection and Transportation Contracts for Kampong Chhnang and Pursat <i>Kampong Chhnang</i> The DOE has recently issued Sub-Decree No. 113 authorizing the Municipality to enter into a contract for the provision of future solid waste collection services. Contractual negotiations for 2018 are proceeding at present. Details of the Licence Agreement for 2017 and proposed new agreement for 2018 is to be provided by the Municipality. <i>Pursat.</i> On 1 January 2008 the Sampeou Meas District, Pursat Province, signed a Contract with a Solid Waste Contractor to operate the service from 1 January 2008 until 31 December 2022. However, the second Contractor has gone bankrupt and the existing service is now being carried out informally on a week to week basis by the Contractor who has an existing agreement to collect waste from the market.
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Review of the financial performance of service delivery and capacity of implementing agencies regarding cost recovery, borrowing capacity, collection of fees and taxes, accounts receivable, and subsidies. Collection of information of the budgeting processes and financial performance has been started

Development of a tariff structure, tariff setting and subsidy methodology designed to achieve financial sustainability of the related urban services. Solid Waste Tariff Models are continuing to be developed for Pursat and Kampong Chhnang as statistical and financial information becomes available and the operational structure is developed. The projections in the Models cover the period 2019-2030 and provides for the following:

- Expenditure costings and income projections in Riel and US Dollar;
- Construction, operation and management of Landfills;
- Purchase of plant and equipment for landfill operation and solid waste collection services;
- Projected population increases and household numbers;
- Customer numbers in various categories (information still being provided)
- Staffing requirements - operational and management;
- Street sweeping expenses;
- Revenue collection efficiency;
- Waste collection efficiency
- Depreciation of assets
- Projected solid waste tariffs for the various categories (to be calculated when categories numbers are finalized);
- Estimated Profit and Loss Account.

Undertake a willingness to pay survey for solid waste collection and management and drainage services component of the targeted population. To be started

Development of a set of performance indicators and a monitoring mechanism To be started

4.6 Public Private Partnership Development

review the existing private sector contracts in solid waste management, Detailed review of the existing contracts for SWM in Pursat and Kampong Chhnang have been reviewed and results have been presented in QPR 5.

Development of a strategy for including existing private sector into SWM Review of the available documentation was continued and several organizations were met, including the MOE, CSARO, GAEA Companies. During to Pursat and Kampong Chhnang in May 2018 discussions with PIUs, municipal governments, DOE, solid waste collectors were held. In addition, connections were established with project implementation consultants for GMS CDTP-1 and PPTA teams for GMS CDTP-4 and GMS Capacity Development for Boarder Economic Zones in Boarder Areas (TA-8989-REG), in an attempt to get to a more coordinated and uniform approach for SWM in ADB funded urban development projects.

Advise the PIUs/USUs and provincial authorities on the most viable modalities for SWM. Various modalities for PPP in SWM are being analyzed based on the discussions with the local authorities

Assist the relevant authorities with the implementation of the selected modality for SWM including providing advice on procurement and O&M of SWM equipment. To be started after agreement on the preferred modality for SWM

Identification of Performance Milestones to be implemented. To be started

Table 4-1: Status of planned activities with milestones as presented in the PAM

As Planned in the PBME	Present status
1. Kampong Chhnang urban area environmental improvements	
a) Conduct topographical and soil surveys (Q1, 2017)	Topographical surveys and geotechnical investigations completed for the new landfill site. and the flood protection embankment have been completed.
b) Update feasibility study and appraisal report for ADB and government approval (Q1–Q3, 2017).	Since the proposed river festival in march 2018 may result in possible safeguard noncompliance ADB has proposed to reduce the scope of the embankment to the southern section. The Government has decided to move the venue of the festival away from the embankment alignment to avoid forced resettlement before approval of the RP had has requested ADB to reconsider the reduction in scope The design for the landfill has been completed and reviewed by the international SWM specialist .
c) Issue bids, evaluate bids, and submit to ADB for no objection (Q4, 2017–Q3, 2018).	Bidding documents are being prepared and will be submitted for ADB approval during the next quarter
d) Transfer O&M and tariff collection for SWM to USU (Q4, 2017–Q2, 2018)	Pending, USUs have not yet been established
e) Award landfill civil works contract, procure landfill equipment and construct landfill (Q2, 2018–Q3, 2019)	Contract award expected by Q4 2018. It is proposed to procure the equipment in two batches, 1 st batch before completion of the landfill site and 2 nd batch after one year of operation. Type and number of equipment will depend on operation modalities (force account of contract)
f) Transfer O&M responsibilities for drainage and flood control systems to USU (Q3, 2018)	USUs to be established, it looks like the PA will remain responsible for SWM for the time being
g) Remediate old open dumpsites and construct controlled landfill (Q4, 2018–Q2, 2019)	No likely because of legal obstacles
h) Award civil works contract and construct embankment (Q2, 2018–Q4, 2019)	Final decision of the scope of the embankment is pending. Contract will be awarded before 2019
i) Dry season 1, Construct embankment segments A to C (Q1–Q3, 2019)	Construction scheduling will depend on the scope of the embankment and the final design
j) Procure solid waste collection equipment (Q4, 2019)	Procurement of the first batch of SWM equipment will be scheduled to have delivery of equipment coincide with the commissioning of the landfill construction works
k) Hand over works of landfill site and defects liability period (Q4, 2019–Q4, 2020)	On track
l) Dry season 2, Construct embankment segments D to I (Q1–Q3, 2019 and Q1–Q3, 2020)	Construction scheduling will depend on the scope of the embankment and the final design
m) Construct embankment segments I to M during higher lake levels (Q1, 2019–Q4, 2020)	Construction scheduling will depend on the scope of the embankment and the final design
n) Road surfacing and supervision intermittent (Q1–Q2, 2020 and Q1–Q2, 2021)	Construction scheduling will depend on the scope of the embankment and the final design
o) Handover embankment works and defects liability period (Q3,2021–Q3, 2022)	It is still possible to meet this target
p) Internal and external monitoring of safeguard documents (2017–2022, quarterly)	According to the schedule for construction works and post contraction O&M. Monitoring results will be presented in the QPRs.

As Planned in the PBME	Present status
2. Pursat urban area environmental improvements	
<p>a) Conduct topographical and soil surveys (Q1, 2017)</p> <p>b) Update feasibility study and appraisal report for ADB and government approval (Q1–Q3, 2017)</p> <p>c) Transfer O&M and tariff collection for SWM to USU (Q4, 2017–Q2, 2018)</p> <p>d) Issue bids, evaluate bids, and submit to ADB for no objection (Q4, 2017–Q2, 2018)</p> <p>e) Award contract for drainage and embankment works (Q3, 2018)</p> <p>f) Procure landfill equipment (Q2–Q3, 2018)</p> <p>g) Award contract for landfill construction (Q4, 2018)</p> <p>h) Remediate old open dumpsites and construct controlled landfill (Q4, 2018–Q3, 2019)</p> <p>i) Construction of riverbank protection (Q3, 2018–Q2, 2019)</p> <p>j) Transfer O&M responsibilities for drainage and flood control systems to USU (Q3, 2018)</p> <p>k) Procure solid waste collection equipment (Q4, 2019)</p> <p>l) Hand over works for landfill and defects liability period (Q4, 2019–Q4, 2020)</p> <p>m) Construct drainage system starting at foot of system, construct pumping stations and WWTP with road rehabilitation as required (Q4, 2018–Q2, 2020) Update feasibility study b and appraisal report for ADB and government approval (Q1–Q3, 2017)</p> <p>n) Supervise start-up and commissioning of WWTP (Q3–Q4, 2020)</p> <p>o) Handover of drainage and embankment works and defects liability period (Q3, 2019–Q1, 2022)</p> <p>p) Internal and external monitoring of safeguard documents (2017–2022, quarterly)</p> <p>q) Internal and external monitoring of safeguard documents (2017–2022, quarterly)</p>	<p>Topographical Surveys and geotechnical investigations have been completed</p> <p>Detailed designs will be completed during the next quarter. To effectively merge the 24 km existing pipelines with new trunk lines has proven to be very complicated</p> <p>On track</p> <p>Formation of USU was to be provided under a separate consultant package. Under this package no consultants could be engaged and a proposal to merge the TOR of this package with the PMIS TOR is under consideration</p> <p>Contract award expected in Q4 2018</p> <p>It is proposed to procure the equipment in two batches, 1st batch before completion of the landfill site and 2nd batch after one year of operation. Type and number of equipment will depend on operation modalities (force account of contract)</p> <p>Expected in December 2018</p> <p>Closure of existing landfill sites can only be done if ownership of these sites is transferred to the government</p> <p>Cancelled, as this will be done under EU financing</p> <p>Slippage likely as USUs have not yet be established</p> <p>See above at landfill equipment</p> <p>On track</p> <p>On track</p> <p>On track</p> <p>Improvement river embankment has been cancelled</p> <p>On track</p>
3. Community mobilization and environmental improvements	
<p>a) Recruit International NGO (Q2–Q4, 2016)</p> <p>b) Train village development committee units for project briefing and output training (Q2–Q3, 2017)</p> <p>c) Climate change adaptation and sanitation needs assessments (Q1–Q2, 2017)</p> <p>d) Undertake community awareness programs (Q3, 2017–Q3, 2018 and intermittent)</p> <p>e) Needs assessments for small-scale infrastructure works on climate change adaptation and sanitation (Q1–Q3, 2017)</p>	<p>NGO has mobilized, Inception report will be presented during the next quarter</p> <p>NGO has carried out a detailed survey of sanitation needs for IDPoor 1 and IDPoor 2 households. ID poor 3 household (with title to the property) seem not to be eligible for sanitation improvements</p> <p>Ongoing as part of the surveys and sanitation needs assessment.</p> <p>Needs assessment and small scale infrastructure will focus on improvement of sanitation at HH level.</p>

As Planned in the PBME	Present status
f) Assist in planning, implementing, and supervising community environmental improvements (Q3, 2017–Q4, 2021) g) Prepare report on community environmental improvements and lessons (Q4, 2021) h) Internal and external monitoring of safeguard documents (2017–2022, quarterly)	See above Not yet due NGO will contribute to the safeguard monitoring, coordination between the NGO and the PIMS for safeguard monitoring will have to be developed.
4. Strengthened sector coordination and operations	
a) Recruit and mobilize climate change resilience consultants (Q3–Q4, 2016) b) Recruit and mobilize institutional development consultants (Q1–Q2, 2016) c) Prepare, approve, establish, and strengthen USU institutions (Q2, 2016–Q3, 2022) d) Review climate change and urban development documents, and sanitation standards in building codes (Q1, 2017) e) Implement TSUADF, including revising building codes and developing the plan for climate change adaptation in urban areas (Q2, 2017–Q1, 2019) f) Plan for climate change adaptation in urban areas is endorsed, including revised building codes in Tonle Sap provinces (Q4, 2018–Q1, 2019) g) National task force for urban development meetings (Q1, 2017–Q1, 2022)	Final report on climate resilience has been submitted Tasks and resources under this contract will be transferred to the PMIS Initial note on road map for establishment of USUs prepared by the PIMS Final report submitted No information No information No information
5. Strengthened capacity for project implementation, and O&M	
a) Appoint and update PMU and PIU members, including grievance focal points (Q1, 2016 and Q4, 2016) b) Recruit and mobilize project management and implementation support consultants (Q4, 2015–Q4, 2016) c) Recruit external resettlement monitor (Q3–Q4, 2016) d) Develop project performance management system and capacity development plan (sex-disaggregated) (Q2, 2017) e) Undertake training programs in project and financial management, procurement, safeguards, gender mainstreaming, and others (Q1, 2017–Q1, 2022) f) Submit quarterly project progress reports (1 month after each quarter, starting in Q1, 2017) g) Prepare annual PPME reports (31 January, 1 month after close of calendar year) h) Submit Government completion and post-evaluation reports on resettlement activities (Q2, 2019 and Q1, 2020) i) Submit government project completion report and resettlement report (Q3, 2022)	Ongoing Completed Not done Initial capacity building plan has been prepared and presented to the PMU and PIUs. Performance management system to be prepared To be initiated Ongoing Included in this quarterly report as only preparatory activities are ongoing, has been agreed to merge PPR and DFM data sheets for the PPME No yet Due Not yet due

5 PROJECT MANAGEMENT ARRANGEMENTS

14. MPWT is the executing agency (EA). The implementing agencies (IAs) are the Provincial Department of Public Works and Transport (PDPWT) and Municipal Governments in Kampong Chhnang and Pursat. A Project Steering Committee (PSC) has been established by MPWT although there is no report available on any meeting of the PSC. The PSC is responsible for: (i) overseeing implementation in conformity with the Project's development objectives and scope; (ii) assisting in coordination among government agencies involved in Project implementation and policy reforms (in consultation with the PCU in Phnom Penh); (iii) ensuring coordinated and efficient implementation of Project activities; (iv) monitoring the progress of achieving all outputs, in particular, measuring the development impact and outcome envisaged under the Project; and (v) provide guidance and direction towards the accomplishment of the Project's impact and outputs. The PSC is chaired by MPWT and members include representatives from Ministry of Economy and Finance (MEF), Tonle Sap Authority (TSA), MPWT, and Ministry of Land Management Urban Planning and Construction (MLMUPC).

15. A Provincial Coordinating Committee (PCC) has been established in each town to oversee the work of the PIUs. The PCC includes Provincial Governor (chair), deputy governors or municipality governors (deputy chair), select members of the provincial technical coordinating committee, and PMU project director (members), PIU manager (secretariat). There is one woman in each committee. The PCC has met in several opportunities

16. A project management unit (PMU) has been established with full time staff from MPWT. The PMU includes a Project Director, Project Manager, two Supervisory Engineers, Social and Resettlement Officer, Environment Officer, Office Manager, Procurement Officer, Accounting Officer, Assistant Accountant and Secretary/Office Assistant. It is aimed that at least 30% of the PMU staff are women. This target has not yet been achieved.

17. The project management and implementation support (PMIS) consultants is based in Phnom Penh and works directly with the PMU. The consultant team leader and PMU Procurement Officer are verifying all procurement and consulting service documents.

18. The PMU is responsible for coordinating detailed preparation and implementation of project activities. More specifically it is (i) promoting the Project to the targeted beneficiaries; (ii) assisting in subproject development and implementation; (iii) evaluating the technical, financial and economic, social, and environmental viability of proposed subprojects; (iv) undertaking Project supervision and monitoring; (v) establishing and implementing the Project Performance Management System (PPMS); (vi) preparing community action plans, bidding arrangements, and bid documents; (vii) evaluating bids; (viii) awarding and supervising construction contracts; (ix) exercising quality control; and (xi) recruiting, managing and supervising project consultants. The PMU reports directly to the General Department of Public Works (GDPW) regarding project-related matters.

19. Project Implementation Units (PIUs) are set up in Kampong Chhnang and Pursat and are operational. The PIU's are staffed jointly by the Provincial Department of Public Works and Transport and the Municipal government.

5.1 Project Implementation and Management Support (PMIS) Consultant

20. The contract with the PMIS consultants, Korea Engineering Consultants Corp. (KECC) in joint venture with NIRAS A/S and in association with Key Consultants (Cambodia) Ltd., was signed on 20 October 2016 and the consultant services were started on 17 November 2017

5.1.1 Utilization Consultants' Inputs

21. Up to the end of this reporting period, the total person-months used can be summarized as follows. Details are provided in annex 8

	Specialists	Total p/m	p/m used	Balance	Percentage p/m used
	International	78.00	30.43	47.60	39%
	National	428.00	99.56	328.44	23%
	Total	506.00	129.99	376.04	26%

6 SAFEGUARDS

6.1 Environmental Safeguard Monitoring

Subproject	Status/activities	Comments
Kampong Chhnang Flood Protection Embankment Construction	Preparation of EMP has been started.	EMP can only be completed after the Government and ADB have agreed on the scope of the embankment
Kampong Chhnang Landfill Construction and Operation	Preparation of EMP has been started based on the detailed designs	
Pursat Improvement of the Combined Storm Water and Sewerage System and Construction of the Waste Water Treatment Plant	Preparation of EMP to be started after completion of the detailed designs	Detailed design is delayed because of complication in the existing drainage network and difficulties to integrate this network in an improved system at an acceptable cost
Pursat Landfill Construction and Operation	Preparation of EMP has been started based on the detailed designs	

6.2 Monitoring of the implementation of the Resettlement and Compensation Plans

Subproject	Status/activities	Comments
Kampong Chhnang Flood Protection Embankment Construction	DMS/SES has reportedly been completed for 51 AH in the village of Phsar Chhnang and in the Chong Koh Village of for 47 self-relocated AH, 46 AH relocated to the resettlement area and 143 AH to be relocated.	The GDR survey team discontinued work before the Khmer new year and has not yet been remobilized. Details of pending works are given in annex 7
Kampong Chhnang Landfill Construction and Operation	Seems on DDR is required. Subproject screening to be done	Detailed design is completed. Location of all AH identified. SES of waste packers to be done
Pursat Improvement of the Combined Storm Water and Sewerage System and Construction of the Waste Water Treatment Plant	Seems on DDR is required. Subproject screening to be done	Can only be done after the detailed design is completed, expected by September 2018
Pursat Landfill Construction and Operation	Seems on DDR is required. Subproject screening to be done	Detailed design is completed Location of all AH identified. SES of waste pickers to be done

6.3 Social Safeguards

6.3.1 The indigenous peoples

22. The indigenous peoples safeguard category for the project has been set as C. Kampong Chhnang flood embankment has direct impact on ethnic Cham (e.g. 210 AHs) and they have been identified and meaningfully consulted by the Provincial Authorities at the PPTA phase, as the relocation to the resettlement site started and as part of the due diligence for the corrective action report. It is not clearly established whether the ethnic Vietnamese, largely located in the floating villages, have been impacted by the project. In any case, they will be consulted in their relation to the resettlement site in Kampong Chhnang. Both ethnic minorities live alongside the Khmer majority and are well integrated the larger community.

23. Design features are included to ensure the ethnic Cham are beneficiaries and are meaningfully consulted during the detailed design of the subprojects especially with regard to the required relocation of houses for the construction of the Kampong Chhnang flood protection embankment. Output 3 pre-identifies villages where ethnic Cham and Vietnamese are a majority of beneficiaries.

6.3.2 Grievance Redress Mechanism (GRM).

24. Ministry of Economy and Finance (MEF) General Department of Resettlement (RD-MEF) have set up Provincial Resettlement Sub-Committees Working Groups (PRSC-WG) in October 2017 for Kampong Chhnang and prepared the set up for Pursat, awaiting approval of the Provincial Governor. RD-MEF has also provided guidance to the Provincial Resettlement Sub-Committees (PRSC) to operationalize Grievance Redress Mechanism (GRM) for the project in mid-October 2017.

6.3.3 Gender Action Plan

25. The Project is classified as 'Effective Gender Mainstreaming' (EGM) under the Asian Development Bank's (ADB) guidelines (March 2010). The Project impact is increased economic activities and environmental protection in towns in the Tonle Sap Basin and the outcome of the project will be improved urban services and enhanced climate change resilience in Kampong Chhnang and Pursat municipalities. A Gender Action Plan (GAP) has been prepared in accordance with ADB's Policy on Gender and Development (1998), ADB Operations Manual Section C2/BP (2010) Gender and Development in ADB Operations, and the Government's goal to strengthen the role and social status of women through capacity building for women in all sectors, changing discriminatory social attitudes, and safeguarding women's rights to actively and equally participate in nation building.

26. The Gender Action Plan includes specific gender actions to help ensure men and women actively participate in project activities, receive project information, and have access to opportunities during project implementation. In this report the performance indicators/targets of the plan as presented in the PAM have been reformulated based on the SMART criteria to be able to more accurately measure the level of achievement. The GAP is presented in Annex

7 PROJECT PERFORMANCE

27. The following provides a summary assessment of the likelihood of reaching the targets set out in the DMF, and areas where the DMF needs to be changed.

Design Summary	Performance Targets and Indicators with Baselines	Assessment of the Project Implementation
<p>Outcome Improved urban services and enhanced climate change resilience in Kampong Chhnang and Pursat municipalities.</p>	<p>By 2023: a. At least 100,000 residents benefit from the project in Kampong Chhnang and Pursat municipalities (2013: 42,500 residents in Kampong Chhnang and 51,400 residents in Pursat). b. Households affected by floods in Kampong Chhnang reduced by 80% (2013: 5,400 households).</p>	<p>Based on the outcome of the detailed designs and estimated benefits the performance targets seem to be vastly exaggerated. Presents estimates are as follows: Kampong Chhnang Improved SWM 23.000 residents Flood embankment, with the present design without the proposed additional protection of the northern flood plain the flood protection is minimal possible only 3000 residents in the southern municipal area. Pursat Improved SWM 16.000 residents Improved drainage/sewerage 12000 residents Benefits of flood reduction will be minimal considering that flood from the Tonle Sap only affected about 1000 HH and this only 3 times in the last 30 years</p>
<p>Outputs Outputs 1 Kampong Chhnang urban area environmental improvements</p>	<p>By 2022: (Baseline: not applicable, if not otherwise stated) 1a. At least 15.1 km of embankment and road improved and constructed to a once in 50 years frequency flood level or 1:50 year flood levels (2013: range 1:1–1:20) 1b. 365 ha of urban land in 14 villages, and 950 ha of agricultural land in 14 villages are free from flooding from Tonle Sap. 1c. About 10 ha is converted into a controlled landfill. 1d. Two open dumpsites are closed and capped. 1e. Household collection increases to at least 60% in the municipality of Kampong Chhnang (2013: 4% or 400 households)</p>	<p>Scope of the Kampong Chhnang flood protection embankment is under review to select the best option that will not clash with the proposed river festival organization. The present design solution under review will not protect the kampong Chhnang urban area from flooding from the north. The proposal to extend the embankment to close the gap on the northern flood plan was rejected by the PMU and the bank. All targets are vastly exaggerated and cannot be achieved The proposed landfill will consist in its first phase of a cell of about 1ha. With a capacity of about 100.000 MT of compacted waste The open dumpsites are located on private land. The legal implications for closing these dumpsites which would require public investment on private property, will have to be assessed By 2023 household collection will cover an estimated 3.000 HH</p>
<p>Output 2 Pursat urban area environmental improvements</p>	<p>By 2022: (Baseline: not applicable, if not otherwise stated) 2a. At least 9.89 km of drains are improved and extended</p>	<p>During the validation of the PPTA it was found that there are 22 km of existing drains. Inconsistent levels of the existing drains combined with deferred</p>

Design Summary	Performance Targets and Indicators with Baselines	Assessment of the Project Implementation
	<p>(2013: 5.64 km of drains) controlled landfill.</p> <p>2f. Two open dumpsites are closed and capped (2013: 1 of 2 landfill sites is closed)</p> <p>2g. Household collection increases to at least 60% in Pursat municipality (2013: 11%)</p>	<p>maintenance has resulted a partial blockage of pipes and outfalls. The detailed design focused on the improvement of the existing pipelines but because of the inconsistent pipe levels and limited accessibility to the existing pipelines it will be necessary to install 19 km new pipelines to overcome to level problems in the existing pipelines</p> <p>The controlled landfill will consist of 1 cell with a capacity of approximately 100.000 MT of compacted waste</p> <p>The open dumpsites are located on private land. The legal implications for closing these dumpsites which would require public investment on private property, will have to be assessed</p> <p>By 2023 household collection will cover an estimated 2.000 HH</p>
<p>Output 3</p> <p>Community mobilization and environmental improvements</p>	<p>By 2022: (Baseline: 0)</p> <p>3a. At least 40% of participants in output activities and training are women.</p>	<p>NGO under package IV has been mobilized in February 2018. Inception was presented in May 2018.</p>
<p>Output 4</p> <p>Strengthened sector coordination and operations</p>	<p>By 2022: (Baseline: not applicable)</p> <p>4a. A plan for climate change adaptation in urban areas around the Tonle Sap is adopted by Tonle Sap provinces</p> <p>4b. Building codes with refined latrine standards are adopted by Tonle Sap provinces.</p> <p>4c. MPWT chairs at least two coordination meetings per year</p> <p>4d. Semi-autonomous USUs in Kampong Chhnang and Pursat municipalities are established and become operational (20% of staff are women).</p>	<p>Draft final report on climate resilience has been submitted</p> <p>No progress data available</p> <p>No progress data available</p> <p>Delayed, package IV consultant could not be engaged and sifting this responsibility to the PMIS will need a contract variation and internal agreement within the JV</p>
<p>Output 4</p> <p>5. Strengthened capacity for project implementation, and operations and maintenance</p>	<p>By 2022:</p> <p>5a. At least 20% of training participants are qualified women (2013: 5%-10%)</p> <p>5b. A capacity development program is adopted by each municipality (baseline: not applicable).</p>	<p>A training needs assessment was completed and based on this assessment a capacity development plan was prepared and present during a workshop on 29 May 2018</p> <p>No feedback on the plan has yet been received</p>

8 LOAN COVENANTS

28. The project remains out of compliance with Schedule 5, Paragraph 10 (Land Acquisition and Involuntary Resettlement) and Schedule 5, Paragraph 14 (Safeguards Monitoring and Reporting) of the loan agreement. The review of existing environmental sanitation fees and the feasibility study on future environmental fees to ensure cost recovery is ongoing (as per Schedule 5, Para 4). The project performance monitoring and evaluation system is in place, with regular updates of the Project Performance Review and contracts tracker spreadsheets, as well as quarterly reports, being submitted to ADB (as per Schedule 5, Para 5). The compliance with loan covenants is presented in Annex 6.

9 ASSESSMENT OF VALIDITY OF KEY ASSUMPTIONS AND RISKS

29. In the Project Design and Monitoring Framework the following risks that could adversely affect effective implementation and sustainable benefits had been identified. The present validity of those risks can be summarized as follows:

Assumptions and Risks	Validity
Outcome Improved urban services and enhanced climate change resilience in Kampong Chhnang and Pursat municipalities.	
Economic activities are adversely affected by natural disasters and lack of climate change impact mitigation. Municipalities are not prepared to collect revenues for O&M of urban infrastructure.	Detailed flood hazard modelling by MRC has shown that a 12 m level for the Kampong Chhnang flood protection embankment provides security for 50 years return period floods. The capacity for resource mobilization by Municipalities will have to be studied in more detail. Detailed designs will take into account the initial investment cost versus O&M cost of the infrastructures.
Output 1. Kampong Chhnang urban area environmental improvements	
Project start-up delays increase the number of affected people along the embankment alignment CSOs and/or NGOs raise concerns during project implementation.	Comparing Google Earth imagery from 2013/14 with imagery from 3/2/207 does not show a notable increase in the number of houses along the embankment.
Output 2. Pursat urban area environmental improvements	
NGOs raise concerns during project implementation	The INGO under package 4 will close cooperate with local NGOs and timely address the concerns of affected people. Beneficiary population and the general population. The implementation of the stakeholder communication plan should timely address and mitigate these concerns.
Output 3. Community mobilization and environmental improvements	
CSOs and/or NGOs raise concerns during project implementation.	See above
Output 4. Strengthened sector coordination and operations	
A plan for climate change adaption will be difficult to formulate as short and midterm environmental impacts will mainly result from the flow alterations in the Mekong River, due to development activities in the upstream countries. These will cause negative effects for ecosystem productivity, and thus also for livelihoods of the inhabitants of Tonle Sap floodplain, who directly depend on the lake's natural resources. The projected changes in the dry-season water levels, estimated to increase the water level in Tonle Sap Lake by 0.15– 0.60 m, would, in particular, be harmful to the present ecosystem of the lake.	The Mekong River Commission has commissioned a study on Modelling of Future Land-Use, Infrastructure & Flood Behaviour across the Cambodian Floodplain, Tonle Sap and The Mekong Delta of Cambodia under different land use, development and climate change scenarios. A draft report with the results of the study is available.
Output 5. Strengthened capacity for project implementation, and operations and maintenance	
Participants might not be fully receptive to the training and capacity building	A detailed training needs assessment has been initiated, with detailed consultations with all the potential recipients of training activities
Financial Management Arrangements	
Municipalities are not prepared to collect revenues for O&M of urban infrastructure.	Problems in revenue collection is being identified by the municipal financing specialists It is proposed to establish a special municipal office for collection of user fees from private and institutional users. The municipal financing specialists will support these units to introduce business plans to recover O&M costs for the services provided.
The project implementation units (PIUs) in Kampong Chhnang and Pursat are new entities and may have difficulty in managing project sub-	The PIUs will draw management staff from PDPWTs and municipalities. A PMU in the MPWT will support the PIUs in project implementation. The PMU will use a project financial management system developed under previous ADB

accounts and adhering to accounting policies and procedures.	projects, and will be responsible for all procurement. It will support the PIUs, with assistance from the PMIS consultants. A provincial coordination committee will guide the project in each town. Each PIU sub-account will have a ceiling of \$5,000. To ensure strict financial controls, each PIU will be required to liquidate every month. A late submission of liquidation (more than 10 days from the end of the month) will be grounds for suspension of the sub-account—
Fund mismanagement	The implementation arrangements are outlined in the project administration manual. All procurement will be done from within the PMU; a representative from each PIU will be invited to participate on the procurement committee. An imprest account will be established in the PMU. A sub-account will be established in each PIU, with a ceiling of \$5,000 and requirement for monthly liquidations. The proposed fund allocation also helps minimize fund mismanagement—reducing the risk to low.
Inadequate internal audit	Each government ministry has a Department of Inspectorate, whose role is to carry out the functions of an internal auditor within the ministry, and ensure that government rules and regulations are observed at all times. The MPWT has extensive experience in undertaking audits for externally financed projects. The Standard Operating Procedures for all Externally Financed Projects/Programs in Cambodia (May 2012) outline the requirements for internal audit
Inadequate external audit	The MEF will recruit an independent auditor to carry out external audits of all externally financed projects, including ADB-supported projects. The Standard Operating Procedures for all Externally Financed Projects/Programs in Cambodia (May 2012) outline the requirements for external audit

10 TARGETS FOR THE NEXT QUARTER

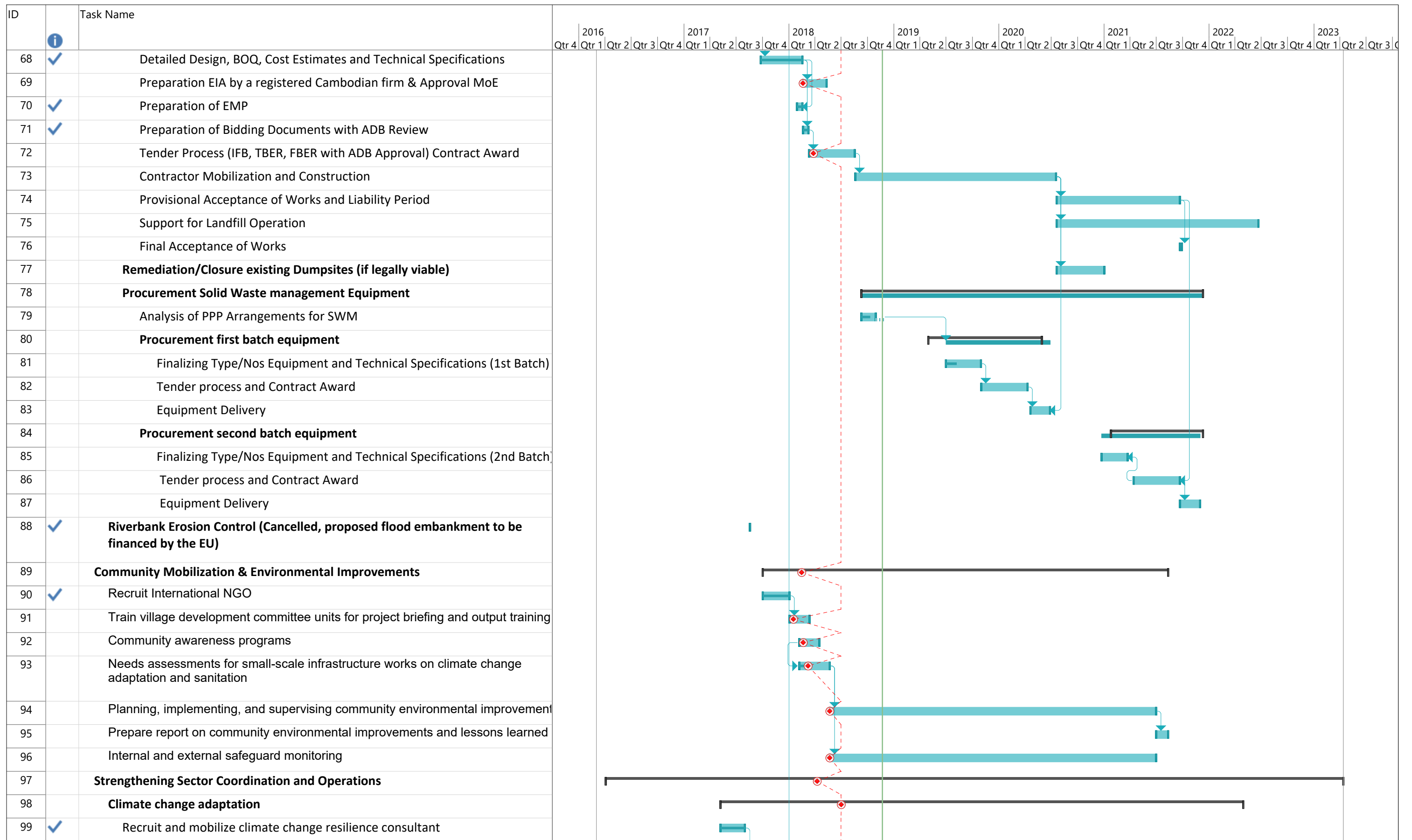
30. The targets for the next quarter can be summarized as follows:

Targets this quarter	Compliance	Targets next quarter
Reach an agreement on the way forward for the flood protection embankment and finalize the designs based on the agreed scope for the embankment. Finalize the detailed designs for the Pursat and kampong Chhnang landfill sites, with BOQ, technical specifications and bid documents to start the tender process	In a meeting on 4 April with ADB it was agreed to reduce the scope of the embankment to the southern section to avoid safeguard noncompliance. In a meeting with the Ministry of Tourism and the Provincial Government ADB was requested to reconsider this agreement based on assurances that no forced resettlement would be done before the approval of the RP. The final decision by the Bank is pending.	Based on the decision by the Government and the ADB, finalize the detailed design, BOQ cost estimates, Technical Specifications and Bidding documents and submit these for approval to the ADB
Obtain a written agreement on the availability of the original site for the WWTP in Pursat and on the construction of the WWTP at this site. Finalize the design based on these agreements	No written agreement has been obtained on the availability of the original site but verbal assurances have been given at several opportunities. Because of complications in the existing drainage network it is difficult to effectively integrate this network in an improved	Undertake additional measurements of inverted pipe levels in the existing system and finalize the detailed design for the improvement works based on the presently working drainage simulation model.

	drainage system in a cost effective manner. This is delaying the detailed design process	Finalize the detailed design of the proposed anaerobic WWTP with a reed bed filter.
No action planned for the master plan preparation during the next quarter. This can only be initiated after approval of a contract variation with additional financing for undertaking this task	A draft proposal for the preparation of urban services masterplans for Pursat and Kampong Chhnang has been prepared	Finalize the preparation of a contract variation that includes a provision for the preparation of the drainage master plans
EMPs for the landfill sites will be completed/ Completion of the EMPs for the flood protection embankment and the Pursat drainage will depend on the progress with the detailed designs	The detailed designs for the Landfills were on completed towards the end of the reporting period. Preparation of the EMPs has been started but will be completed during the next quarter	Finalize the preparation of EMPs for the Kampong Chhnang and Pursat landfills and start the preparation of the EMP for the Kampong Chhnang flood protection embankment
Continuation of the DMS/SES for the flood protection embankment by DDR with depend on the agreement on a way forward for design and construction of the embankment Surveys for the preparation of DMS/SES for the Kampong Chhnang and Pursat landfills will be completed	Because of the uncertainty on the scope of the embankment, GDR suspended the ongoing survey before the Khmer New Year and has not remobilized their teams. No surveys were carried out for the landfill subprojects	It is expected that GDR will restart the survey work for DMS preparation for the flood embankment and landfill sites
Preparation of the capacity development plan will continue The establishment of a road map for the establishment of USUs can only be continued after approval of VO2 which should provide the additional resources for this new task Work on tariff structure, tariff setting and subsidy methodology will continue as well as the consultations and investigations of the most suitable modalities for SWM	The training needs assessment and initial capacity development plan were further refined and presented to PMU and PIUs in a workshop on 29 May. Initial consultation were done with the local authorities to obtain their views and thoughts on the proposed USUs Consultation were also initiated with the local authorities on tariff setting and operational modalities for SWM.	Based on feedback from PMU and PIUs on the training needs assessment and Initial Capacity Building Plan the plan will be revised and further discussion on the implementation of the plan will with the local authorities will be scheduled

Annexes

Annex 1 : Revised Implementation Schedule



Project: Implementation schedu Date: Thu 11/22/18	Task		Project Summary		Manual Task		Start-only		Deadline	
	Split		Inactive Task		Duration-only		Finish-only		Progress	
	Milestone		Inactive Milestone		Manual Summary Rollup		External Tasks		Manual Progress	
	Summary		Inactive Summary		Manual Summary		External Milestone			

Annex 2 : Revised Personnel Schedule

Annex 3 : Fund Utilization

Status of Loan Utilization (Loan 3311)

As of 30 June 2018

Cat. Ref.	Category Name	US Dollars					
		Allocation	Contracts Awarded	Uncontracted Loan Balance	Contracts Disbursed	Undisbursed Loan Balance	Undisbursed Contract Balance
		A	B	C = A - B	D	E = A - D	F = B - D
01A	CW - KC Flood Protection	14,206,127	-	14,206,127	-	14,206,127	-
01B	CW - KC Solid Waste Mgt.	433,775	-	433,775	-	433,775	-
01C	CW - Pursat Flood Protection	604,186	-	604,186	-	604,186	-
01D	CW - Pursat Drainage	4,894,051	-	4,894,051	-	4,894,051	-
01E	CW - PS Solid Waste Mgt	1,028,103	-	1,028,103	-	1,028,103	-
01F	CW - KC Small-scale Inf. Dev.	739,389	-	739,389	-	739,389	-
01G	CW - PS Small-scale Inf. Dev.	739,389	-	739,389	-	739,389	-
02A	GD - KC Solid Waste Mgt.	736,572	-	736,572	-	736,572	-
02B	GD - PS Solid Waste Mgt	821,074	-	821,074	-	821,074	-
02C	GD - KC Embank. Manual Equipment	36,617	-	36,617	-	36,617	-
02D	GD - PS Flood Manual Equipment	36,617	-	36,617	-	36,617	-
02E	GD - PS Drainage Manual Equipment	36,617	-	36,617	-	36,617	-
03A	WS - Project Mgt & Implement Supp.	580,311	534,000	46,311	82,035	498,277	451,965
03B	WS - SSCD	9,859	-	9,859	-	9,859	-
04A	CS - PM & IS	3,404,952	3,597,913	(192,961)	637,390	2,767,563	2,960,523
04B	CS - SSCD	97,177	-	97,177	-	97,177	-
04C	CS - Survey & Investigations	61,755	135,000	(73,245)	115,350	(53,595)	19,650
05A	IA - Office and Travel Expense	398,555	140,369	258,186	55,780	342,776	84,590
05B	IA - Vehicles	145,286	134,500	10,786	134,500	10,786	-
05C	IA - Equipment	13,413	51,453	(38,040)	41,018	(27,605)	10,435
06	Interest During Implementation	1,401,437	-	1,401,437	14,472	1,386,965	(14,472)
07	Unallocatd	6,681,260	-	6,681,260	-	6,681,260	-
	Imprest Account	(5,282)	-	(5,282)	436,000	(441,282)	(436,000)
	Total	37,101,241	4,593,235	32,508,005	1,516,544	35,584,697	3,076,691
					-		4%

Status of Loan Utilization (Loan 8295)							
As of 30 June 2018							
Cat. Ref.	Category Name	US Dollars					
		Allocation	Contracts Awarded	Uncontracted Loan Balance	Contracts Disbursed	Undisbursed Loan Balance	Undisbursed Contract Balance
		A	B	C = A - B	D	E = A - D	F = B - D
1	CW - KC Flood Protection	4,982,000	-	4,982,000	-	4,982,000	-
2	Service During Implementaton	18,000	-	18,000	-	18,000	-
	Imprest Account			-	-	-	-
	Total	5,000,000	-	5,000,000	-	5,000,000	-

Status of Grant Utilization (Grant 0454)							
As of 30 June 2018							
Cat. Ref.	Category Name	US Dollars					
		Allocation	Contracts Awarded	Uncontracted Loan Balance	Contracts Disbursed	Undisbursed Loan Balance	Undisbursed Contract Balance
		A	B	C = A - B	D	E = A - D	F = B - D
01A	CW - PS Drainage	2,460,000	-	2,460,000	-	2,460,000	-
01B	CW - KC Sanitation Improvement	510,000	-	510,000	-	510,000	-
01C	CW - PS Sanitation Improvement	510,000	-	510,000	-	510,000	-
02A	WS - NGO SCEI	200,000	-	200,000		200,000	-
02B	WS - CCAUD	10,000	10,000	-	-	10,000	10,000
03A	CS - CCAUD	200,000	200,000	-		200,000	200,000
03B	CS - NGO SCEI	810,000	829,878	(19,878)	124,482	685,518	705,396
03C	CS - Survey and Investigation	100,000	165,796	(65,796)	-	100,000	165,796
04	Unallocated	200,000		200,000	-	200,000	-
	Imprest Account	-	-	-	194,000	(194,000)	(194,000)
	Total	5,000,000	1,205,674	3,794,326	318,482	4,681,518	887,192
					0.00	-	8%

Annex 4 : Contract Award and Disbursement Projections

Annex 5 : Gender Action Plan

GENDER ACTION PLAN MONITORING TABLE

STRATEGY	ACTIVITIES AND TARGETS	TIMELINE	RESPONSIBILITY	PROGRESS	ISSUES & CHALLENGES	
Output 1: Kampong Chhnang Urban Environmental Improvements						
Economic empowerment for women	1.1 Equal employment opportunities for female and male unskilled local labor is improved through contractors following relevant clauses on core labor standards in the special conditions of contract (equal pay for equal work, equal opportunities for employment, prioritize employment of women and the poor, providing protective gears to workers, no use of child labors, etc)	During implementation of construction contracts from Q1 2019 to Q2 2021	Contractors, with oversight from PMU, and PMIS consultants	Relevant clauses on core labor standards have been included in the special conditions of contract		
	Target 100% compliance with core labour standards included in the special conditions of contract.					
Reduction in gender inequalities and social risks	1.2 Households irrespective of income, ethnicity or gender of household head receive equal compensation and payment for any land acquisition, resettlement or livelihood losses.	Before award of the respective construction contracts Q4 2018 to Q4 2019	PMU, IRC/GDR, PMIS consultants, and Contractors	Not started		
	Target 100% compliance on equal compensation for similar losses with no gender difference.					
	1.3 Women's financial security is improved by registering household main assets in both husband and wife names.	Before award of the respective construction contracts Q4 2018 to Q4 2019				
	Target In case of relocation 100% of land titles issued in both wife and husband names					
	1.4 Safe and hygienic sanitation conditions are provided for women at work sites.	During implementation of construction contracts from Q1 2019 to				Hygienic sanitation conditions have been included in the special conditions of contract
	Target 100% of contractors provide separate toilet and washing facilities for women and men with adequate privacy for women including adequate arrangements for Menstrual Hygiene Management.					
1.5 Mitigate HIV/AIDS and human trafficking risks during civil works	During implementation of construction contracts from Q1 2019 to	Not started				
Target 100% of contractors' labor force participate in HIV/AIDS training provided by PMIS. Contractors facilitate participation of labour force during working hours.						

STRATEGY	ACTIVITIES AND TARGETS	TIMELINE	RESPONSIBILITY	PROGRESS	ISSUES & CHALLENGES
Output 2: Pursat Urban Environmental Improvements					
Economic empowerment for women	1.1 Equal employment opportunities for female and male unskilled local labor is improved through contractors following relevant clauses on core labor standards in the special conditions of contract (equal pay for equal work, equal opportunities for employment, prioritize employment of women and the poor, providing protective gears to workers, no use of child labors, etc)	During implementation of construction contracts from Q1 2019 to Q2 2021	Contractors, with oversight from PMU, and PMIS consultants	Relevant clauses on core labor standards have been included in the special conditions of contract	
	Target 100% compliance with core labour standards included in the special conditions of contract.				
Reduction in gender inequalities and social risks	2.2 Households irrespective of income, ethnicity or gender of household head receive equal compensation and payment for any land acquisition, resettlement or livelihood losses.	Before award of the respective construction contracts Q4 2018 to Q4 2019	PMU, IRC/GDR, PMIS consultants, and Contractors	Not started	
	Target 100% compliance on equal compensation for similar losses with no gender difference.				
	2.3 Women's financial security is improved by registering household main assets in both husband and wife names.	Before award of the respective construction contracts Q4 2018 to Q4 2019		Not started	
	Target In case of relocation 100% of land titles issued in both wife and husband names				
	2.4 Safe and hygienic sanitation conditions are provided for women at work sites.	During mobilization of contractors		Hygienic sanitation conditions have been included in the special conditions of contract	
Target 100% of contractors provide separate toilet and washing facilities for women and men with adequate privacy for women including adequate arrangements for Menstrual Hygiene Management.					
2.5 Mitigate HIV/AIDS and human trafficking risks during civil works	At the start of				

STRATEGY	ACTIVITIES AND TARGETS	TIMELINE	RESPONSIBILITY	PROGRESS	ISSUES & CHALLENGES	
	<p>Target</p> <p>100% of contractors' labor force participate in HIV/AIDS training provided by PMIS. Contractors facilitate participation of labour force during working hours.</p>	<p>construction works and periodically during the construction activities depending on the turnover of construction labour</p>		<p>Not started</p>		
Output 3: Community Mobilization and Environmental Improvements (CMEI)						
<p>Enhance women's involvement in planning, awareness, and commune and household level conditions on hygiene</p>	<p>3.1 Improved household level sanitation for poor female-headed households which would focus on; (i) safe disposal of urine and faeces including desiccated and composted wastes; (ii) good personal hygiene practices; (iii) importance of clean toilets; food hygiene; (iv) access to clean drinking water and keeping stored water clean and hygienic; (v) safe disposal of wastewater; (vi) implications of inappropriate hygiene practices and associated diseases.</p>		<p>PMU, PIUs, NGO, PDOWA and WCCC</p>	<p>NGO has started HH surveys in villages selected during the PPTA. No survey data have been made available</p>	<p>A well structured mechanism for data sharing between the PMIS and NGO will have to be agreed upon.</p>	
	Targets					
	(i) Household sanitation grants cover 100% of IDPoor 1 and IDPoor 2 female-headed households;				No data	
	(ii) clean functional toilets available for all HH				No data	
	(iii) proper maintenance with safe disposal of urine and faeces for all toilet facilities;				No data	
	(iv) all HH have access to safe drinking water;				No data	
	(v) In all HH good hygienic practices introduced.				No data	
	3.2 Women participate in identification of commune small-scale infrastructure needs and their location					
	Targets					
	(i) 40% of participants in CMEI consultations are women.				No data	
	(ii) 100% of women groups in CMEI project localities are consulted on location and appropriateness of small-scale infrastructure.				No data	
	3.3 Hygiene training and awareness campaigns benefit women				No data	
	Targets					
(i) 40% of participants in CMEI training sessions are women.			No data			
(ii) 30% of hygiene campaigns focus on menstrual hygiene and solid waste management (SWM).			No data			

STRATEGY	ACTIVITIES AND TARGETS	TIMELINE	RESPONSIBILITY	PROGRESS	ISSUES & CHALLENGES
Output 4: Strengthened sector coordination and operations					
Improve integration women's needs in institutional structures for urban area development	4.1 Semi-autonomous urban service units (USU) have women represented.	Depends on the establishment of the USUs	PMU, PIU, PMIS consultants and PDOWA	An initial note on the establishment of USUs has been prepared emphasizing the representation of women	Support for the establishment of USUs by the PMIS will require a contract variation that will transfer the responsibilities and inputs under package 3 to the PMIS
	Target				
	At least 20% of USU staff in Kampong Chhnang and Pursat are women.			Not started	
	4.2 Consultations during Master Plan studies for improvement urban services take into account women's needs.	Q4 2018 to Q1 2019		Not started	
	Targets				
	(i) 100% of women groups are consulted.			Not started	
(ii) 40% participants in general consultations are women.	Not started				
Output 5: Strengthened Capacity for Project Implementation, and Operations and Maintenance					
	Targets				
	5.1 At least 1 member of the Project Steering Committee is a woman.	Before the first meeting of the steering committee		Steering committee has not yet met	
	5.2 At least 30% of PMU and 30% of staff in both PIUs are women, preferably in decision making and technical positions; 2017 Baseline: PMU=1 woman (administration); PIU Kapong Chhnang=1 women (administration); PIU Pursat=1 women (administration).	Q 4 2019		No change in the composition of the PIUs	The present composition of the PMU and PIUs is not in compliance with the target set in the GAP/PAM
	5.3 Project management and implementation consultants include an international social development /resettlement specialist (6 person-months) and national gender specialist (6-person months).	Q4 2016		The international social development specialist has been mobilized. The national gender specialist has not yet been mobilized	
	5.4 A resettlement/social development officer is appointed in the PMU	Q1 2017		A resettlement/social development officer has been appointed in the PMU	

STRATEGY	ACTIVITIES AND TARGETS	TIMELINE	RESPONSIBILITY	PROGRESS	ISSUES & CHALLENGES
Capacity of women strengthened for project implementation, and operations and maintenance	5.5 A government community coordinator is appointed in Pursat PIU and two government community coordinators are in Kampong Chhnang PIU.	Q1 2017	PMU, PIUs and PMIS consultant	2 community coordinators have been included in the Kampong Chhnang PIU and 1 community coordinator in the Pursat PIU	
	5.6 A representative from the PDOWA is appointed to the provincial coordination committee in Pursat and Kampong Chhnang.	Q1 2017		A representative from the PDOWA has participation in meetings with the provincial coordination committee in Pursat and Kampong Chhnang	
	5.7 The annual project performance monitoring and evaluation reports will include progress against sex-disaggregated indicators. Routine monitoring will be done, and indicators and risks added to logical framework.	Q1 2019		A performance monitoring system which will include sex-disaggregated indicators is being set up	
	5.8 Progress reports (e.g., quarterly, safeguards, annual project performance monitoring and evaluation, and PPCR reports) include information on gender activities. The GAP monitoring table is updated and attached to the project progress report (twice a year)	Q4 2018		Included in this progress report	
	5.9 GAP performance included in mid-term and final project reviews.	Dates to be confirmed		Not due	
	5.10 At least 20% of technical training participants are professional staff women of PMU, PIUs and other relevant government agencies.	Q4 2021		Not started	

Annex 6 : Compliance with Loan Covenants

Ref	COVENANT	STATUS	ACTIONS	REMARKS
Covenants in the Loan Agreement				
Sched 5, para 2	Tonle Sap Urban Areas Development Framework. Within 18 months of the Effective Date, the Borrower shall ensure the adoption of the Tonle Sap Urban Areas Development Framework, an urban planning document that guides sustainable and climate resilient infrastructure development and growth of urban areas in the Tonle Sap basin.	Due in September 2017. Under review by Under Secretary of State.	Prakas to be adopted following further review by Secretary of State, Minister MPWT.	Adoption is pending
Sched 5, para 3	Roadmap for Establishing Urban Service Units: Within 12 months of the Effective Date, the Borrower shall ensure, and cause the Project Executing Agency to ensure, that the plans for establishing semi-autonomous USUs within the municipalities of Kampong Chhnang and Pursat are in place, including relevant draft ministerial <u>prakas (or ministerial decisions) to be signed by MPWT</u> for the establishment of USUs, its board of directors (or its equivalent), staffing requirements, human resource recruitment plan, office location, reporting responsibilities, financial management and audit requirements, good governance actions, assets transfer, and <u>timeline and process of conversion from a PIU to a USU.</u>	Due by 02 March 2017. Non-compliant	Ministerial Prakas (103 PRK/SK for Pursat and 104 PRK/SK for Kampong Chhnang), issued on 29 March 2017, establishes the Ministry's commitment for formally establishing a self-financed "wastewater and solid waste management unit in each of the municipalities. An Initial Note on Urban Service Unit Road Map has been prepared by the PIMS	Ministerial Prakas for this purpose were issued on 29 March 2017, confirming the Ministry's commitment for formally establishing a self-financed "wastewater and solid waste management unit in each of the municipalities, these two Prakas, issued in December 2017 for Kampong Chhnang and Pursat (see attached working paper), are provided the legal basis to establish Wastewater Treatment System and Solid Waste Units (WTSSWUs) under control of the PDPWT, not the municipalities
Sched 5, para 4	Environmental Sanitation Fees. Within 18 months of the Effective Date, the Borrower shall ensure, and cause the Project Executing Agency to ensure, that each USU conducts a review of existing Environmental Sanitation Fees levied in the municipalities of Kampong Chhnang and Pursat and completes a feasibility study on levying Environmental Sanitation Fees that recovers operations and maintenance costs and gradual depreciation of solid waste management, flood control and drainage, taking into account affordability for the poor.	Due in September 2017. Non-compliant	Review ongoing under PMIS. In light of the scheduling of other activities related to the construction of solid waste and waste water/drainage infrastructure the date for the establishment of an environmental sanitation fee was premature	Studies on environmental sanitation fees that would ensure O&M cost recovery and gradual depreciation cost will be completed in the 3 rd quarter of 2018. However initial assessments have revealed that self-financing of wastewater and SWM will be very difficult

Sched 5, para 5	Project Performance Monitoring and Evaluation. Within 18 months of the Effective Date, the Borrower shall ensure, and cause the Project Executing Agency to ensure, that a project performance monitoring and evaluation is established, acceptable to ADB, to monitor and evaluate the Project performance during implementation.	Due in September 2017	Project Performance Monitoring is ongoing, it has been agreed that the PPR can be expanded, incorporating a data set for the DMF, to form the PPME	Since multiple consultant teams are involved in the implementation of the project responsibilities for and coordination of data collection will need proper coordination. And possibly the development of an online data collection system
Sched 5, para 6	Environmental Decommissioning of Open Dumpsites. The Borrower shall ensure and cause the Project Executing Agency to ensure that the open dumpsites in Kampong Chhnang and Pursat relating to the Project shall be closed and properly decommissioned according to the plans set forth in the IEEs and finally in the IEEs updated during detailed design.	Not yet due	The existing open dumpsites are mainly located on private land owned or leased by the SWM contractors. The legal implications of closing these private dumpsites with public funds still have to be explored	It is proposed to add a national legal specialist to the PIMS team for assessment of legal issues with regard to closing private dumpsites
Sched 5, para 7	Plan for Climate Change Adaptation. Within 36 months of the Effective Date, the Borrower shall ensure that the Project Executing Agency has adopted the plan for climate change adaptation in urban areas around the Tonle Sap and revised building codes.	Not yet due.		
Sched 5, para 8	Counterpart Funds. The Borrower shall ensure that all counterpart funds necessary for the Project is provided on a timely basis.	Ongoing.		
Sched 5, para 9	Environment. The Borrower shall ensure, and cause the Project Executing Agency to ensure, that the preparation, design, construction, implementation, operation and decommissioning of the Project and all Project facilities comply with (a) all applicable laws and regulations of the Borrower relating to environment, health and safety; (b) the Environmental Safeguards; and (c) all measures and requirements set forth in the EARF, IEEs, the EMPs, and any corrective or preventative actions set forth in a Safeguards Monitoring Report. The Borrower shall ensure, and cause the Project Executing Agency to ensure, that the foregoing is applied and implemented for all outputs of the Project described in Schedule 1, regardless of the financing source.	Ongoing.	Preparatory activities are ongoing for updating the subproject IEEs and the preparation of the EMPs, as well as for the preparation of the government mandates IEAEs to be prepared by an independent licensed firm.	Updating of IEEs and preparation of EMP can only be done after the detailed designs have been substantially completed. It is expected that the detailed designs for the sanitary landfills will be completed by May 2018

<p>Sched 5, para 10</p>	<p>Land Acquisition and Involuntary Resettlement. The Borrower shall ensure, and cause the Project Executing Agency to ensure, that all land and all rights-of-way required for the Project are made available to the Works contractor in accordance with the schedule agreed under the related Works contract and all land acquisition and resettlement activities are implemented in compliance with the RPs based on (a) all applicable laws and regulations of the Borrower relating to land acquisition and involuntary resettlement; (b) the applicable principles and requirements set forth in the SPS; and (c) any necessary corrective or preventative actions as agreed by the IRC set forth in a Safeguards Monitoring Report.</p>	<p>Resettlement and land acquisition for the construction of the flood embankment, landfill facilities and drainage improvement is being brought in compliance with the required</p>	<p>Recruitment of external monitoring organization to monitor implementation of the RPs to be undertaken by the IRC.</p>	
	<p>Without limiting the application of the SPS or the RPs, the Borrower shall ensure or cause the Project Executing Agency to ensure that no physical or economic displacement takes place in connection with the Project until:</p> <p>(a) prior to the award of any Works contract which involves involuntary resettlement impacts, the Borrower has (i) updated the agreed RPs following completion of detailed design; and (ii) prepared, disclosed to affected persons and submitted to ADB the final RPs based on the Project's detailed design and obtained ADB's concurrence with such RPs;</p> <p>(b) compensation and other entitlements have been provided to affected people in accordance with the RPs; and</p> <p>(c) a comprehensive income and livelihood improvement program has been put in place in accordance with the RPs.</p>	<p>steps as per ADB SPS (2009) This covers all AH who were relocated to the new resettlement area or self-relocated in the first half of 2017, but it is not clear if this requirement would also apply to the HH on floating houses who were removed from mooring along the proposed embankment between September and November 2015.</p>	<p>GDR has conducted a DMS of the AHs located and already moved from the Kampong Chhnang Flood Embankment alignment. Corrective Action Report was sent to ADB on 28th of February 2018.</p> <p>GRD is coordinating with the PMU and the PMIS on the ongoing activities</p>	<p>Further DMS/SES needs to be undertaken under the responsibility of the GDR for the AH in the alignment of the flood protection embankment at the tourist port, at the landing facilities at the old port and along the access road to the tourist port (shops and stalls) for additional AHs not covered by DMS/SES so far.</p>

Sched 5, para 11	Indigenous Peoples. The Project, including Output 3 described in Schedule 1 hereto, shall benefit Ethnic Minorities. The Borrower shall ensure and cause the Project Executing Agency to ensure, that it adheres to applicable laws and regulations of the Borrower relating to indigenous peoples, and the Indigenous Peoples Safeguards and any corrective or preventative actions set forth in a Safeguard Monitoring Report.	Not yet due		
Sched 5, para 12	Human and Financial Resources to Implement Safeguards Requirements. The Borrower shall ensure, and cause the Project Executing Agency to ensure, to make available the necessary budgetary and human resources to fully implement the EARF, EMPs and the RPs.	Not yet due		
Sched 5, para 13	<p>Safeguards – Related Provisions in Bidding Documents and Works Contracts. The Borrower shall ensure, and cause the Project Executing Agency to ensure, that all bidding documents and contracts for Works contain provisions that require contractors to:</p> <p>(a) comply with the measures relevant to the contractor set forth in the EARF, IEEs, the EMPs and the RPs (to the extent they concern impacts on affected people during construction), and any corrective or preventative actions set forth in a Safeguards Monitoring Report;</p> <p>(b) make available a budget for all such environmental and social measures; and</p> <p>(c) provide the Borrower with a written notice of any unanticipated environmental, resettlement or indigenous peoples risks or impacts that arise during construction, implementation or operation of the Project that were not considered in the EARF, IEEs, the EMPs and the RPs.</p>	Not yet due		
Sched 5, para 15	<p>Safeguards Monitoring and Reporting. The Borrower shall ensure, and cause the Project Executing Agency to do the following:</p> <p>(a) no later than the commencement of land acquisition and resettlement activities, engage qualified and experienced external monitoring organization(s) (EMO), under the terms of reference(s) acceptable to the Borrower and ADB to verify information produced through the Project monitoring process and facilitate the carrying out of any verification activities;</p>	Being brought in compliance	External monitoring organization to be recruited by GDR	To be recruited

	<p>(b) submit quarterly Safeguards Monitoring Reports relating to implementation of and compliance with the RPs and submit semi-annual Safeguards Monitoring Reports relating to the implementation of and compliance with the EARF, EMPs, and any IPP (if it becomes applicable), in each case to ADB and disclose relevant information from such reports to affected persons promptly upon submission;</p> <p>(c) if any unanticipated environmental and/or social risks and impacts arise during construction, implementation or operation of the Project that were not considered in the EARF, IEEs, the EMPs and the RPs, promptly inform ADB of the occurrence of such risks or impacts, with detailed description of the event and proposed corrective action plan; and</p> <p>(d) report any actual or potential breach of compliance with the measures and requirements set forth in the EARF, EMPs or the RPs promptly after becoming aware of the breach.</p>			
Sched 5, para 16	<p>Gender and Development. The Borrower shall ensure, and cause the Project Executing Agency to ensure, that (a) the GAP is implemented in accordance with its terms; (b) the bidding documents and contracts include relevant provisions for contractors to comply with the measures set forth in the GAP; (c) adequate resources are allocated for implementation of the GAP; (d) progress on implementation of the GAP, including progress toward achieving key gender outcome and output targets, are regularly monitored and reported to ADB; and (e) key gender outcome and output targets including, but not limited to, 30% of staff in the PMU and PIUs and 20% of staff of USUs shall be composed of women.</p>	Ongoing.	This quarterly report includes the status of compliance with the Gender Action Plan.	
Sched 5, para 17	<p>Labor. The Borrower shall ensure, and cause the Project Executing Agency to ensure (i) compliance with all applicable labor laws of the Borrower on the prohibition of child and forced labor; (ii) giving of equal pay for equal work regardless of gender, ethnicity or social group; and (iii) dissemination of information on sexually transmitted diseases (including HIV/AIDS) and human trafficking to sub-contractors/employees and local communities surrounding the Project construction sites.</p>	Ongoing		

Sched 5, para 18	Governance and Anticorruption. The Borrower, the Project Executing Agency and the Project Implementing Agencies shall (a) comply with ADB's Anticorruption Policy (1998, as amended to date) and acknowledge that ADB reserves the right to investigate directly, or through its agents, any alleged corrupt, fraudulent, collusive or coercive practice relating to the Project; and (b) cooperate with any such investigation and extend all necessary assistance for satisfactory completion of such investigation.	Ongoing		
	The Borrower, the Project Executing Agency and the Project Implementing Agencies shall ensure that the anticorruption provisions acceptable to ADB are included in all bidding documents and contracts, including provisions specifying the right of ADB to audit and examine the records and accounts of the executing and implementing agencies and all contractors, suppliers, consultants, and other service providers as they relate to the Project.	Ongoing		
Sched 5, para 19	Prohibited List of Investments. The Borrower shall ensure that no proceeds of the Loan are used to finance any activity included in the list of prohibited investment activities provided in Appendix 5 of the SPS.	Ongoing		

Annex 7 : Kampong Chhnang, Flood protection embankment, requirements for finalizing the resettlement and compensation plans

Kampong Chhnang Requirements for finalizing the RP and compensation plan



Site development and basic infrastructure of the relocation site to be completed

Field survey work/data collection for DMS/SES of 236 AH completed (47 AH self relocated, 46 AH relocated to the resettlement area and 143 AH to be relocated)

DMS for 2 AH in the tourist port area on the loading/unloading site still to be done

Relocation required of all shops and stalls along the area to be back filled.
DMS for 51 stalls/shops completed.
DMS to be done for additional 72 stalls/shops

Public consultation with households located along the existing embankment on the proposed landfilling in front of the existing embankment and on how to backfill under the houses on stilts

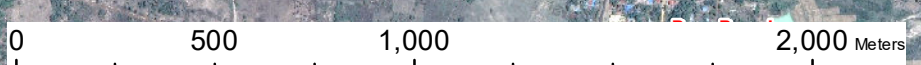
DMS required for loss of land use in the in the area to be backfilled for strengthening the existing embankment and recreational/commercial development

Relocation required of 1 AH, houses of 4 AH will be affected by structural damage. DMS to be done

Land acquisition of the section connecting the existing embankment with the road embankment
Negotiated land acquisition (ongoing)

DMS required for the loss of land use and structural damage in the ROW of the road embankment. Exact ROW to be confirmed

- Legend**
- Villages
 - Commune Centers
 - Commune Boundaries



Annex 8 : Overview of the input by Key International and National Specialists

Summary Input International Experts

No.	Expert / Position	Original Contract		Upto Previous Period		This period		Total		Balance	
		Inputs (Person-Months)		Total Inputs (Person-Months)		Total Inputs (Person-Months)		Total Inputs (Person-Months)		Total Inputs (Person-Months)	
		Home	Field	Home	Field	Home	Field	Home	Field	Home	Field
	Key Expert (International)										
KI-01	Christopher Konecki/Louis RIJK <i>Team Leader / Municipal Engineer</i>		35.00		9.70		2.07		11.77		23.23
KI-02	KIM, Dong Min <i>Geotechnical Engineer</i>		4.00		2.27		-		2.27		1.73
KI-03	Ricky Kwan/ Prashant MALLA <i>River Engineering Specialist</i>		8.00		0.73		0.70		1.43		6.57
KI-04	Herkko Kristian Torssonen <i>Solid Waste Management Specialist</i>		6.00		2.33		0.60		2.93		3.07
KI-05	Cliff Massey/Rachel Wildblood <i>Environment Specialist</i>		4.00		1.10		0.47		1.57		2.43
KI-06	Paul Van Strijp/Teemu Antero Jantunen <i>Social Development and Resettlement Specialist</i>		6.00		2.83		1.40		4.23		1.77
KI-07	Kerry Maxwell Blanch <i>Municipal Finance Specialist/Economist</i>		6.00		2.03		0.96		2.99		3.01
KI-08	Eric Baye <i>Private Sector Specialist</i>		3.00		0.27		0.57		0.84		2.16
KI-09	Claes Clifford <i>Institutional Specialist</i>		6.00		1.46		0.94		2.40		3.60
	Subtotal Key Expert (International)		78.00		22.72		7.71		30.43		47.57

Summary Input for National Expert

No.	Expert / Position	Original Contract		Upto Previous Period		This period		Total Inputs		Balance	
		Inputs (Person-Months)		Total Inputs (Person-Months)		Total Inputs (Person-Months)		Total Inputs (Person-Months)		Total Inputs (Person-Months)	
		Home	Field	Home	Field	Home	Field	Home	Field	Home	Field
	Key Expert (National)										
KN-01	Phai Sokheng <i>Deputy Team Leader/Civil Engineer 1</i>	33.00		2.11		-		2.11		30.89	
KN-02	Srey Socheat <i>Deputy Team Leader/Civil Engineer 2</i>	33.00		13.00		3.00		16.00		17.00	
KN-03	Ty Sopheak/Chea Ketia <i>National Geotechnical Engineer</i>	12.00		6.20		3.00		9.20		2.80	
KN-04	Som Kosal <i>Senior Civil Engineer 1</i>	12.00		-		-		-		12.00	
KN-05	Sim Sen <i>Senior Civil Engineer 2</i>	12.00		4.97		2.93		7.90		4.10	
KN-06	Phung Katry/ Mam Sanoun <i>Civil Engineer-River Hydrology</i>	12.00		5.97		2.93		8.90		3.10	
KN-07	Yim Mong Toeun <i>Civil Engineer-Solid Waste Management</i>	10.00		7.80		2.20		10.00		-	
KN-08	Chhoeum Ravann <i>Resident Engineer 1</i>	12.00		-		-		-		12.00	
KN-09	So Saran <i>Resident Engineer 2</i>	12.00		-		-		-		12.00	
KN-10	Chhor Ratha <i>Site Engineer 1</i>	20.00		-		-		-		20.00	
KN-11	Ro Rosbunnat <i>Site Engineer 2</i>	20.00		-		-		-		20.00	
KN-12	Pong Veasna <i>Site Engineer 3</i>	20.00		-		-		-		20.00	
KN-13	Vuth Ratha <i>Site Engineer 4</i>	20.00		-		-		-		20.00	
KN-14	Chhay Theara <i>AutoCAD Operator-Solid Waste Management</i>	10.00		5.53		2.93		8.46		1.54	
KN-15	Norm Mara <i>AutoCAD Operator-Drainage and River Bank Protection</i>	16.00		-		-		-		-	
KN-16	Pen Titdara <i>AutoCAD Operator-Flood Control</i>			8.00		2.80		10.80		5.20	
KN-17	Hep Srey Leak <i>Gender and Development Specialist</i>	6.00		-		-		-		6.00	
KN-18	Chap Samoeun <i>Resettlement Specialist 1- Pursat</i>	24.00		7.80		1.16		8.96		15.04	
KN-19	Mel Sophanna <i>Resettlement Specialist 2- Kampon Chhnang</i>			-		-		-		-	
KN-20	Chea Mong <i>Environment Specialist</i>	12.00		2.27		1.43		3.70		8.30	
KN-21	Ouk Monyroath <i>Financial Management/Accounting Specialist</i>	60.00		-		-		-		60.00	
KN-22	Bun Sangvar <i>Procurement Specialist</i>	24.00		-		-		-		24.00	
KN-23	Chan Vannak <i>Municipal Finance/Tariff/Economic Specialist</i>	24.00		7.60		3.00		10.60		13.40	
KN-24	Houth Ratanak <i>Human Resource/Training Coordinator</i>	24.00		1.23		1.70		2.93		21.07	
	Subtotal Key Expert (National)	428.00		72.48		27.08		99.56		328.44	
	Total (International + National)									376.01	