



Ministry of Public Works and Transport Kingdom of Cambodia

Second Greater Mekong Subregion (GMS) Corridor Towns Development Project

Loan No. 3314-CAM

4th Quarterly Report 2017

January 2018

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ABBREVIATIONS AND ACRONYMS

ADB	-	Asian Development Bank
CAD	-	Cost Estimate Report
CBTS	-	Capacity Building and Training Specialist
CS	-	Construction Supervision
CTDP	-	Corridor Towns Development Project
DED	-	Detailed Engineering Design
DMF	-	Design and Monitoring Framework
EA	-	Executive Agency
EM	-	External Monitoring
EMP	-	Environmental Management Plan
GAP	-	Gender Action Plan
GDR	-	General Department of Resettlement
GMS	-	Greater Mekong Sub-region
ICB	-	International Competitive Bidding
IEE	-	Initial Environmental Examination
IOL	-	Inventory of Loss
IRC	-	Inter-Ministerial Resettlement Committee
M&E	-	Monitoring and Evaluation
MEF	-	Ministry of Economy and Finance
MPWT	-	Ministry of Public Works and Transport
NCB	-	National Competitive Bidding
O&M	-	Operation and Maintenance
PAP	-	Project-affected People
PDPWT	-	Provincial Department of Public Works and Transport
PISCB	-	Project Implementation Support and Capacity Building
PIU	-	Project Implementation Unit
PMU	-	Project Management Unit
PPMS	-	Project Performance Management System
PPP	-	Public-Private Partnership
Q	-	Quarter
RGC	-	Royal Government of Cambodia
RP	-	Resettlement Plan
SDR	-	Special Drawing Rights
SEC	-	Southern Economic Corridor



- SLEDP - Strategic Local Economic Development Plan
- WWT - Wastewater Treatment
- WWTP - Wastewater Treatment Plant



SECTION 1 INTRODUCTION AND BASIC DATA

1.1 PROJECT OVERVIEW

The Royal Government of Cambodia has received loans and grants from the Asian Development Bank (ADB) towards the cost of the Second Greater Mekong Sub-region (GMS) Economic Corridor Towns Development Project (the Project).

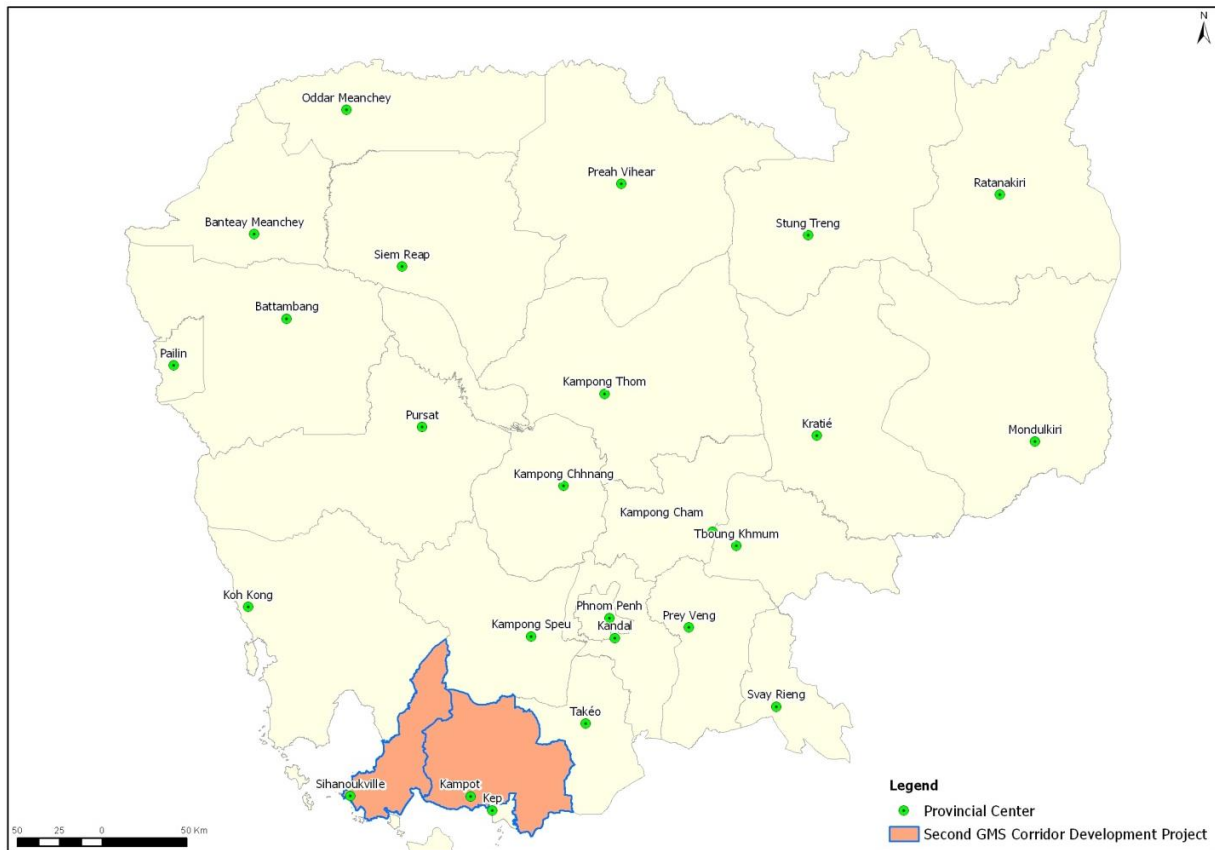
Loan Number 33-14 CAM, a Loan agreement between the Kingdom of Cambodia and the Asian Development Bank (ADB), will be used to fund implementation of the Second Mekong Sub-region (GMS) Corridor Town Development Project (CDTP). The Loan agreement was signed on 22 December 2015. The Loan was declared effective on 29 February 2016. The Implementation Period is from 2016 to 2020. The expected loan closing date is 30 June 2021.

The participating corridor towns in Cambodia, Kampot and Sihanoukville, continue to face the urgent task of coping with the demands of expanding urban areas. The local authorities want to plan and manage urban growth using an integrated approach, operate and maintain urban environmental and economic infrastructure and efficiently deliver municipal services. Kampot is a provincial capital and; agricultural, commercial and service center and a regional tourism center. Its strategic location provides excellent road based connections in the Southern Economic Corridor (SEC) and to Phnom Penh. There are significant opportunities for increased economic activities and investment. Sihanoukville is a regional center and provincial capital with a rapidly expanding economy and a significant level of urbanization. Its success is built around investment in strategic infrastructure, including an international port, an airport and a special economic zone, coupled with a beach environment that has given the town an international resort status.

The proposed Second Greater Mekong Sub-region (GMS) Corridor towns Development Project for Cambodia will improve urban services in the two towns of Kampot and Sihanoukville. The project will cover four subprojects comprising: (i) Strategic Local Economic Development Plans (SLEDPs) implemented; (ii) priority urban infrastructure investments implemented; (iii) institutional capacities for managing public investments strengthened; and (iv) Community Awareness on project activities and environmental sustainability improved.

The location of the towns of Kampot and Sihanoukville are shown on Figure 1.1

FIGURE 1.1
LOCATION OF THE TOWNS OF KAMPOT AND SIHANOUKVILLE



The projects expected outcome will improve urban infrastructure and enhanced climate resilience in Kampot and Sihanoukville. The project will cover five subprojects comprising, (a) Three subprojects in Kampot, (b) Two subprojects in Sihanoukville:

(a) Kampot:

- Wastewater Collection and Treatment
- Urban Drainage
- Solid Waste Management

Note: The sewerage element of 'Wastewater Collection and Treatment' is now part of the Drainage and Sewerage contract which includes 'Urban Drainage'

(b) Sihanoukville:

- Solid Waste Management
- Urban Drainage



1.2 BASIC DATA

Presented below is the basic Project data.

Project Title:	Second Greater Mekong Subregion Economic Corridor Towns Development Project		
Project Number	46443-002		
Borrower:	Kingdom of Cambodia		
Executing Agency (EA) and Implementing Agencies (IA)	The EA of the Project is the Ministry of Public Works and Transport (MPWT). The EA assumes overall responsibility for the project implementation through the Project Management Unit (PMU). The Provincial Town Governor in each of the two Towns, in cooperation with PMU, has set up the PIUs for the implementation of subproject activities. The key members of the PMU and PIUs are presented in Appendix A .		
Total Project Cost and Financing Plan			
Loan/Grant No.	Source of Funding	Amount (US\$ million)	Share of Total (%)
Loan No. 3314-CAM	Asia Development Fund	33.00	86.6%
	Government of Cambodia	5.10	13.4%
	Total Project Cost	38.10	100.0%

Source: Asian Development Bank estimates.

Date of Loan Approval	13 November 2015
Date of Signing of Agreement	22 December 2015
Date of Effectiveness	29 February 2016
Loan Closing Date	30 June 2021 (loan period is 5.42 years from date of effectiveness)
Elapsed Loan Period	1.83 years from date of effectiveness (as of 31 December 2017) 34.45% of loan period
Dates of ADB Review Missions	07 – 14 December 2016, 14 - 15 June 2017 and 25 – 29 August 2017

1.3 REPORTING PERIOD

This Quarterly Report is for the 4th Quarter of 2017 – October - December 2017 reporting period. It provides a summary of accomplishments during the reporting period, identifies major issues and concerns and recommends the action required, compliance with safeguards and covenants, and lists activities to be carried out in the next quarter.



SECTION 2 UTILIZATION OF FUNDS

2.1 PROJECT COST ESTIMATE

The Project million cost estimates was amended to take into consideration, the reallocation of loan proceeds due to contract awards under loan categories that already exceeded their allocation and the prioritization of subprojects such that total cost will be within the available budget. **Table 2.1 and 2.2** presents the Detailed Cost Estimate by Output and Financier prepared by MEF, and approved by ADB.

**TABLE 2.1
DETAILED COST ESTIMATE BY OUTPUT AND BY FINANCIER (US\$ MILLION)**

(Second Greater Mekong Subregion Economic Corridor Towns Development Project)

No.	Item	Total		ADB Loan		RGC			
		Amount	%	Amount	%	Amount	Taxes & Duties	Subtotal	%
A	Base Cost								
1	Kampot								
1.1	Wastewater collection and treatment	9.74	26%	7.28	75%	1.73	0.73	2.46	25%
1.2	Solid waste management	3.01	8%	2.53	84%	0.23	0.25	0.48	16%
1.3	Urban drainage	1.80	5%	1.48	82%	0.17	0.15	0.32	18%
	Subtotal Kampot	14.55	38%	11.29	78%	2.13	1.13	3.26	22%
2	Sihanoukville								
2.1	Wastewater collection and treatment	2.90	8%	2.64	91%	-	0.26	0.26	9%
2.2	Solid waste management	9.68	25%	8.80	91%	-	0.88	0.88	9%
	Subtotal Sihanoukville	12.58	33%	11.44	91%	-	1.14	1.14	9%
3	Project Implementation and Capacity Development	3.58	9%	3.25	91%	-	0.33	0.33	9%
4	Incremental Administration Cost								
4A	Salary Supplements and Project Audit	0.37	1%	-	0%	0.34	0.03	0.37	100%
2D	Other Incremental Administration Cost	0.56	1%	0.56	100%	-	-	-	0%
	Subtotal (A)	31.64	83%	26.54	84%	2.47	2.63	5.10	16%
B	Contingencies								
1	Physical Contingencies	2.95	8%	2.95	100%	-	-	-	0%
2	Price Contingencies	2.66	7%	2.66	100%	-	-	-	0%
	Subtotal (B)	5.61	15%	5.61	100%	-	-	-	0%
C	Financial Charges During Implementation	0.85	2%	0.85	100%	-	-	-	0%
	Total (A+B+C)	38.10	100%	33.00	86.6%	2.47	2.63	5.10	13.4%



TABLE 2.2
DETAILED COST ESTIMATES BY FINANCIER
(Second Greater Mekong Subregion Economic Corridor Towns Development Project)

No.	Item	ADB		RGC			Total	
		Amount	%	Amount	Amount (Taxes & Duties)	Amount (Total)		%
A	Base Cost							
1	Civil Works	22.18	90.9%	-	2.22	2.22	9.1%	24.40
2	Equipment and Materials	0.55	90.2%	-	0.06	0.06	9.8%	0.61
3	Land Acquisition and Resettlement	-	0.0%	2.13	-	2.13	100.0%	2.13
4	Project Implementation and Capacity Building	3.25	90.8%	-	0.33	0.33	9.2%	3.58
5	Incremental Administration Cost							
5A	Salary Supplements and Project Audit	-	0.0%	0.34	0.03	0.37	100.0%	0.37
5B	Other Incremental Administration Cost	0.56	100.0%	-	-	-	0.0%	0.56
	Subtotal (A)	26.54	83.9%	2.47	2.64	5.11	16.1%	31.65
B.	Contingencies							
1	Physical contingencies	2.95	100.0%	-	-	-	0.0%	2.95
2	Price contingencies	2.66	100.0%	-	-	-	0.0%	2.66
	Subtotal (B)	5.61	100.0%	-	-	-	0.0%	5.61
C.	Financial Charges During Implementation	0.85	100.0%	-	-	-	0.0%	0.85
	Total (A+B+C)	33.00	86.6%	2.47	2.64	5.11	13.4%	38.11

Source: Project Administrative Manual



2.2 LOAN PROCEEDS

Loan utilization by category, as of 31 December 2017 is indicated in Table 2.3 below and the master spreadsheets used for CAD Project to Date and Year to Date is shown in **Appendix 3**.

TABLE 2.3
STATUS OF LOAN UTILIZATION (LOAN 3314)

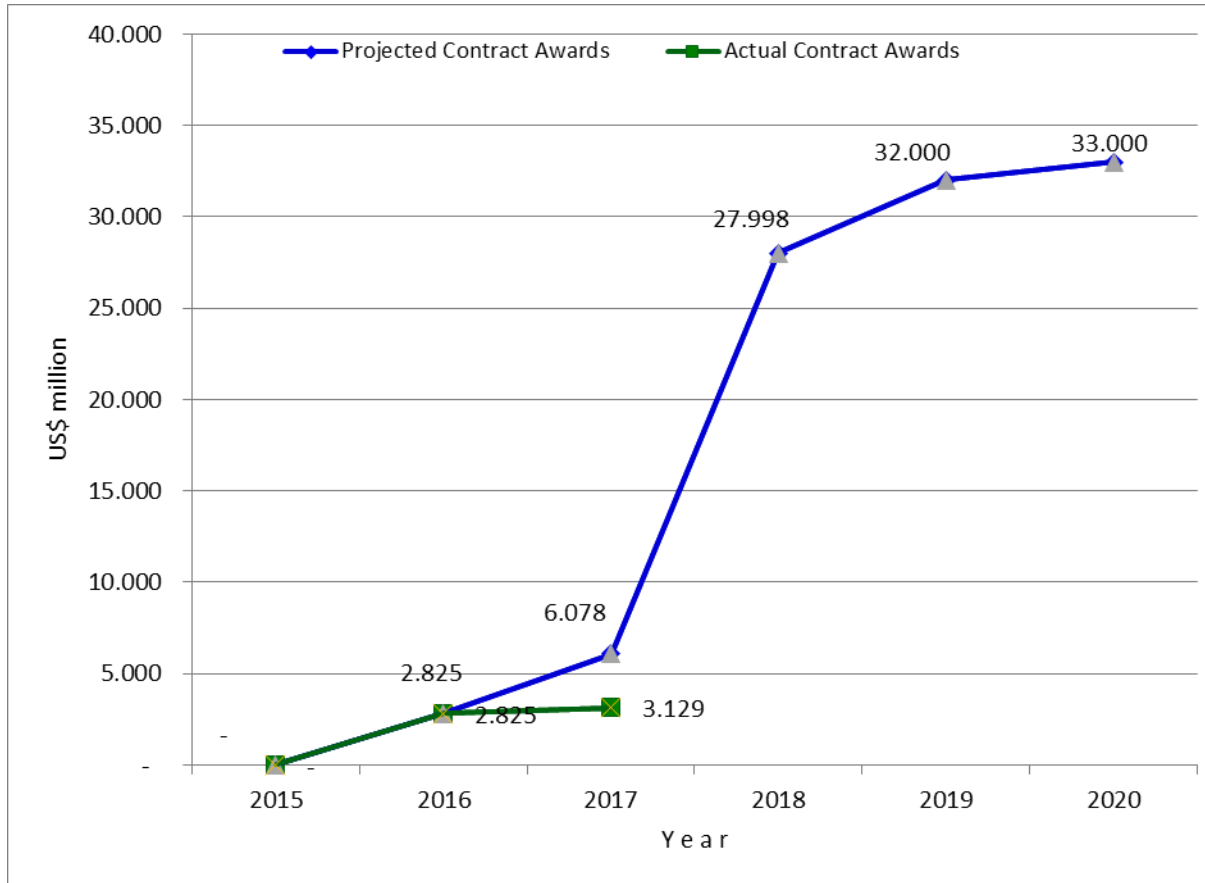
as of 31 Dec 2017							
Cat. Ref.	Category Name	US Dollars, million					
		Allocation	Contracts Awarded	Uncontracted Loan Balance	Contracts Disbursed	Undisbursed Loan Balance	Undisbursed Contract Balance
		A	B	C = A - B	D	E = A - D	F = B - D
A	Base Cost						
1	Kampot						
1.1	Wastewater collection and treatment	9.740	-	9.740	-	9.740	-
1.2	Solid waste management	3.010	-	3.010	-	3.010	-
1.3	Urban drainage	1.800	-	1.800	-	1.800	-
	Subtotal Kampot	14.550	-	14.550	-	14.550	-
2	Sihanoukville						
2.1	Wastewater collection and treatment	2.900	-	2.900	-	2.900	-
2.2	Solid waste management	9.680	-	9.680	-	9.680	-
	Subtotal Sihanoukville	12.580	-	12.580	-	12.580	-
3	Project Implementation and Capacity Development	3.580	2.825	0.755	0.706	2.874	2.119
4	Incremental Administration Cost	-	-	-	-	-	-
4A	Salary Supplements and Project Audit	0.370	-	0.370	0.002	0.368	(0.002)
2D	Other Incremental Administration Cost	0.560	0.304	0.304	0.220	0.340	0.084
	Subtotal (A)	31.640	3.129	28.559	0.928	30.712	2.201
B	Contingencies						
1	Physical Contingencies	2.950	-	2.950	-	2.950	-
2	Price Contingencies	2.660	-	2.660	-	2.660	-
	Subtotal (B)	5.610	-	5.610	-	5.610	-
C	Financial Charges During Implementation	0.850	-	0.850	0.007	0.843	(0.007)
	Imprest Account				0.206	(0.206)	(0.206)
	Total (A+B+C)	38.100	3.129	35.019	1.141	36.959	1.988



2.3 CONTRACT AWARDS

No contract award was made during the reporting period. As of 31 December 2017, the contracts awarded by PMU amounted to US\$3.129 million, or 9.48% of total loan amount. **Figure 2.1** shows the S-curves of the cumulative actual and original contract awards.

FIGURE 2.1
CUMULATIVE ACTUAL VERSUS PROJECTED CONTRACT AWARDS

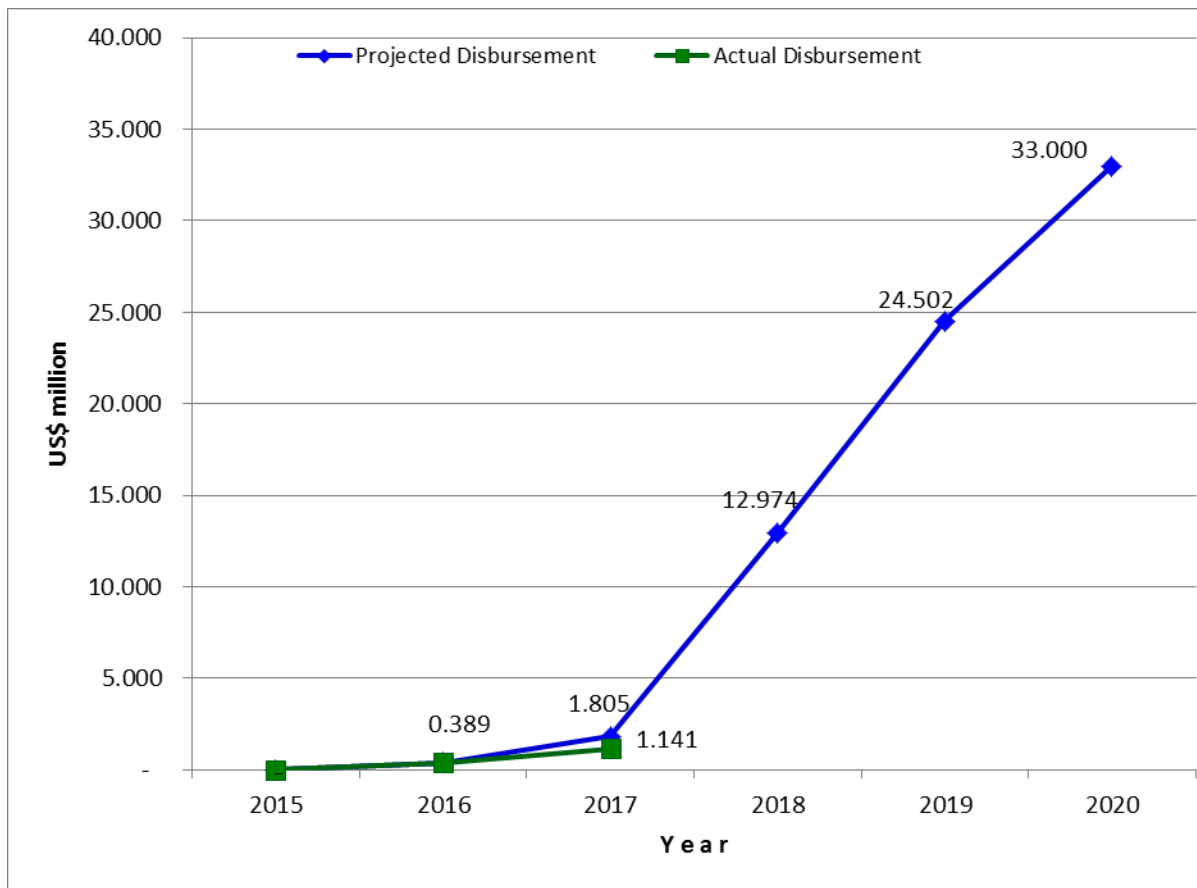




2.4 DISBURSEMENT

Disbursements during Q4 2017 were made through direct payment of PISCD consulting services and salary supplements. So far, a total of US\$ 1.141 million, or 36.46% of total contract awards, has been disbursed. This is equivalent to 3% of total loan amount. The S-curves of the cumulative actual versus projected disbursements and original are shown in Figure 2.2.

FIGURE 2.2
CUMULATIVE ACTUAL VERSUS PROJECTED DISBURSEMENTS



2.5 COUNTERPART FUNDS

Payment made from the RGC counterpart fund during the reporting period was US\$0.002. PMU and PIU staff allowances were paid from the account's balance of this quarter. As of 31 December 2017, the total counterpart funds released to the Project was US\$0.002 or 0.04% of the total government contribution.



SECTION 3 IMPLEMENTATION PROGRESS

3.1 OVERALL PROGRESS

As of 31 December 2017, project implementation is behind the originally envisaged program by some three to four months, the estimated physical completion of the Project is 3 to 3.5% and while the time elapsed from effective date for the completion of the design activities was the end of November 2017 these should now be complete in the first quarter of 2018.

During the reporting period additional topographical surveys were completed for the existing solid waste dump sites in Kampot and Sihanoukville.

Kampot

Contract CW1a: Wastewater Treatment Plant, Pumping Stations and Rising Mains
Detailed engineering design and preparation of BoQ and specifications is some 95% complete and final review to be carried out.

Contract CW1b: Drainage and Sewerage
Detailed engineering design and preparation of BoQ and specifications is some 95% complete and final review to be carried out.

Contract CW2: Solid Waste Management
No progress, on hold pending location of acceptable site.
Preliminary Design Report for initial site complete and will need review and update should a new site be located.

Sihanoukville

Contract CW3: Drainage
Detailed engineering design and preparation of BoQ and specifications is some 80% complete and final review to be carried out.

Preliminary Design Report for initial site complete but will need review and update should a new site be located.

Contract CW4: Solid Waste Management
No progress, on hold pending environmental acceptability site.
Preliminary Design Report for initial site complete and will need review and update for detailed design

Training Need Assessment (TNA) was conducted at Sihanoukville and Kampot province. Site visits and field investigations were carried out during the reporting period and the draft report prepared.

The subprojects in Kampot and Sihanoukville were visited by electrical engineers, date 20-21 November 2017. The purpose of site visit was to identify the power sources to be connected to the pumping station and WWTP in Kampot, and managed landfill in Sihanoukville.

Difficulties related to the sites of the proposed subprojects site are described in the following:

Kampot:



- The Landfill site (17.2ha) the land previously approved by Kampot Governor has problems with encroachment by 4 families and 1 military officer in Kampot province (owner of the adjacent rock quarry). The 4 families are in a court case and this will take more time for resolution, to date no results at all. A new landfill site was proposed by PISCB for acquisition, but GDR/MEF have stated the area proposed was owned by a number of people and purchase would be difficult/lengthy and therefore no viable. Over 3 months have lapsed since the ADB Mission in Sept.15, 2017. The PIU has been requested to propose alternative sites they consider might be acceptable.
- The permission letter from KP governor permitting the construction of the WWTP at the selected site (Figure 3.1) WWTP at Kampong Samrong village, Kampong Sarong commune, Teuk Chhu district, Kampot province was received from KP's Governor, through the PMU director.

Sihanoukville:

- During conducting the field survey on ecological resources in SHV landfill site at Ou Oknha Heng commune, the environmental specialists and survey team were banned by one man (called himself a guardian of land owner there). When the SHV-PIU staff arrived at the site the guardian allowed the PISCB team entrance to the project site, but he confirmed no land measurement or other activities were permitted except tree counting.
- Inside the proposed landfill the environmental survey team found two mark-columns in the project site (Figure 3.3). Based on this mark it indicates that some people intended occupying the proposed landfill site previously approved by the SHV Governor May 9, 2017 (Figure 3.4).
- The revised Environmental Report was submitted to ADB for comment and still considered to unacceptable and requires modification to justify the selection of the currently proposed site.

FIGURE 3.1
WWTP SITE TO BE CONSTRUCTED BY 2ND GMS-CTDP-2



FIGURE 3.2
NEW PROPOSED LANDFILL SITE

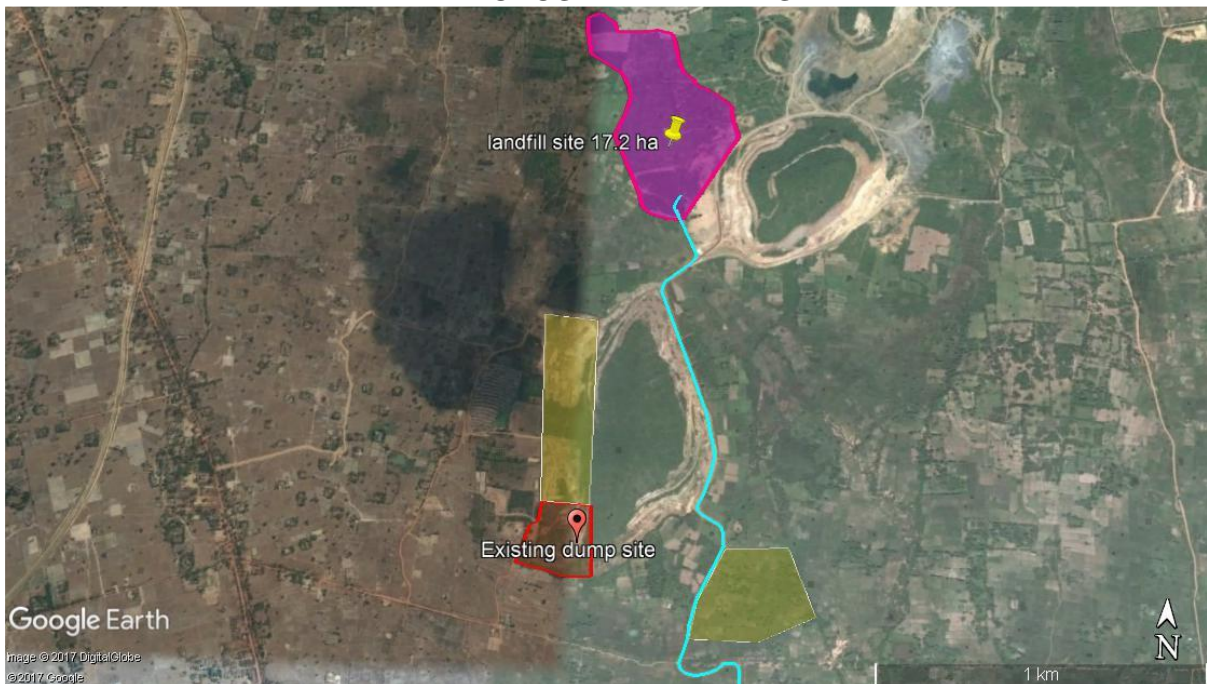
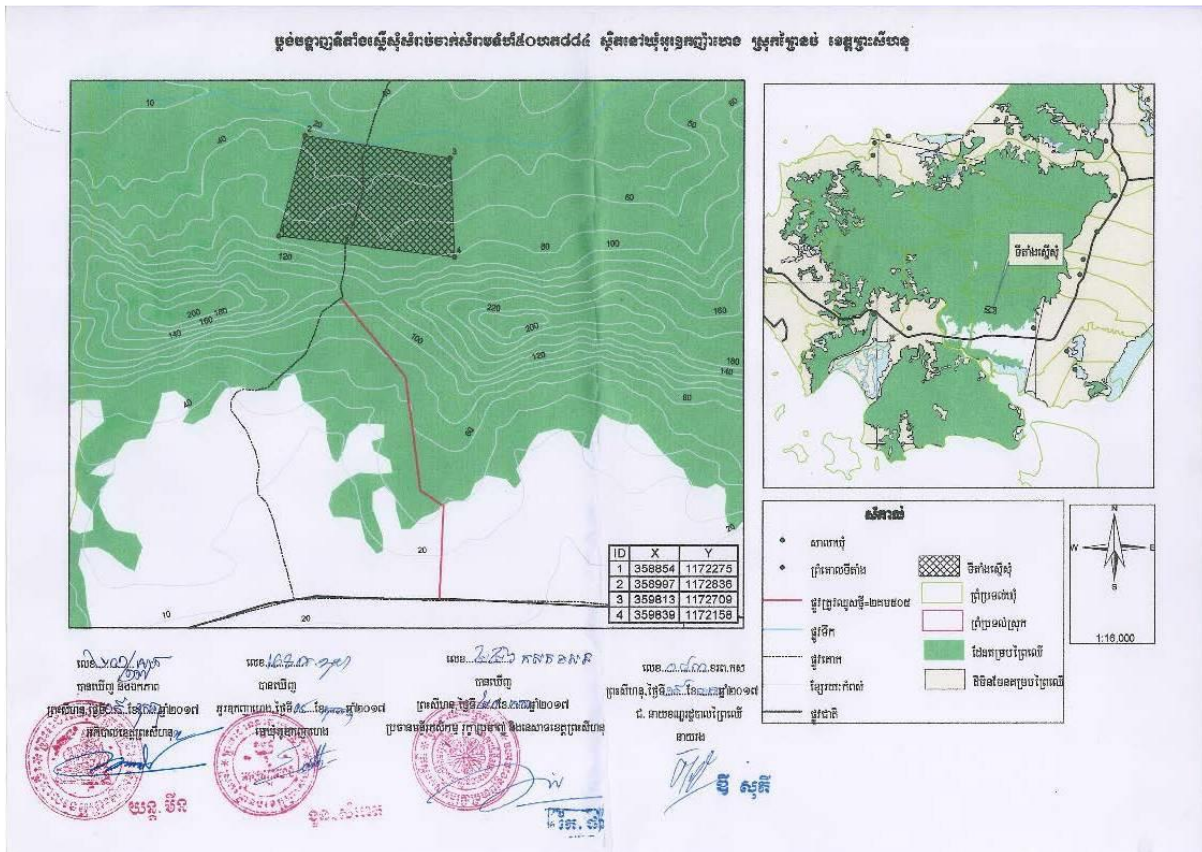


FIGURE 3.3
PLOT MARKER-COLUMN, BY OTHERS, IN PROPOSED MANAGED LANDFILL IN SHV



FIGURE 3.4
THE APPROVAL MANAGED LANDFILL SITE 50HA



3.2 PROJECT MANAGEMENT and IMPLEMENTATION UNIT

Since approval on 13 November 2015 and the declaration of effectiveness on 29 February 2016, and for project implementation, the MPWT has established a Project Management Unit (PMU) at the national level and a project Implementation Unit (PIU) at the provincial level, the composition of the PMU and PIU and the role of each of the members is shown in **Appendix 1**.

The work plan and implementation schedule was jointly reviewed and updated during ADB mission on 14-15 June 2017. Due to revisions to contract awards and disbursement projections and the procurement plan has been updated to reflect the current work plan and schedule. Following a joint review and discussion, the update work plan and implementation schedule is shown in **Appendix 2**.

3.3 PROJECT MOBILIZATION and REMOBILIZATION

The contract for the consulting services package for the project has been awarded, and The Project Implementation Support and Capacity Building (PISCB) consultant is continuing to mobilize and remobilize both international and national inputs as are required for the works. Movement of the consultant’s staff up to the end of the reporting period is described in **Table 3.1**.



**TABLE 3.1
STAFFING MOBILIZE AND DEMOBILIZE**

Consultants	Position	Date of	
		Mobilization & Remobilization	Demobilization
A. International			
Mr. Rocco M. Palazzolo Mr Chris Dunn	Team Leader/Municipal Engineer	18 Nov. 2016	16 Dec.2016
		14 Jan 2017	5 Feb 2017
		7 Feb 2017	12 Feb 2017
		15 Feb 2017	19 Feb 2017
		22 Feb 2017	27 Feb 2017
		2 March 2017	13 March 2017
		17 April 2017	2 May 2017
		8 May 2017	16 May 2017
		23 May 2017	27 May 2017
		19 June 2017	24 June 2017
		29 June 2017	23 July 2017
		26 Jul 2017	31 Jul 2017
		22 Aug 2017	25 Nov 2017
Mr. Sampei Nakanishi	Solid Waste Management Specialist	21 May 2017	31 July 2017
		4 Sept. 2017	12 Oct 2017
Mr. Ferdinand Asuncion Mr. Keiji Matsuoka	Wastewater / Civil Engineer	4 June 2017	15 July 2017
		4 Sept. 2017	29 Dec 2017
Mr. Rolando T Soncuya	Resettlement Specialist	3 May 2017	10 June 2017
Ms. Yolanda M. Mingoa	Environmental Specialist	1 Oct 2017	20 Nov 2017
Ms. Mildred Rollolazo	Social Development and Gender Specialist	8 Nov 2017	28 Nov 2017
Mr. Joop Schaap	Capacity Building and Training Specialist	20 April 2017	21 May 2017
		16 July 2017	17 August 2017
Dr. Consuelo B Estepa	Business Management Specialist	1 July 2017	31 August 2017



B. National			
Mr. Taing Sophanara	DTL/Engineering and Procurement Specialist No.1	18 Nov. 2016 12 Dec.2016 27 Dec.2016 1 Jan 2017 2 Feb 2017 17 Mar 2017 1 Dec 2017	8 Dec.2016 21 Dec.2016 28 Dec.2016 31 Jan 2017 10 Mar 2017 28 Nov 2017
Mr. Phai Sok Heng	DTL/Engineering and Procurement Specialist No.2	8 Dec.2016 1 May 2017 14 July 2017 31 August 2017 15 Sept. 2017 27 Sept. 2017 6 Oct 2017 24 Oct 2017	14 Dec.2016 11 July 2017 28 August 2017 11 Sept. 2017 25 Sept. 2017 4 Oct 2017 9 Oct 2017 27 Oct 2017
Mr. Song Kim Chhoun	Project Performance Monitoring System	12 Dec.2016 1 Feb 2017 14 Mar 2017 1 July 2017 10 July 2017	14 Dec.2016 8 Mar 2017 17 April 2017 4 July 2017 11 August 2017
Dr. Yim Mongtoeun Mr Yin Somean	Solid Waste Management Specialist	1 May 2017	
Mr. Som Kosal	Wastewater/ Civil Engineer	28 June 2017	14 Dec 2017
Mr. Yang Bora	Drainage Engineer	1 May 2017	
Mr. Chea Mong	Environment Specialist	23 August 2017	31 August 2017
Mr. Mel Sophanna	Resettlement Specialist	25 May 2017 17 August 2017	14 June 2017 28 August 2017
Miss. Hep Sreyleak	Social Development and Gender Specialist	12 Dec.2016 16 Jan 2017	16 Dec.2016 23 Feb 2017
Ms. Phork Hoeurng	Training Specialist	26 Apr 2017 5 Oct 2017	31 August 2017 24 Oct 2017
Mr Son Mithonarath	Business Management Specialist	1 July 2017	31 August 2017
Ms. Son Vannita	Urban Planner and Design Specialist	17 July 2017 1 Nov 2017	22 July 2017 31 Nov 2017



Ms. Kun Chantrea/Mr Thlork Mesa	Technical / Support Engineer	9 Feb 2017 22 Feb 2017 20 Mar 2017 24 Mar 2017 29 May 2017	16 Feb 2017 6 Mar 2017 21 Mar 2017 29 Mar 2017
Ms. Born Mary	Technical / Support Engineer	1 June 2017	30 Nov 2017
Mr. Chan Thanin	Technical / Support Engineer	1 June 2017	30 Nov 2017
Mr. Seang Chhay Ngom	Technical / Support Engineer	1 July 2017	30 Nov 2017
Mr. Chuk Channarong	Technical / Support Engineer	1 August 2017 13 Sept. 2017	15 August 2017 27 Nov 2017

3.4 PROCUREMENT

The Project involves the procurement of: (i) civil works with an estimated amount of \$24.39 million; (ii) project implementation and capacity development, \$3.58 million; and (iii) goods and equipment, \$0.61 million.

The current CAD projections were contingent on awarding two contracts this year, namely the Kampot Solid Waste Management (\$2.47 million) and the equipment for solid waste management (\$0.61 million). But with the delays in land availability these anticipated expenditures can no longer be made in the foreseeable future and the envisaged works might be cancelled.

MPWT and the consulting team proposed to split the Kampot wastewater collection and urban drainage package, currently \$9.65 million ICB, into two separate packages, one for drainage (\$1.63 million, NCB) and one for wastewater collection and treatment (\$6.03 million). This proposal would allow for the project to come closer to the contract awards target and would make sense from a technical perspective as the drainage sub-project is distinct from the wastewater collection and treatment works, and local contractors have been experience in constructing similar drainage schemes. Summary of subproject components and cost estimate is shown in **Appendix 4**.

3.4.1 Signed Contract Document and Completed Contracts

There were no activities for procurement work during the reporting period. As of 31 December 2017, the completion of recruitment Consulting Services, signed contract document and Office renovation for the Second GMS Corridor Towns Development Project are shown below:

1. Consulting Services
 - Completed recruitment of Consulting Services for: Project Management and Implementation Support, Detailed Design and Construction Supervision (Package 1) and Capacity Building (Package 2)



- Completed recruitment of National Financial management specialist and National Procurement specialist
2. Goods
- Signed contract for supply of Office Equipment
 - Signed contract for supply of Office furniture
 - Signed contract for supply of 3 vehicles
3. Works
- Signed contract for PIU Kampot Office renovation
 - Signed contract for PIU Sihanoukville Office renovation

3.4.2 Procurement Plan

The procurement plan was jointly reviewed and updated during ADB mission on December 07 – 14, 2016. Due to EA provided detailed cost estimates for office repairs, office equipment and furniture proposed for the PMU and the two PIUs in Sihanoukville and Kampot. Following a joint review and discussion, these items were included in the goods and works table in the procurement plan was prepared and agreed upon by the EA and ADB, the update procurement plan is shown in **Appendix 5**.

The procurement plan was jointly reviewed and updated again during ADB mission on August 25 - 29 2017. Due to MPWT and the consulting team proposed to split the Kampot wastewater collection and urban drainage package, currently \$9.65 million ICB, into two separate packages, one for drainage and one for wastewater collection and treatment.

3.5 PROJECT IMPLEMENTATION SUPPORT AND CAPACITY BUILDING (PISCB)

Contract No. ICB/MPWT/PMU/CTDP1/001 between the Ministry of Public Works and Transport and NJS Consultants Co., Ltd. in Joint Venture with CEST incorporated and Key Consultants (Cambodia) Ltd. was signed on October 14, 2016. The consultant began mobilizing the consulting team by November 18, 2016.

Activities of the PISCD Consultant included assisting the PMU with Procurement, Detailed Engineering Design, Strengthening of Institutional Capacity, Environmental Safeguard, Resettlement, Implementation of Gender Action Plan, and Assessment of Project Performance through PPMS.

The PISCB Consultants assisted PMU in the preparation of this Quarterly Report.

3.6 CONSULTING SERVICES

The consulting services will provide support during Project implementation, the following consultants are engaged: (i) Project Implementation Support and Capacity Development (PISCD), (ii) Procurement Specialist, and (iii) Financial Specialist. The Financial and Procurement Specialists, who are directly contracted by the PMU, are responsible for the preparation of quarterly financial management reports, and procurement reports, respectively.



3.7 ADOPTION AND IMPLEMENTATION OF THE SLEDP (OUTPUT 1)

Draft SLEDPs for each town have been prepared based on a technical assessment of potential investments in the strategic context of the GMS economic corridors, and stakeholder consultations and discussion at the provincial and town level, which were all prepared in 2011, were reviewed by relevant Government agencies and provincial authorities and are expected to be adopted by these agencies/authorities by December 2016.

The capacity building program will be managed by the Urban Planning Specialist, who will, in turn, work closely with the DPI/PDPWT/PIUs and the other specialist in the capacity program team. The specialist will also liaise with and consult key community stakeholders and public on important planning issues. The following activities will be performed:

1. Review the recommendations in the SLEDPs so that priorities in the MTIP can be confirmed or adjusted accordingly and that the SLEDPs consider poverty, social and gender issues in its strategic planning. Potential sources of funding from government, donor agencies, the private sector and the communities will be identified with links with these funding sources will be developed and further strengthened. Where appropriate, feasibility studies and plans to support funding requests will be prepared.
2. Make recommendations, prepare plans and work closely with DPUs to achieve the improvement business development climate. In actualizing the recommendations, it is important that such that the plans include organizational frameworks, implementation mechanisms and incentives, as well as measures to increase marketing capacity.
3. Thereafter, prepare training plans for PDPWT/PIUs on improvement business development climate and assist in the implementation of appropriate capacity building to increase marketing capability, taking into account known resource constraints at provincial and town levels.
4. Provide advice and training to improve capacity in urban planning and urban design related issues with the PIUs in both towns. In this connection, training materials will again be prepared.
5. Assist in the preparation of a concept, "Green City Action Plans"

3.8 IMPLEMENTATION OF PRIORITY URBAN INFRASTRUCTURE INVESTMENTS (OUTPUT 2)

The new landfill 50ha at Ou Ouk Nha Heng commune located approximately 1 Km from the existing dump site and managed by Khan Forestry Administration of Provincial Department of Agriculture Forestry and Fishery (PDAFF) has received the approval of, and signed on the map from related institutions, including the Governor of Preah Sihanouk province.

PISCB consultant/design engineers investigated subprojects in Kampot and Sihanoukville, and develop detailed engineering designs (Urban drainage, Solid waste management, Waster water collection and Treatment) will complete in the first quarter of 2018 and then submit to PMU.

It was agreed by the EA and ADB that the criteria for the prioritization of subprojects be based on the importance and urgency of works to be done, and readiness in terms of safeguards requirements and detailed engineering designs. The agreed subprojects, is shown in **Table 3.2**:



**TABLE 3.2
SUBPROJECTS AND READINESS**

Package	Subproject	Readiness
CW01	Kampot Wastewater Collection and Treatment, and Urban Drainage.	CW01a Kampot Wastewater Collection and Treatment including pumping stations and rising mains will be complete in the first quarter of 2018 and then submit to PMU for tendering. Works are nearing completion with the detailed design, drawings and specifications almost complete, final review to be carried out.
		CW01b Kampot Urban Drainage will be complete in the first quarter of 2018 and then submit to PMU for tendering. Works are nearing completion with the detailed design, drawings and specifications almost complete, final review to be carried out.
CW02	Kampot Solid Waste Management.	PIU as well as GDR/MEF continued to resolve on land acquisition of a new proposed landfill site in Kampot.
CW03	Sihanoukville Urban Drainage	Urban Drainage will plan to complete in the first quarter of 2018 and then submit to PMU.
CW04	Sihanoukville Solid Waste Management	SHV-PIU provided supporting documents on the proposed land site for landfill located in Ouknha Heng commune and received the approving and signed on the map from related institution including Governor of Preah Sihanouk province. SHV-PIU agreed to the selected the route of the access road that connected from existing dump site to the new proposed landfill site.

3.9 STRENGTHENING OF INSTITUTIONAL CAPACITY

The capacity development program is intended to ensure smooth implementation of urban infrastructure and to provide sustainable capacity development. The contract with NJS Consultants Co., Ltd in Joint Venture with CEST Incorporated and Key Consultants (Cambodia), Ltd. was signed on 14 October 2016.

During the reporting period, PISCB capacity building and training specialists conducted training needs assessment (TNA) workshop and meetings with stakeholders in Kampot and Sihanoukville, drafted evaluation of training course and preparing TNA report. The capacity development program is intended to ensure smooth implementation of urban infrastructure and to provide sustainable capacity development. This capacity building will cover three key areas and in each of these areas are listed in **Table 3.3**.

**TABLE 3.3
OVERVIEW OF CAPACITY BUILDING AREAS**

Area 1	Implementation and O&M for project investments
1.1	Lessons Learned
1.2	Assistance to Managed Landfill O&M
1.3	Simplified Business Development Plans



1.4	Revenue Improvement Action Plans
1.5	Physical Assets Management
1.6	Improving Business Climate for SSPs
Area 2	Sustainable Livelihoods Development and Community Awareness
2.1	Skills Development
2.2	Improving Community Awareness
Area 3	Refinement and Implementation of SLEDPs
3.1	SLEDP Implementation



SECTION 4 PROJECT PERFORMANCE

4.1 GENERAL

Project performance M&E includes tracking progress from the baseline situation against the targets and the indicators identified in the DMF, and assessing progress toward achieving the respective result level outputs and outcome.

In this Project, although outputs and outcome will be achieved only as subprojects are completed (some of the subprojects sooner, others later; some fully, others partly), it is necessary to assess the likelihood or degree of the achievement of outputs and outcome already during implementation. The subjectivity of the judgments involved can be reduced by taking into account the implementation progress and, equally important, by realistically reassessing the risks that affect outputs and development objectives.

4.2 ASSESSMENT OF RISKS

Risks are the external factors which cannot be controlled by the project manager or the executing agencies, but which influences the success of project implementation. These are identified in the DMF. The assessment of risks is presented in **Appendix 6**.

4.3 PROJECT PERFORMANCE AGAINST THE TARGETS SET OUT IN THE DMF

M&E of performance indicators involves the tracking and assessment of the degree of attainment and sustainability of Project outputs and outcome by comparing actual performance and project implementation plan, as measured by its corresponding indicator, to the baseline and performance target.

The Project's performance against the targets set out in the DMF is reported in **Appendix 7**. As of 31 December 2017, assessments of progress toward achieving Outputs 1 are being carried out since the activities toward attaining these outputs have commenced and are ongoing, Outputs 2, Outputs 3 and Outputs 4 has not yet implemented, Outcome, however, can only be assessed upon completion of subprojects and during their operation.

4.4 PROJECT IMPLEMENTATION AND PERFORMANCE M&E FRAMEWORK MATRIX

Project Implementation M&E Framework Matrix and Project Performance M&E Framework Matrix are designed based on the Design and Monitoring Framework, M&E framework matrix are shown in **Appendix 8**.



SECTION 5 COMPLIANCE WITH SAFEGUARDS AND COVENANTS

5.1 ENVIRONMENTAL SAFEGUARDS

There were activities related to Environmental Safeguards during Q4 2017. The PISCD Environment Specialists was mobilized in the 4th quarter to undertake the following activities:

- Environmental Specialists, Team Leader, and DTL attended meeting with ADB's Environmental Specialist (Ms. Gen) to clarify scope of updated EMP, IEE, environmental and ecological survey of new landfill site in Sihanoukville, and rapid assessment on WWTP site in Kampot, date 2 October 2017.
- The environmental specialists finished field survey and screening of environmental issues concerning to subproject (WWTP, pumping station, landfill site, and drainage) sites in both towns Kampot and Sihanoukville.
- The revised Environmental Report was submitted to ADB and found to be unacceptable and it is anticipated the preparation and submission of the IEIA reports for MOE will remedy the defects.
- Final draft of environmental assessment reports of Kampot and Sihanoukville works, apart from the Solid Waste Disposal subprojects have been prepared and once reviewed and revised by team leader they will be submitted to ADB.

Areas of specific concern were raised by the ADB during the Mission of August 25 – 29, 2017. These are:

- ADB Environmental Approvals: There is a need to update the Initial Environmental Examination (IEE) and the Environmental Management Plan (EMP) as the works progress. PISCB will be carrying out these activities in the near future.
- Ministry of Environment Approvals: There is need to carry out an Initial Environmental Impact Assessment (IEIA) by an approved environmental specialist in Cambodia. Quotations for this work have been obtained and have been included in Variation Order No.2.
- Landfill Proposals: The construction of new and closing of existing landfill sites needs to meet the requirements of the Cambodian regulations for the siting of these and acceptable international practice for both construction and closing. PISCB have mobilized their International expert who is liaising with the National expert.
- Changes in Sub-Project Sites: There is a need to carry out environmental assessments at the WWTP site in Kampot giving due regard to the proposed holiday camp located in an adjacent area. The landfill site in Sihanoukville also needs an environmental assessment giving due regards to the ecology and wildlife in the selected area. The PISCB consultant will be mobilizing their International and National experts early in the fourth quarter of 2017.
- Informal Waste Pickers: There is a need to consider both the health and safety issues and resettlement when considering the works/sites. This will be given due



consideration by the PISCB consultant once firm decisions on the site have been made.

- Grievance Address Mechanism: This will be developed as required.
- Semi-Annual Environmental Monitoring Reports: These are only required once construction works have commenced. The environmental assessment and monitoring plans and documents will be included in the contract documentation.
- Climate Change: There is a need to consider the impact of possible climate change in the designs of the works. This is being given due consideration during the design of the works.

5.2 RESETTLEMENT

The International and National Resettlement Specialists were mobilized in Q2 of 2017. The PISCD Social Safeguards and Resettlement Specialists have carried out field investigations on subproject sites and have held meetings and discussions with PMU, IRC/MEF about the resettlement policy. A start has been made on drafting the Kampot and Sihanoukville resettlement plans and preparing an affected household's database and updated resettlement report. During the reporting period the Resettlement Specialists were undertaken resettlement activities as following:

- Conducting resettlement impact verification at Kampot subprojects.
- Prepare list of affected households and affected properties/asset
- Prepared Resettlement Report of Kampot subproject for attachment to bidding document.

Summary number AHs, type of affected assets and trees by Commune/Sangkat is indicated in Table 5.1 below:



TABLE 5.1
SUMMARY NUMBER AHS, TYPE OF AFFECTED ASSETS AND TREES

Summary No. of AHS by Commune/Sangkat for Kampot Subproject			
District/Town	Commune/Sangkat	No. of AH	Percent
Kampot Town	Kampong Kandal	4	11.76
	Andong Khmer	11	32.35
Teuk Chhou	Trapeang Thom	10	29.41
	Chum Kreal	9	26.47
TOTAL		34	100.00

Summary Type of Affected Assets by Commune/Sangkat for Kampot Subproject							
District/Town	Commune/Sangkat	Primary Structure			Secondary Structure		
		House	Entirely	Partial	Kitchen, Fence	Entirely	Partial
Kampot Town	Kampong Kandal	4	3	1	1	1	0
	Andong Khmer	4	0	4	7	2	5
Teuk Chhou	Trapeang Thom	0	0	0	10	0	10
	Chum Kreal	6	6	0	1	1	0
TOTAL		14	9	5	19	4	15

Summary Type of Affected Trees by Commune/Sangkat for Kampot Subproject				
District/Town	Commune/Sangkat	Type of Trees		
		Coconut	Mango	Sour Sop
Kampot Town	Kampong Kandal	0	2	1
	Andong Khmer	20	10	0
Teuk Chhou	Trapeang Thom	20	2	0
	Chum Kreal	3	0	0
TOTAL		43	14	1

5.3 IMPLEMENTATION OF GENDER ACTION PLAN

The International and National Social development and Gender Specialists mobilized in Q4 of 2017. The PISCD Social development and Gender Specialists updated the implementation gender action plan and carry out the following activities:

- At the project detailed design phase to provide technical leadership related to the proposed subproject components from the social development and gender perspectives; commencing with a review and reconfirmation of the subproject components developed during project preparation in close association with the PMU/PIUs;
- Include in the contract documentation the need for the contractor to follow the ADB GAP policy;
- Review the SPRSS and the GAP prepared under the PPTA and their application in the two subprojects and specifically working with the PIUs and the project affected communities in providing advice on implementing the GAP, including reference to: (i) coordinating gender development with sector/technical issues; (ii) gender sensitive communication; (iii) equal access to training and capacity development; and (iv) mentoring issues;
- Work closely with the PIUs in both project towns and support them in implementing the activity plans that constitute part of the SPRSS/GAP. This will include, but not be limited to refining training and capacity building activities for the PIUs, with particular reference to support for implementation of the project loan;



- Coordinate with the project resettlement specialists regarding the livelihood and social development aspects of the resettlement action plans, and advising the PIUs on a training needs assessment of impacted households, including disaggregation of livelihoods by gender;
- Gather information on GAP implementation progress and indicate results in a Gender Field Report and prepare progress report of GAP; Gender action plan are shown in **Appendix 9**.
- Prepare and conduct the gender awareness and sensitization training for project beneficiaries in Kampot and Sihanoukville.

5.4 STATUS OF COMPLIANCE WITH LOAN COVENANTS, AND RISK ASSESSMENT AND RISK MANAGEMENT PLAN

There are 16 key loan covenants, out of which eight (8) are complied with, four (4) are compliance ongoing, and four (4) are not yet due for compliance. The list of covenants under relevant categories and their status of compliance as of December 31, 2017 is provided in **Appendix 10**.

The status of compliance with the Risk Assessment and Risk Management Plan is presented in **Appendix 11**.



SECTION 6 MAJOR PROJECT ISSUES AND PROBLEMS, AND ACTIONS TAKEN

The major project issues and problems encountered, and actions taken during Q4 2017 were:

Issues/Problems	Action Taken
Kampot	
New proposed landfill site has not been acquired yet.	Acquisition of the new proposed landfill site (by PISCB) (17.2ha) cannot be resolved. A new other landfill site will acquire for landfill site from GDR/MEF as well as PIU.
No access road to the existing 2.9ha pumping station site in Kampot	Cooperation among the KP-PIU, city hall and commune chief in Kampot is needed to discuss on the proposed access road. GDR are currently negotiating with the owner of the land over which the access road will pass.
Sihanoukville	
New proposed landfill site in SHV the environmental survey team found two mark-columns in the project site. Based on this mark it means that some people may be considering occupying the proposed landfill site allocated for the project	SHV-PIU and the Governor's Office need to confirm to the local authority such as district, commune, and village chief for approval of the land for the managed landfill. Thus, more disclosure of the project information to the local people to not encroach to the approved landfill site is needed. The PIU should make weekly visits to the landfill site to ensure construction of properties, or use of the land, is not made by other people. It would be prudent from the PIU to either fence the land construct marker posts to delineate the land as soon as possible.



SECTION 7 ACTIVITIES FOR THE NEXT QUARTER

TABLE 7.1
WORK PLAN FOR NEXT QUARTER (1ST QUARTER 2018)

Main Task	Activities to be Carried out	Responsible
Detailed Engineering Design (Three subprojects in KP&SHV)	Kampot Wastewater Collection and Treatment should be completed by the end of January 2018 Kampot Urban Drainage should be completed by the end of January 2018 Sihanoukville Urban Drainage will be completed at the end of February 2018 Detailed Engineering Design (Three subprojects in KP&SHV) will submit to PMU as soon as complete	PISCB consultant/design engineers
Detailed Engineering Design (two solid waste management subprojects)	Sihanoukville solid waste management could be completed by the end of March 2018 but is subject to approval of the proposed site Kampot solid waste management can only commence once land is made available	PISCB consultant/design engineers
Environmental Assessment	Final draft and completed version of environmental assessments on the wastewater collection and treatment, and urban drainage will be submitted	PISCB
BoQ and Specification for two subprojects	Prepared BoQ and specification for bidding documents of two subprojects in Kampot town (Wastewater and Drainage System) will be completed in January 2018	PISCB
New landfill site in Kampot	Follow up with PIU, PMU and GDR on land acquisition of new landfill site.	PISCB
GAP Activities	Prepare questionnaire for updating socio-economic profile of project beneficiaries in the town/villages of Sihanoukville and Kampot and consultation guide for women about their issues/ concerns, needs and aspirations about the project. Design and assist the PIUs in the implementation of appropriate additional socio-economic and other relevant surveys in each town, with data disaggregated by sex, ethnicity, and income. Follow-up Orientation Training /capacity development on GAP implementation in overall project implementation for PMU/PIU /PISCB.	PISCB
Resettlement	Final Draft of Resettlement Report is expected to be supplied to the team leader. Participated with PRSC for conduct DMS Participated to Conduct consultation meeting with affected persons with IRC working group, local	PISCB/PMU



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Main Task	Activities to be Carried out	Responsible
	authorities and affected person (Aps)	
Others	Prepare monthly report for PMU Prepare 2 nd quarter 2018 report	PISCB



APPENDIX 1
KEY MEMBERS OF PROJECT MANAGEMENT UNIT
AND PROJECT IMPLEMENTATION UNITS

1.Key Members of Project Management Unit

No.	Name of member	Role and responsibility
1	H.E. Vong Pisith	Project Director
2	Mr. Pou Manith	Responsible for Procurement
3	Miss. Chhoun Sovady	Responsible for Financial
4	Mr. Eang Daravuth	Responsible for Technical
5	Mr. Nop Keilarith	Responsible for Social and Environment
6	Mr. Vong Rada	Responsible for Urban Planning
7	Mr. Eab Visoth	Responsible for Resettlement
8	Mr. Chok Borith	Responsible for Administration

2.Key Members of Project Implementation Units

No.	Description	Position	Role and responsibility
A	Kampot PIU		
1	Mr. Thorn Saravuth	Deputy director of DPWT	Chief PIU
2	Mr. Veth Vathana	Chief of multi-sector office of provincial hall	Vice chief PIU
3	Mr. Tauch Channserayboth	Officer of DPWT	Responsible for Technical
4	Mr. Seth Kosal	Officer of DPWT	Resp. for Technical
5	Miss. Tauch Meakthoura	Officer of DPWT	Resp. for Financial
6	Mr. Pov Vanntha	Officer of DPWT	Resp. for Urban Planning
7	Mr. Seng Vutha	Deputy governor of Kampot City	Resp. for Administration
8	Miss. Tho Phearun	Officer of multi-sector office of provincial hall	Resp. for Social & Environment
9	Mr. Ith Sary	Vice chief office of provincial hall	Resp. for Solving Impact
B	Preah Sihanouk PIU		
1	Mr. Nop Heng	Director of DPWT	Chief PIU
2	Mr. Chrea Tharavuth	Deputy director of DPWT	Vice chief PIU
3	Mr. Lim Sran	Deputy director of DPWT	Responsible for Technical
4	Mr. Chrea Thavrith	Officer of DPWT	Resp. for Technical
5	Mr. Heng Bunthean	Officer of DPWT	Resp. for Financial
6	Mr. Pich Pheary	Officer of DPWT	Resp. for Urban Planning
7	Mr. Yos Chamnan	Officer of DPWT	Resp. for Administration
8	Mr. Nhem Sidoeun	Officer of DPWT	Resp. for Social & Environment
9	Mr. Soun Sopheap	Officer of provincial hall	Resp. for Solving Impact



APPENDIX 2 OVERALL PROJECT IMPLEMENTATION PLAN

Key Milestones	Project Implementation Schedule (Review of January 2018)																													
	Dates			2017												2018													Midterm Review	
	Duration	Start	Complete	Q4	1st Quarter			2nd Quarter			3rd Quarter			4th Quarter			1st Quarter			2nd Quarter			3rd Quarter			4th Quarter				
Project Component				4	Jan	Feb	March	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec		
PISCB Consulting																														
A. Kampot – All Subproject Components																														
Contract CW1a - Wastewater Treatment Plant & Pumping Stations (ICB)																														
1A. Detailed Engineering Design																														
a. Topographic Surveys																														
b. Geotechnical Testing																														
c. Preliminary Design																														
d. Detailed Design																														
e. Tender Documents																														
f. Environmental Issues																														
Presentation of Detailed Design to PMU			31/01/18																											
Submission of Draft Bidding Documents to ADB			01/04/18																											
ADB Review & Issue of No-Objection	9	03/04/18	12/04/18																											
Approval of Bid Invitation, Avertising, Bidders EOI, etc	17	13/04/18	30/04/18																											
1A.2. Bidding and Award																														
Issue & Return Bidding Documents	43	01/05/18	13/06/18																											
Assist in Responding to Bidder's Queries	43	01/05/18	13/06/18																											
Bid Opening			14/06/18																											
Preparation of Bid Evaluation Report & Submit to ADB	61	15/06/18	15/08/18																											
Assist in Evaluation of Bids	61	15/06/18	15/08/18																											
ADB Review & Issue of No-Objection	18	16/08/18	03/09/18																											
Notification of Contract Award	21	04/09/18	25/09/18																											
1B.3. Construction and Implementation	547	25/09/18	25/03/20																											
Contract CW1b - Drainage & Sewerage - (ICB)																														
1B.1. Detailed Engineering Design																														
a. Topographic Surveys																														
b. Geotechnical Testing																														
c. Preliminary Design																														
d. Detailed Design																														
e. Tender Documents																														
f. Environmental Issues																														
Presentation of Detailed Design to PMU			22/12/17																											
Submission of Draft Bidding Documents to ADB			31/01/18																											
ADB Review & Issue of No-Objection	9	02/02/18	11/02/18																											
Approval of Bid Invitation, Avertising, Bidders EOI, etc	17	12/02/18	01/03/18																											
1B.2. Bidding and Award																														
Issue & Return Bidding Documents	43	02/03/18	14/04/18																											
Assist in Responding to Bidder's Queries	43	02/03/18	14/04/18																											
Bid Opening			15/04/18																											
Preparation of Bid Evaluation Report & Submit to ADB	61	16/04/18	16/06/18																											
Assist in Evaluation of Bids	61	16/04/18	16/06/18																											
ADB Review & Issue of No-Objection	18	17/06/18	05/07/18																											
Notification of Contract Award	21	06/07/18	27/07/18																											
1B.3. Construction and Implementation	547	27/07/18	25/01/20																											
Contract CW2 - Solid Waste Management - (NCB)																														
ON HOLD																														



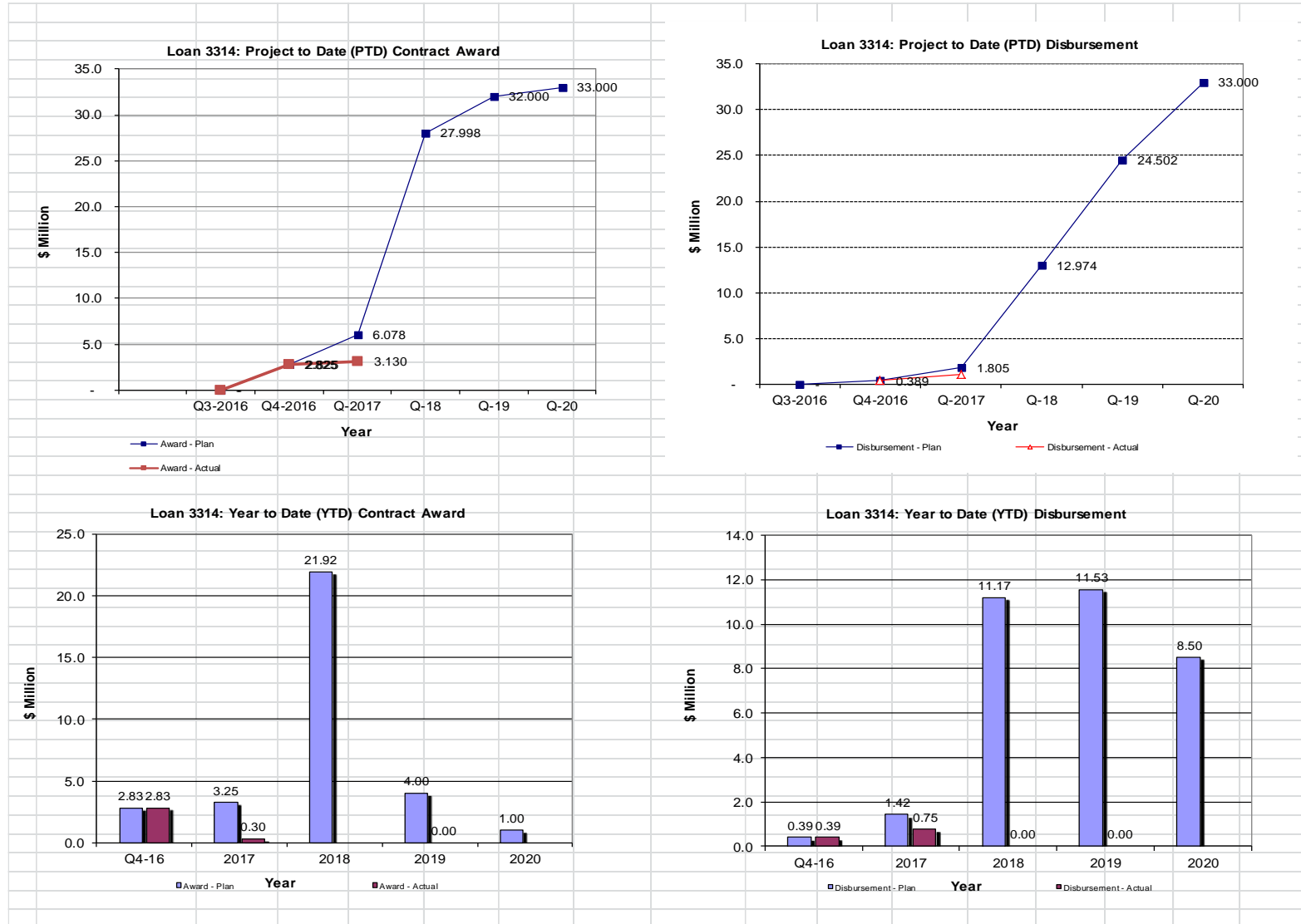
B. Sihanoukville – All Subproject Components																		
Contract CW3 - Drainage - (ICB)																		
3.1. Detailed Engineering Design																		
1a. Topographic Surveys																		
1b. Geotechnical Testing																		
1c. Preliminary Design																		
1d. Detailed Design																		
1e. Tender Documents																		
Presentation of Detailed Design to PMU	28/02/18																	
Submission of Draft Bidding Documents to ADB	01/04/18																	
ADB Review & Issue of No-Objection	9	03/04/18	12/04/18										July	Aug	Sept	Oct	Nov	Dec
Approval of Bid Invitation, Avertising, Bidders EOI, etc	17	13/04/18	30/04/18															
3.2. Bidding and Award																		
Issue & Return Bidding Documents	43	01/05/18	13/06/18															
Assist in Responding to Bidder's Queries	43	01/05/18	13/06/18															
Bid Opening		14/06/18																
Preparation of Bid Evaluation Report & Submit to ADB	61	15/06/18	15/08/18															
Assist in Evaluation of Bids	61	15/06/18	15/08/18															
ADB Review & Issue of No-Objection	18	16/08/18	03/09/18															
Notification of Contract Award	21	04/09/18	25/09/18															
3.3. Construction and Implementation			730	25/09/18	24/09/20													
Contract CW4 - Solid Waste Management - (NCB)																		
4.1. Detailed Engineering Design																		
a. Topographic Surveys																		
b. Geotechnical Testing																		
c. Preliminary Design																		
d. Detailed Design																		
e. Tender Documents																		
f. Environmental Issues																		
ON HOLD																		
Presentation of Detailed Design to PMU	24/12/17																	
Submission of Draft Bidding Documents to ADB(excluding BoQ)	31/12/17																	
Submission of Draft Bidding Documents to ADB		15/01/18																
ADB Review & Issue of No-Objection	9	15/01/18	24/01/18										July	Aug	Sept	Oct	Nov	Dec
Approval of Bid Invitation, Avertising etc	7	25/01/18	01/02/18															
4.2. Bidding and Award																		
Issue & Return Bidding Documents	30	02/02/18	04/03/18															
Assist in Responding to Bidder's Queries	30	02/02/18	04/03/18															
Bid Opening		05/03/18																
Preparation of Bid Evaluation Report & Submit to ADB	46	06/03/18	21/04/18															
Assist in Evaluation of Bids	46	06/03/18	21/04/18															
ADB Review & Issue of No-Objection	11	22/04/18	03/05/18															
Notification of Contract Award	14	04/05/18	18/05/18															
4.3. Construction and Implementation			547	18/05/18	16/11/19													
Note:																		
▲ Milestone																		
— Originally Envisaged/Actual Activity																		
— Originally Planned																		
— Currently Envisaged Activity																		



Key Milestones				Loan Closing											
Project Component	Dates			2019				2020				2021			
	Duration	Start	Complete	1	2	3	4	1	2	3	4	1	2	3	4
PISCB Consulting				[Timeline bar from Q1 2019 to Q2 2021]											
A. Kampot – All Subproject Components															
Contract CW1a - Wastewater Treatment Plant & Pumping Stations (ICB)															
1A.2. Bidding and Award		01/04/2018	25/09/2018												
1A.3. Construction and Implementation	547	25/09/2018	25/03/2020	[Timeline bar from Q3 2018 to Q3 2020]											
Contract CW1b - Drainage - (ICB)															
1B.2. Bidding and Award		31/01/2018	27/07/2018												
1B.3. Construction and Implementation	547	27/07/2018	25/01/2020	[Timeline bar from Q3 2018 to Q1 2020]											
Contract CW2 - Solid Waste Management - (NCB)															
4. Restoration of Dumpsite				[Timeline bar from Q3 2019 to Q3 2020]											
ON HOLD															
B. Sihanoukville – All Subproject Components															
Contract CW3 - Drainage - (ICB)															
3.2. Bidding and Award		01/04/2018	25/09/2018												
3.3. Construction and Implementation	730	25/09/2018	24/09/2020	[Timeline bar from Q3 2018 to Q3 2020]											
Contract CW4 - Solid Waste Management - (NCB)															
ON HOLD															
4.2. Bidding and Award		31/12/2017	18/05/2018												
4.3. Construction and Implementation	547	18/05/2018	16/11/2019	[Timeline bar from Q2 2018 to Q3 2019]											
Note:															
	Milestone														
	Originally Envisaged/Actual Activity														
	Originally Planned														
	Currently Envisaged Activity														



APPENDIX 3 MASTER SPREADSHEETS CAD PROJECT TO DATE AND YEAR TO DATE





APPENDIX 4
SUMMARY OF SUBPROJECT COMPONENTS AND COST ESTIMATE

Item	Description	Unit	Feasibility Study		Current stage (Preliminary design)	
			Quantity	Cost Estimate in Million US\$	Quantity	Cost Estimate in Million US\$
Subprojects in Kampot Town				14.56		20.40
1.	Urban Drainage Subproject: Primary Storm Water Drains	Km	7.83	1.81	10.83	2.10
2.	<u>Sewerage Subproject</u>			9.74		14.70
	Sewers					
	Trunk sewer (200-400mm)	Km	11.18		16.97	
	- Manhole	pcs	0		355	
	Collector main	Km	11.40		10.93	
	- Rodding riser	pcs	0		263	
	- Inspection Chamber	pcs	0		115	
	- Manhole	pcs	0		250	
	House connection	HH	2,700		2,700	
	- Connection pipe	Km	0		16.20	
	Pump Stations	pcs	3		3	
	Force Main (from all pump station) WWTP (4,500 m ³ /d)	Km Ha	4.48 6.1		8.35 10.1	
3.	Solid Waste Subproject: Managed Landfill and closure existing dump site	Ha	17.2	3.01	17.2	3.60
Subprojects in Sihanoukville Town				12.58		23.38
1.	Urban Drainage Subproject: Primary Storm Water Drains	Km	64.1	9.68	56,34	16.50
2.	Solid Waste Subproject: Managed Landfill and closure existing dump site	Ha	15	2.90	15	6.88



APPENDIX 5
PROCUREMENT PLAN
Civil Works Contracts Estimated to Cost \$1 Million or More

Package Number ⁵	General Description	Estimated Value	Procurement Method	Review [Prior/Post]	Bidding Procedure	Advertisement Date (quarter/year)	Comments ⁷
<u>Kampot</u>							
CW01a	Wastewater Collection and Treatment	5.99	ICB	Prior	1S1E	2/2018	No PQ; large works bidding documents Domestic Preference
CW01b	Drainage & Sewerage	8.40	ICB	Prior/Post	1S1E	1/2018	No PQ; large works bidding documents Domestic Preference
CW02	Solid Waste Management	2.47	NCB	Prior/Post	1S1E	ON HOLD	SOP
<u>Sihanoukville</u>							
CW03	Urban Drainage	9.68	ICB	Prior	1S1E	1/2018	No PQ; large works bidding documents Domestic Preference
CW04	Solid Waste Management	2.59	NCB	Prior/Post	1S1E	1/2018	SOP

1S1E = single stage-one envelope; ICB = international competitive bidding; NCB = national competitive bidding; PQ = prequalification; SOP = Standard Operating Procedure



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

Goods and Works								
Package Number ⁵	General Description	Estimated Value	Number of Contracts	Procurement Method	Review [Prior/Post]	Bidding Procedure	Advertisement Date (quarter/year)	Comments ⁷
G01	Equipment for solid waste management.	0.61	1	NCB	Prior/Post		2/2017	SOP
G02	Supply of 3 units 4WD Double Cabin Pick up Vehicles	0.12	1	NCB	Prior		1/2017	SOP
G03	Office Equipment (PMU/PIU)	0.023	1	Shopping	Post		1/2017	Shopping without advertising per SOP; Awarding in 1/2017
G04	Office Furniture	0.021	1	Shopping	Post		1/2017	Shopping without advertising per SOP; Awarding in 1/2017
CW5	Office Repair Kampot PIU	0.014	1	Shopping	Post		1/2017	Shopping without advertising per SOP; Awarding in 1/2017
CW06	Office Repair Sihanoukville PIU	0.008	1	Shopping	Post		1/2017	Shopping without advertising per SOP; Awarding in 1/2017

NCB = national competitive bidding; PQ = prequalifications; SOP = Standard Operating Procedure

2. Consultant Services Contracts

Consulting Services								
Package Number	General Description	Estimated Value	Number of Contracts	Recruitment Method	Review (Prior / Post)	Advertisement Date (quarter/year)	Type of Proposal	Comments
CS2	Finance Specialist	0.065	1	ICS	Prior	1/2017	EOI	National Assignment
CS3	Procurement Specialist	0.065	1	ICS	Prior	1/2017	EOI	National Assignment

Consulting Services							
Package Number	General Description	Estimated Value	Awarded Contract Value	Recruitment Method	Advertisement Date (quarter/year)	Date of ADB Approval of Contract Award	Comments
CS01	Project	3.58	2.83 M	QCBS	4Q 2015	13 October	



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	Implementation Support, Detailed Design, Construction Supervision (Package 1) and Capacity Building (Package 2)					2016	
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APPENDIX 6 ASSESSMENT OF RISKS

MONITORING AND EVALUATION OF RISKS Second GMS: Economic Corridor Towns Development Project

M&E Form no. 7A
Version: June 2015

Reporting Date: 31 December 2017 Prepared by: Chris Dunn; Consultant Team Leader
[Quarterly] [PMU/PIUs]

Risk for Outputs	Mitigated (Y/N)	Rating (HS,S,PS,U)	Assessment of Current Status
1. Delay in project start-up and implementation.	Y	S	Early project implementation was largely on track
2. Irregularities in procurement and financial management.	Y	S	PRC established in 22.10. 2014. DFEC signed for each transaction, and copies of DFEC of winning bidders made part of awarded contracts
3. Potential archeological finds could cause delays.	Y	S	No potential archeological finds in subproject areas to date
4. In Kampot the site for the Land Fill aspects is not available	?	U	Alternative site located by PISCB consultant and GDR informed by PMU
5. In Sihanoukville land for the Land Fill aspects possibly within environmentally sensitive area	?	U	Environmental assessment carried out but deemed inadequate
6. In Kampot the site for the WWTP is adjacent to a holiday camp currently under construction	?	U	Environmental assessment carried out taking into account proximity of holiday camp

a/ HS = Highly Satisfactory; S = Satisfactory; PS = Progressing Satisfactorily; U = Unsatisfactory



MONITORING AND EVALUATION OF ASSUMPTION AND RISKS
Second GMS: Economic Corridor Towns Development Project

M&E Form no. 7B
June 2015

Reporting Date: 31 December 2017 Prepared by: Chris Dunn; Consultant Team Leader
[Quarterly] [PMU/PIUs]

Risk for Outcome			Rating (HS,S,PS,U)	Assessment of Current Status
Risks:		Mitigated (Y/N)	Rating (HS,S,PS,U)	Assessment of Current Status
1.	Lack of capacity for project implementation and management.	Y	S	Specific training will be provided to all staff of executing & implementing agencies & project implementing units
2.	Lack of financial sustainability due to non-cost recovery tariffs.	Y	S	O&M of infrastructure by provincial agencies was strengthened and financed by the ADB loan.

a/ HS = Highly Satisfactory; S = Satisfactory; PS = Progressing Satisfactorily; U = Unsatisfactory



APPENDIX 7 DMF TARGETS VS ACHIEVEMENTS

PROJECT PERFORMANCE MONITORING AND EVALUATION
Second GMS: Economic Corridor Towns Development Project

M&E Form no. 8A
September 2017

Reporting Date: 30 September 2017 [Quarterly]

Prepared by: C M Dunn: Consultant Team Leader
[PMU/PIU member in-charge of M&E/Impact Assessment]

Indicators (with Baseline and Performance Targets)	Baseline	Achievements/Status (as of end of reporting period)	Assessment of Current Progress/ Status & Reason for any Negative Variance
Output 1: The SLEDPs developed			
SLEDPs endorsed by the participating provinces and towns (2015 baseline: final draft SLEDPs completed)	SLEDP of each town prepared in 2015	SLEDPs adopted by December 2016	
Output 2: Priority urban infrastructure investments implemented			
2.1 At least 30% of unskilled laborers employed in subproject construction are women. At least 30% of staff employed in operation and maintenance are women. At least 75% of all unskilled laborers or staff are of local origin (2015 baseline: N/A) <i>[Updates from CS Consultant and from infrastructure operator during operation from Q3 2018 to Q4 2021 onward]</i>	Nil, as construction starts Q3 2018		Assessment to start from commencement of construction in Q3 2018 up to Q4 2021. Social Development to be mobilised in mid to late October 2017
2.2 Wastewater treatment capacity of 4,500 cubic meters/day added in Kampot through construction of one new wastewater treatment plant (2015 baseline: 0) <i>[Updates from CS Consultant upon completion of infrastructure in Q4 2020]</i>	Nil		Assessment to start upon completion of construction of WWTP in Q4 2020.
2.3 15.6 km of drainage trunk mains and 11.4 km of drainage collection mains constructed in Kampot (2015 baseline: 0) <i>[Updates from CS Consultant upon completion of infrastructure in Q4 2020]</i>	Nil		Assessment to start upon completion of construction of drainages in Q4 2020.



Indicators (with Baseline and Performance Targets)	Baseline	Achievements/Status (as of end of reporting period)	Assessment of Current Progress/ Status & Reason for any Negative Variance
2.4 2,700 new connections in Kampot for wastewater provided with free connection costs (2015 baseline: 0) <i>[Updates from CS Consultant upon completion of infrastructure in Q4 2020, and from infrastructure operator during operation from Q1 2021 onward]</i>	Nil		Assessment to start upon completion of construction of WWTP in Q4 2020 onwards.
2.5 7.9 km of separated primary storm water drains are constructed or upgraded in Kampot and 64.1 km in Sihanoukville. (2015 baseline: 0) <i>[Updates from CS Consultant upon completion of infrastructure in Q4 2020]</i>	Nil		Assessment to start upon completion of construction of storm water drains in Q4 2020.
2.6 In Kampot, a new managed landfill is made operational (2015 baseline: N/A). <i>[Updates from CS Consultant upon completion of infrastructure in Q4 2020]</i>	Nil		Assessment to start upon completion of construction of landfill in Q4 2020.
2.7 In Sihanoukville, the existing dump site is upgraded with improved operations (2015 baseline: N/A). <i>[Updates from CS Consultant upon completion of infrastructure in Q4 2020]</i>	Nil		Assessment to start upon completion of construction of landfill in Q4 2020. Q2 2017, SHV-PIU provided supported documents on proposed land site for landfill.
2.8 8,100 households provided with new or improved solid-waste management collection in Kampot (3,330 households) and Sihanoukville (4,770 households) (2015 baseline: N/A) <i>[Updates from CS Consultant upon completion of infrastructure in Q4 2020, and from infrastructure operator during operation from Q1 2021 onward]</i>	The baseline value for the indicator is “nil” since subproject is construction of new facilities		Assessment to start upon completion of construction of new or improved facilities in Q4 2020 onwards.
2.9 100% of informal waste pickers near existing dump sites (2015 baseline: 160 persons) ensured continued access to the landfill and alternative livelihood skills training (2015 baseline: N/A) <i>[Updates from TIC, from Q3 2017 to Q1 2020]</i>	waste pickers(2015 baseline: 160 persons) and alternative livelihood skills training (2015 baseline: 0)		Training Need Assessment (TNA) was conducted in SHV and KP (Apr and May 2017)
Output 3: Institutional capacities for managing public investments strengthened			



Indicators (with Baseline and Performance Targets)	Baseline	Achievements/Status (as of end of reporting period)	Assessment of Current Progress/ Status & Reason for any Negative Variance
3.1 At least 20 persons (30% female) trained in key project management areas (2015 baseline: N/A) <i>[Updates from TIC, from Q3 2017 to Q1 2020]</i>	Nil	ADB Gap video conference attended Need to include ADB GAP requirements in contract documentation appreciated	Training Need Assessment (TNA) was conducted in SHV and KP (Apr and May 2017)
3.2 At least 100 persons (50% female) trained on gender sensitization training for community leaders, government officers, and consultants involved in project implementation and delivery (2015 baseline: N/A) <i>[Updates from TIC, from Q3 2017 to Q1 2020]</i>	Nil	PISCB Social Development specialist to be mobilized in October 2017	Training Need Assessment (TNA) was conducted in SHV and KP (Apr and May 2017)
3.3 Project implementation units shall target recruitment of 30% female staff, including 20% in decision-making positions (2015 baselines: N/A).	Nil (Before Project)	12%	As of Q2 2017, women hold 12% of overall staff positions in PMU & PIUs
Output 4: Community awareness on project activities and environmental sustainability improved			
At least 10 community awareness and dissemination campaigns covering environmental sustainability and conservation themes conducted with equal participation by men and women (2015 baseline: N/A) <i>[Updates from TIC, from Q3 2017 to Q1 2020]</i>	Nil		
Outcome : Improved urban services in the two participating towns			
1. 2,700 households and businesses serviced by new and improved wastewater collection and treatment facilities in Kampot <i>[Updates from CS Consultant upon completion of infrastructure in Q4 2020, and from infrastructure operator during operation from Q1 2021 onward]</i>	Nil		Assessment to start upon completion of construction of drainages in Q4 2020 onwards.
2. 8,100 households serviced by improved solid-waste collection in the two towns <i>[Updates from CS Consultant upon completion of infrastructure in Q4 2020, and from infrastructure operator during operation from Q1 2021 onward]</i>	Nil		Assessment to start upon completion of construction of drainages in Q4 2020 onwards.



Indicators (with Baseline and Performance Targets)	Baseline	Achievements/Status (as of end of reporting period)	Assessment of Current Progress/ Status & Reason for any Negative Variance
3. 3,765 households with reduced flood risks in both towns <i>[Updates from CS Consultant upon completion of infrastructure in Q4 2020, and from infrastructure operator during operation from Q1 2021 onward]</i>	Nil		Assessment to start upon completion of construction of drainages in Q4 2020 onwards.



APPENDIX 8 PROJECT IMPLEMENTATION AND PERFORMANCE M&E FRAMEWORK MATRIX

Project Implementation M&E Framework Matrix

Activities <i>(Col. 1)</i>	Data Sources/ Means of Verification <i>(Col. 2)</i>	Data Collection Method/Forms <i>(Col. 3)</i>	Timing & Frequency of Data Collection <i>(Col. 4)</i>	Responsible Person/Agency for Data Collection <i>(Col. 5)</i>
Output 1: The SLEDPs developed				
1.1 Participating provinces and towns endorse SLEDPs by Q2 2016	Executive agencies' copies of Letters of Endorsement by participating provinces and towns.	Validation with implementing agencies	Q2 2016	PMU / PIU supported by PISCB Social Development & Gender Specialist (SDGS)
Output 2: Priority urban infrastructure investments implemented				
2.1 Complete detailed engineering designs by Q4 2016	PISCB DED Team's progress reports	Updates from DED Team using M&E form no. 1A	Monthly (Apr - Nov 2017)	PMU supported by PISCB
2.2 Complete land acquisition and resettlement by Q4 2016	PISCB Resettlement Specialist progress reports On-site verification	Updates from Resettlement Specialist using M&E form no. 1A	Monthly (Jul - Dec 2018)	PMU supported by PISCB
2.3 Bid civil works contracts by Q4 2017	Prequalification, bidding and awards reports	Updates from Procurement Specialist using M&E form no.1A	Monthly (Jan - Jun 2018)	PMU supported by Procurement Specialist
2.4 Sign civil works contracts by Q4 2017	Prequalification, bidding and awards reports	Updates from Procurement Specialist using M&E form no.1A	Jun 2018	PMU supported by Procurement Specialist
2.5 Complete civil works by Q4 2020	PISCB Construction Supervision (CS) Team progress reports On-site verification	Updates from CS Team using M&E form nos. 2A and 2B.	Monthly (Jul 2018 - Dec 2020)	PMU supported by PISCB
2.6 Conduct environmental safeguards monitoring and reporting by Q1 2016–Q4 2020	Environmental Safeguards Monitoring Team (ESMT) reports. On-site verification	Updates from ESMT using M&E form no. 3.	Monthly (Jul 2018 - Dec 2020)	PMU supported by ESMT
2.7 Conduct social safeguards monitoring and reporting by Q1 2016–Q4 2017	Social Safeguards Monitoring Team (SSMT) reports. On-site verification	Updates from SSMT	Monthly (Jul 2018 - Dec 2020)	PMU supported by SSMT
Output 3: Institutional capacities for managing public investments strengthened				
3.1 Formulate capacity building program by Q4 2016	Report on capacity building program formulated	Updates from PISCB Capacity Building & Training Specialist (CBTS) using M&E form no. 1B	Q2 2017	PMU / PIU supported by PISCB CBTS
3.2 Complete key trainings and capacity building activities by Q4 2018	Reports on key trainings and capacity building activities	Updates from PISCB CBTS using M&E form no. 1B	Monthly (Apr 2017 – Sep 2019)	PMU / PIU supported by PISCB CBTS
Output 4: Community awareness on project activities and environmental sustainability improved				
4.1 Conclude community awareness and dissemination campaigns (Q4 2020)	Reports on actual conduct of community awareness & dissemination campaign.	Updates from PISCB Capacity Development Specialist (CDS) using M&E form nos. 1B and 5	Monthly (Apr 2017 - Sept 2019)	PMU / PIU supported by CDS



Project Performance M&E Framework Matrix

Indicators (with Baseline and Performance Targets) (Col. 1)	Data Sources/ Means of Verification (Col. 2)	Data Collection Method/Forms (Col. 3)	Timing & Frequency of Data Collection (Col. 4)	Responsible Person/Agency for Data Collection (Col. 5)
Output 1: The SLEDPs developed				
1.a. SLEDPs endorsed by the participating provinces and towns (2015 baseline: final draft SLEDPs completed)	Executive agencies' copies of Letters of Endorsement by participating provinces and towns.	Validation with implementing agencies	Q2 2016	PMU / PIU supported by PISCB Social Development & Gender Specialist (SDGS)
Output 2: Priority urban infrastructure investments implemented				
2.a. At least 30% of unskilled laborers employed in subproject construction are women. At least 30% of staff employed in operation and maintenance are women. At least 75% of all unskilled laborers or staff are of local origin (2015 baseline: N/A)	Contractors' / PISCB Construction Supervision (CS) Team's progress reports On-site verification Infrastructure Operator's reports Local authorities' statistical data Contractors' / PISCB Construction Supervision (CS) Team's progress reports On-site verification	Updates from CS Team using M&E form nos. 4B and 8A. Updates from Infrastructure Operator using Updates from CS Team using M&E form nos. 4B and 8A.	Monthly (Jul 2018 - Dec 2020) Quarterly (Q1 2021 onward) Monthly (Jul 2018 - Dec 2020)	PMU / PIU supported by PISCB PMU/PIU supported by Infrastructure Operator PMU / PIU supported by PISCB
2.b Wastewater treatment capacity of 4,500 cubic meters/day added in Kampot through construction of one new wastewater treatment plant (2015 baseline: 0)	Construction records, subproject completion reports, end of project survey	During operation: PIU updates from infrastructure operator's & local authorities' data. Using M&E Form no. 8A.	Operation - quarterly (Q1 2018 onward)	PMU/PIU supported by Infrastructure Operator
2.c 15.6 km of drainage trunk mains and 11.4 km of drainage collection mains constructed in Kampot (2015 baseline: 0)	Contractors/ Construction Supervision (CS) progress reports On-site verification	Updates from CS Consultant progress reports using M&E form no. 8A.	Monthly July 2017- December 2020	PMU / PIU supported by PISCB CS
2.d 2,700 new connections in Kampot for wastewater provided with free connection costs (2015 baseline: 0)	Construction records, subproject completion reports, end of project survey	During operation: PIU updates from infrastructure operator's & local authorities' data. Using M&E Form no. 8A.	During operation - quarterly (Q1 2018 onward)	PMU/PIU supported by Infrastructure Operator
2.e 7.9 km of separated primary storm water drains are constructed or upgraded in Kampot and 64.1 km in Sihanoukville (2015 baseline: 0)	Contractors/ Construction Supervision (CS) progress reports On-site verification	Updates from CS Consultant progress reports using M&E form no. 8A.	Monthly July 2017- December 2020	PMU / PIU supported by PISCB CS
2.f In Kampot, a new managed landfill is made operational (2015 baseline: N/A)	Construction records, subproject completion reports, end of project survey	During operation: PIU updates from infrastructure operator's & local authorities' data. Using M&E Form no. 8A.	During operation - quarterly (Q1 2018 onward)	PMU/PIU supported by Infrastructure Operator
2.g In Sihanoukville, the existing dump site is upgraded with improved	Construction records, subproject completion reports, end of project	During operation: PIU updates from infrastructure	During operation - quarterly (Q1	During operation: PMU/PIU supported by



Indicators (with Baseline and Performance Targets) (Col. 1)	Data Sources/ Means of Verification (Col. 2)	Data Collection Method/Forms (Col. 3)	Timing & Frequency of Data Collection (Col. 4)	Responsible Person/Agency for Data Collection (Col. 5)
operations (2015 baseline: N/A)	survey	operator's & local authorities' data. Using M&E Form no. 8A.	2018 onward)	Infrastructure Operator
2.h 8,100 households provided with new or improved solid-waste management collection in Kampot (3,330 households) and Sihanoukville (4,770 households) (2015 baseline: N/A)	Construction records, subproject completion reports, end of project survey	During operation: PIU updates from infrastructure operator's & local authorities' data. Using M&E Form no. 8A.	During operation - quarterly (Q1 2018 onward)	During operation: PMU/PIU supported by Infrastructure Operator
2.i. 100% of informal waste pickers near existing dump sites ensured continued access to the landfill and alternative livelihood skills training (2015 baseline: N/A)	Subproject completion reports, end of project survey	During operation: PIU updates from infrastructure operator's & local authorities' data. Using M&E Form no. 8A.	During operation - quarterly (Q1 2018 onward)	PMU/PIU supported by Infrastructure Operator
Output 3: Institutional capacities for managing public investments strengthened				
3.a At least 20 persons (30% female) trained in key project management areas (201.5 baseline: N/A)	Project progress and completion reports, attendance lists, training reports	Updates from PISCB CBTS using M&E form no. 5	Monthly April 2017-September 2019	PMU / PIU supported by PISCB CBTS
3.b At least 100 persons (50% female) trained on gender sensitization training for community leaders, government officers, and consultants involved in project implementation and delivery (2015 baseline: N/A)	Project progress and completion reports, attendance lists, training reports	Updates from PISCB CBTS using M&E form no. 5	Monthly April 2017-September 2019	PMU / PIU supported by PISCB CBTS
3.c Project implementation units shall target recruitment of 30% female staff, including 20% in decision-making positions (2015 baseline: N/A)	Project management unit and government employment records	Updates from PISCB CBTS using M&E form no. 5	Quarterly Inception Report	PMU / PIU supported by PISCB CBTS
Output 4: Community awareness on project activities and environmental sustainability improved				
4.a At least 10 community awareness and dissemination campaigns covering environmental sustainability and conservation themes conducted with equal participation by men and women (2015 baseline: N/A)	Project progress and completion reports, attendance lists, training reports	Updates from PISCB CDS using M&E form no. 5	Monthly April 2017-September 2019	PMU / PIU supported by PISCB CDS
Outcome: Improved urban services in the two participating				
a. 2,700 households and businesses serviced by new and improved wastewater collection and treatment facilities in Kampot (2015 baseline: 0)	Reports of provincial department of public works and transportation, project progress reports, end of project survey	During operation: PIU updates from infrastructure operator's & local authorities' data. Using M&E Form no. 8A.	Annual (2021 onward)	PMU/PIU supported by Infrastructure Operator



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Indicators (with Baseline and Performance Targets) (Col. 1)	Data Sources/ Means of Verification (Col. 2)	Data Collection Method/Forms (Col. 3)	Timing & Frequency of Data Collection (Col. 4)	Responsible Person/Agency for Data Collection (Col. 5)
b. 8,100 households serviced by improved solid-waste collection in the two towns (2015 baseline: 0)	Reports of provincial department of public works and transportation, project progress reports, end of project survey	During operation: PIU updates from infrastructure operator's & local authorities' data. Using M&E Form no. 8A.	Annual (2021 onward)	PMU/PIU supported by Infrastructure Operator
c. 3,765 households with reduced flood risks in both towns (2015 baseline: 0)	Reports of provincial department of public works and transportation, project progress reports, end of project survey	During operation: PIU updates from infrastructure operator's & local authorities' data. Using M&E Form no. 8A.	Annual (2021 onward)	PMU/PIU supported by Infrastructure Operator



APPENDIX 9
GAP Implementation Plan: Schedule of Activities (DRAFT)
International Social and Gender Specialist/ National Social and Gender Specialist

A. Preparatory Activities	Output	Responsible	Target Dates	Remarks
1. Review of project related and GAP documents		PISCB International and National Social Development and Gender Consultants	November 10-14, 2017	
2. Review the comments of L. Adams on the GAP implementation and recommendations	-Output 2 GAP Targets /Indicators Revised -Aligned Loan Covenant with GAP and DMF	PISCB International and National Social Development and Gender Consultants	November 15-16, 2017	
3. Discuss with Project team leader (about aligned loan covenant, with GAP and DMF)	- Aligned/Adjusted Loan Covenant with GAP and DMF/ GAP Budget to be integrated into the work plan/ project budget	PISCB Project Team Leader and Social Development and Gender Consultants	November-December 2017	
4. Meet with Social and Gender Officer at Cambodia ADB Resident Mission Office	-Discuss/clarify GAP related concerns	PISCB International and National Social Development and Gender Consultants	November 16, 2017 2 pm -5pm	Validate assigned PMU focal person, not able to meet with assigned PMU gender focal person/unable to contact her through the contact numbers available
5. Orient/ discuss with PMU Gender Focal the Gender Action Plan (GAP)	Finalized alignment of Loan Covenant with GAP and DMF/ GAP Budget to be integrated into the work plan/ project	PISCB Project Team Leader and Social Development and Gender	November 22, 2017	



	budget/update	Consultants		
6.Review SLEDP (Strategic Local Economic Development Plan) and Training Needs Assessment	Provided inputs for SLEDP and Training needs assessment			Prepare input for the SLEDP/but no English version can be found
7. Prepare questionnaire for updating socio-economic profile of project beneficiaries in the town/villages of Sihanoukville and Kampot and consultation guide for women about their issues/ concerns, needs and aspirations about the project (Task 3 in my TOR) Design and assist the PIUs in the implementation of appropriate additional socio-economic and other relevant surveys in each town, with data disaggregated by sex, ethnicity, and income.	-Questionnaire prepared -Guide questions for women group consultation meetings/ KIIs. -Coordination Meeting with PIU (Kampot) regarding conduct socio-economic survey /consultation with women's group and other stakeholders	International Social Development and Gender Consultant PISCB International and National Social Development and Gender Consultants PISCB International and National Social Development and Gender Consultants	1st Quarter 2018 1st Quarter 2018 1st quarter 2018	Validate with L. Adams if there is still the need for the conduct surveys Discuss with PIU if it has the personnel to conduct the survey / discuss other options if survey is not feasible National Social and Gender Specialist to translate the questionnaire to Khmer. National Social and gender Specialist supervise data gathering, edit questionnaire after data gathering.



	- Write-up/ Updated socio-economic profile/ women's profile (input for updated GAP/ Implementation Schedule)	PISCB International and National Social Development and Gender Consultants		Data processing and table preparation to be prepared by a Research Assistant. Need to look for budget for the survey
7. Consult with project related beneficiaries to ensure women's needs and aspirations are addressed in the subprojects detailed design, implementation and subsequent monitoring	-Prepare consultation guidelines and training needs assessment focus on livelihood skills of women (waste pickers, disadvantaged ,poor, ect.), skills interest, current skills , livelihood needs-(capital assistance, employment, socioeconomic/ livelihood skills profile of women			
8. Follow-up Orientation Training /capacity development on GAP implementation in overall project implementation for PMU/PIU /PISCB	-Orient PMU/PIU on GAP Implementation in relation to overall project implementation	PISCB International and National Social Development and Gender Consultants	February 2018	
9. Design and assist the PIUs in the implementation	-Prepare Indicative Plan for the implementation of	PISCB Project Team Leader and	Quarter 2018	



of information campaigns and community mobilization, and further, programs and projects to develop livelihoods, social development, and vocational needs with an emphasis on the urban poor and disadvantaged households/ including youth and women's livelihood needs.	information campaigns and community mobilization -Consultation meetings with Project Stakeholders on potential collaboration in GAP implementation (MoWA, DoWA, Ministry of Health/ Village Health Centers, NGOs/CSOs, etc.) -Consultation meetings with town/commune/ village councils	Social Development and Gender Consultants PISCB Project Team Leader and Social Development and Gender Consultants	First Quarter 2018	
10.Coordinate with resettlement specialist regarding livelihood and social development aspects of the resettlement plans; and advise PIU on training needs assessment of impacted households, including disaggregation of livelihoods by gender	-Discuss livelihood and social development aspects, and related needs assessment including disaggregated livelihoods by gender	PISCB Project Team Leader and Social Development and Gender Consultants	1 st quarter 2018	Training needs assessment to be undertaken by Resettlement Specialist for impacted households disaggregated by gender and will be shared with PISCB International and National Social and Gender Consultants
11. Design and assist the PIUs in the implementation	-Prepare Indicative Plan for the implementation of	PISCB Project Team Leader and	3 rd quarter 2018	



of information campaigns and community mobilization, and further, programs and projects to develop livelihoods, social development, and vocational needs with an emphasis on the urban poor and disadvantaged households/ including youth and women's livelihood needs.	information campaigns and community	Social Development and Gender Consultants		
12. Assist the PIUs with provision of technical assistance and coordination of demand driven awareness building and training and guidelines to support vulnerable households and groups.		PISCB International/ National Social Development and Gender Consultants	3 rd quarter 2018	
13. Gather information on GAP implementation progress and indicate results in a Gender Field Report and prepare progress report for GAP		Team Leader and Social Development and Gender Consultants	1 st quarter 2018	
14. Assist the PIUs by acting as a gender focal point and facilitator for gender mainstreaming in data /information collection, monitoring sector coordination, technical	-Follow-up all types of activities	National Social and Gender Specialist	2018 and up to end of project	



design issues, communication, training and capacity development and mentoring				
15. Contribute to the preparation and delivery of training courses and stakeholder workshops to inform and raise awareness about project related and other more general social development and gender issues in both towns		National Social and Gender Specialist	2018 and up to end of project	

Detailed Implementation Plan: Capacity building and Training (Budget)

Output 3 and 4 from the GAP	Activities	Responsible	Target Dates	Participants	Indicative Budget
Institutional Capacities for managing public investments strengthened			(2018)		
a. Capacity Building		PISCB consultants /PMU/DoWA			
1. Orientation Training GAP Implementation and monitoring (Target participants)	(i) review training needs assessment (TNA) for identified needs regarding GAP (ii)develop curriculum and training design, materials		1 st quarter 2018 (February)	(i)PMU 8 participants 1day training	Meeting room at PMU conference / snacks and lunch for participants \$300



	<p>(iii) identify and select leaders through the commune council</p> <p>(iv) implement training</p> <p>(v) monitor training progress</p> <p>(vi) prepare monitoring report with participants disaggregated by gender</p> <p>(vii) collect information/ write monitoring report</p>			<p>(ii) PIU/ Sangkats chief/ partner departments of agencies, women group representatives</p> <p>(15- 20) participants)</p>	<p>\$ 450 each subproject</p> <p>\$400 x2 Sub projects= \$ 800 total</p>
<p>2. Gender Awareness /Sensitivity Training (target: community leaders, government officers, consultant involved in project implementation delivery)</p>	<p>(ii) consultation/training needs assessment with community leaders and government agencies</p> <p>(ii) develop curriculum and training design, materials</p> <p>(iii) identify and select leaders through the commune council</p>	<p>PMU /DoWA, PISCB</p>	<p>3rd and 4th quarter 2018</p>	<p>-100 persons (50 %female)</p> <p>-50 participants for each sub-project</p> <p>- 1day training</p> <p>-Hand-outs Food Training Materials</p>	



	<p>(iv) implement training</p> <p>(v) monitor training progress</p> <p>(vi) prepare monitoring report with participants disaggregated by gender</p> <p>(vii) collect information/ write monitoring report</p>				
<p>3. Vocational/employment skills training: Target: 20 poor young women in Kampot and 20 waste pickers in Sihanoukville</p>	<p>(i) consultation/ needs assessment meetings with women (concerns, needs. Vocational skills interest, current skills</p> <p>(ii) prepare consultation and needs assessment report</p> <p>(iii) Consult with DoWA re available training for livelihood skills for employment by NGOs/DoWA</p> <p>(iv) Draft TOR/ arrangement with identified</p>	<p>PMU /DoWA, PISCB</p>	<p>1st quarter 2019</p>	<p>Target: (at least 20 per project site: Sihanoukville and Kampot)</p>	<p>Payment for resource persons/ for participants food/ Training materials/ on the job skills training</p> <p>(coordinate with concerned agencies with available potential livelihood skills training</p>



	<p>NGO/government agency re: vocational training skills</p> <p>(v) Implement livelihood/employment skills training</p> <p>(vi) monitor outcome of livelihood/employment training activities /collect data</p> <p>(vii) prepare training report of women trainees who completed the training</p>				
<p>3.Community Awareness on environmental sustainability/information dissemination campaign on benefits of solid waste collection/Clean city theme</p>	<p>(i)Conduct consultation with men and women on project benefits, concerns and issues on environment, current practices garbage disposal practices, role of men and women in solid waste, recommendation to improve environmental conditions and hygiene.</p> <p>(ii) identify NGOs that</p>	<p>PMU /DoWA, PDWA, PISCB consultants</p>	<p>1st quarter (2019)</p>	<p>2-day environmental awareness trainings (campaign environmental and solid waste collection preparation/ on the job training</p> <p>10 session (community</p>	<p>To be contracted to an NGO in partnership with DoWA/PDW)</p>



	<p>could partner with PDWA and DoWA in conducting the community awareness campaign and info dissemination</p> <p>(iii) Prepare TOR/ Provide input in the design of the environmental community awareness and information dissemination campaigns/</p> <p>(iv) Implementation of community awareness and information dissemination activities</p> <p>(v) prepare sex disaggregated monitoring report</p> <p>(vi) collect data and outcome of training and prepare monitoring report</p>			<p>Information dissemination/ campaigns</p> <p><u>Information dissemination media/materials</u> Radio, TV, Social network, pamphlet, poster, tarpaulin,</p> <p><u>Target Audience/partners</u> Schools/ students business, households, pagoda, institutions/NGOs/</p>	
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APPENDIX 10
STATUS OF COMPLIANCE WITH LOAN COVENANTS

No.	Covenant	Reference in LA	Status of Compliance
1.	<p>Implementation Arrangements</p> <p>The Borrower and Project Executing Agency shall ensure that the Project is implemented in accordance with the detailed arrangements set forth in the PAM. Any subsequent change to the PAM shall become effective only after approval of such change by the Borrower and ADB. In the event of any discrepancy between the PAM and this Loan Agreement, the provisions of this Loan Agreement shall prevail.</p>	Schedule 5, Para. 1	Complied with
2.	<p>Environment</p> <p>The Borrower shall ensure, and cause the Project Executing Agency to ensure that the preparation, design, construction, implementation, operation and decommissioning of the Project 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 IEEs, the EMPs and any corrective or preventative actions set forth in a Safeguards Monitoring Report.</p>	Schedule 5, Para. 2	Ongoing
3.	<p>Land Acquisition and Involuntary Resettlement</p> <p>The Borrower shall ensure or cause the Project Executing Agency to ensure that all land and all rights-of-way required for the Project are made available to be 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 RP 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 preventive actions as agreed by the IRC set forth in the Safeguards Monitoring Report .</p>	Schedule 5, Para. 3	Ongoing
4.	<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) compensation and other entitlements have been provided to affected people in accordance with the RPs; and</p> <p>(b) a comprehensive income and livelihood improvement program has been put in place in accordance with the RPs.</p>	Schedule 5, Para. 4	Not yet due
5.	<p>Indigenous Peoples</p> <p>The Borrower shall ensure that the Project does not have any indigenous people impacts, all within the meeting of ADB's Saguard Policy Statement. In the event that the Project complies with the applicable laws and regulations of the Borrower and with ADB's Saguard Policy Statement.</p>	Schedule 5, Para. 5	Ongoing
6.	<p>Human and Financial Resources to Implement Safeguards</p>		



No.	Covenant	Reference in LA	Status of Compliance
	<p>Requirements</p> <p>The Borrower shall make available or cause the Project Executing Agency to make available, necessary budgetary and human resources to fully implement the EMPs and the RPs.</p>	Schedule 5, Para. 6	Complied with
7.	<p>Safeguards – Related Provisions in Bidding Documents and Works Contracts</p> <p>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> <ul style="list-style-type: none"> (a) comply with the measures relevant to the contractor set forth in the 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; (b) make available a budget for all such environmental and social measures; (c) provide the Borrower with a written notice of any unanticipated environmental, or resettlement risks or impacts that arise during construction, implementation or operation of the Project that were not considered in the IEEs, the EMPs and the RPs; (d) adequately record the condition of roads, agricultural land and other infrastructure prior to starting to transport materials and construction; and (e) reinstate pathways, other local infrastructure, and agricultural land to at least their pre-project condition upon the completion of construction. 	Schedule 5, Para. 7	Ongoing
8.	<p>Safeguards Monitoring and Reporting</p> <p>The Borrower shall do the following or cause the Project Executing Agency to do the following:</p> <ul style="list-style-type: none"> (a) submit semiannual Safeguards Monitoring Reports to ADB and disclose relevant information from such reports to affected persons promptly upon submission; (b) if any unanticipated environmental and/or social risks and impacts arise during construction, implementation or operation of the Project that were not considered in the IEEs, the EMPs and the RPs, promptly inform ADB of the occurrence of such risks or impacts, with detailed description of the event and proposed corrective action plan; and (c) report any actual or potential breach of compliance with the measures and requirements set forth in the EMPs and the RPs promptly after becoming aware of the breach. 	Schedule 5, Para. 8	Not yet due
9.	<p>Prohibited List of Investments</p> <p>The Borrower shall ensure that no proceeds of the Loan are used to finance any activity included in the list of prohibited</p>	Schedule 5, Para. 9	Complied with



No.	Covenant	Reference in LA	Status of Compliance
	investment activities provided in Appendix 5 of the SPS.		
10.	<p>Gender and Development</p> <p>The Borrower shall ensure that: (a) the gender action plan 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 the implementation of the GAP; and (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 include, but not limited to: (i) the project implementation units shall target recruitment of 30% female staff, including 20% in decision-making positions; (ii) at least 20 persons (30% female) trained in key project management areas; (iii) at least 100 persons (50%female) provide gender sensitization training for community leaders, government officers, and consultants involves in project implementation and delivery; (iv) the project management unit and the Borrower's department of Women's Affairs will organize, through an NGO vocational training in livelihood and employment opportunities related to the project, e.g. tourism skills development, for at least 20 poor young women in Kampot, and offer the same for waste pickers at dumpsite in Sihanoukville; (v) 30% of unskilled laborers employed in sub-project construction are women; (vi) 30% of staff employed in operations and maintenance are women; and (vii) 75% of all unskilled laborers/staff are of local origin.</p>	Schedule 5, Para. 10	Complied with
11.	<p>Governance and Anticorruption</p> <p>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.</p>	Schedule 5, Para. 11	Complied with
12.	<p>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 Project Executing Agency and the Project Implementing Agencies and all contractors, suppliers, consultants, and other service providers as they relate to the Project.</p>	Schedule 5, Para. 12	Complied with
13.	<p>Within six (6) months of the Effective Date, the Project Executing Agency shall create or modify a Project website to disclose information about various matters on the Project. The website will include information on Project procurement include the list of participating bidders, name of each winning bidder, basic details on bidding procedures adopted, the value of each contract awarded, and the list and value of goods/services procures and the intended utilization of Loan proceeds under each contract being awarded. The website shall also include general Project information, Project progress</p>	Schedule 5, Para. 13	Complied with



No.	Covenant	Reference in LA	Status of Compliance
	<p>and contact details for the Project Executing Agency's counterpart staff in Khmer and English languages, and shall link to ADB's Integrity Unit website at http://www.adb.org/site/integrity/complaint-form for reporting to ADB any grievances or allegations of corrupt practices arising out of the Project and /or Project activities. The Borrower shall cause the Project Executing Agency to ensure that all Project staff are fully aware of ADB's procedures, including, but not limited to, procedures for implementation, procurement, use of consultants, disbursements, reporting, monitoring, and prevention of fraud and corruption.</p>		
14.	<p>Grievance Redress Mechanism</p> <p>The Borrower shall through the Project Executing Agency further ensure that within nine (9) months of the Effective Date, a grievance redress mechanism (GRM) acceptable to ADB is established for non-safeguards complaints in accordance with the PAM. In each case, such GRM shall function to (i) review and document eligible complaints of Project stakeholders; (ii) proactively address grievances; (iii) provide the complainants with notice of the chosen mechanism and/or action; and (iv) prepare and make available to ADB upon request periodic reports to summarize (a) the number of complaints received and resolved; (b) chosen actions; and (c) final outcomes of the grievances and make these reports available to ADB upon request. Eligible non-safeguards complaints include those related to the Project, any of the service providers, any person responsible for carrying out the Project, complaints on misuse of funds and other irregularities as well as gender issues.</p>	Schedule 5, Para. 14	Complied with
15.	<p>Sector Development and Counterpart Support</p> <p>(a) The Borrower shall (i) cause the Project Executing Agency and the relevant Project Implementation Agency to adopt business plans consistent with the terms and requirements of the PAM(including, but not limited to, the necessary tariff, tariff collection rates, increases in tariff rates and service coverage rates for wastewater collection and treatment services and facilities in Kampot and rates for solid waste collection services and facilities in Kampot and Sihanoukville for the operational period of the relevant facilities), subject to prior consultation with ADB, for achieving full cost recovery to cover operations and maintenance expenditures of the facilities developed under Parts 1,2 and 4of the Project, as applicable, prior to their physical completion; and (ii) cause each Project Implementation Agency to administer the applicable business plan in accordance with its terms and the PAM, including, but not limited to, the collection of all necessary tariffs and Implementation of any tariff increases, as applicable. .</p>	Schedule 5, Para. 15	Not yet due
16.	<p>(b) The Borrower shall (i) if there is any deficiency in the budget for the operations and maintenance of the facilities constituting Parts 1, 2 and 4 (or any or all of them) of the Project in any fiscal year, require the applicable Project Implementation Agency to Fund immediately such deficiency through budget allocations for such facilities;</p>	Schedule 5, Para. 16	Not yet due



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No.	Covenant	Reference in LA	Status of Compliance
	and (ii) if the applicable Project Implementation Agency fails to undertake its obligation under clause (b)(i) above, fund immediately such deficiency in the budget for the operations and maintenance for the facilities constituting Parts 1, 2 and 4 (or any or all of them) of the Project, as applicable, for the relevant fiscal year to ensure proper operations and maintenance of such facilities for the remainder of the relevant fiscal year.		



**APPENDIX 11
RISK ASSESMENT AND RISK MANAGEMENT PLAN (RARMP)**

No.	Risk/Issue	Assessment without Mitigation	Action to Mitigated Risk	Responsibility	Target/Monitoring	Status as at (December 2016)	Supporting Evidence
Element 1: Procurement							
1.a	Irregularities relating to leaking prior or post procurement information before the contract award, collusion during the bidding process, and bid evaluation.	High	EA/IAs to establish PRC under the project in accordance with SOP/PM which are in line with ADB guidelines. EA/IAs shall ensure that the Declarations of Fraud and Ethical Conduct (DFEC) for PRC members and bidders (contractors, suppliers and consultants) are signed for each transaction. A copy of the declarations of winning bidders shall be part of the awarded contracts.	EA/IAs	All procurement transactions. EA/IA to monitor, ADB to verify during review missions, prior reviews and post reviews	PRC established on 22 October 2014. DFEC signed for each transaction, and copies of DFEC of winning bidders made part of awarded contracts.	PRC minutes of meetings. DFEC in awarded contracts.
1.b	Insufficient compliance with procedures	High	EA/ IAs are to adhere strictly to the procedures and guidelines set forth in the Loan Agreement, ADB's Procurement Guidelines, and SOP/PM that also cover ICB, NCB and shopping.	EA/IAs MEF monitors compliance with LA, ADB Procurement Guidelines and SOP/PM	All procurement transactions. EA/IA to monitor, ADB to verify during review missions, prior reviews and post reviews	Sufficient adherence/ compliance to procurement procedures and guidelines by EA/IAs, as monitored by MEF.	Bid Evaluation Committee (BEC) / Consultant Evaluation Committee (CEC) Reports & Recommendation. PRC minutes of meetings.
1.c	Weak procurement capacity.	High	EA/ IAs will receive continued hands-on training and technical assistance from consultants recruited under the project. SOP/PM will be used under the project.	ADB	Throughout Project duration	Training conducted by ADB in Dec. 2016. Inquiries on procurement can be directly made through ADB's procurement clinic.	PMU/ADB records.



No.	Risk/Issue	Assessment without Mitigation	Action to Mitigated Risk	Responsibility	Target/Monitoring	Status as at (December 2016)	Supporting Evidence
			<p>Recruitment of a well-experienced procurement officer and website officer in PMU to avoid procurement and eventual implementation delays</p> <p>Closely monitor and review procurement conduct, and where necessary, take measures to improve procedures based on lessons learnt from each successive procurement activity.</p> <p>EA/IAs will recruit additional national and/or national procurement staff if required.</p>	<p>EA/IAs</p> <p>EA, MEF and ADB</p> <p>EA/IAs</p>	<p>Throughout Project duration</p> <p>Throughout Project duration</p>	<p>Procurement Specialist contracted in Aug 2014 by PISCD and in June 2016 by PMU.</p> <p>Website officer is a PMU member.</p> <p>EA/MEF monitoring and reviewing the conduct of procurements.</p> <p>No additional procurement staff required.</p>	<p>Copies of contracts with PMU.</p> <p>BEC and CEC reports. PRC minutes of meetings.</p> <p>-</p>
1.d	Delayed execution of schedules in the Procurement Plans and failure to track to procurement transactions.	High	Preparation of realistic annual Procurement Plan, tied to annual work plan and budget. EA/IAs will maintain Procurement Monitoring and Tracking Forms as defined in the SOP/PM, and take actions to address delays through additional consultant inputs, if necessary.	EA/IAs to prepare updated procurement plans and procurement tracking form.	Update procurement plan and monitor procurement tracking form during review missions as required	Procurement plan updated in August 2016. Procurement Monitoring & Tracking Forms maintained.	Updated Procurement Plan. Filled out Procurement Monitoring & Tracking Forms.
1.e	Informal payments by contractors, suppliers and consultants	High	All contractors, suppliers and consultants – firms or individuals, national and international – bidding for contracts under the project shall sign the Declaration on Ethical Conduct and Fraud and Corruption in the SOP/ procurement manual.	EA/IAs and MEF	Throughout Project duration	Signed DFECs included in bids.	Signed DFECs.
Element 2: Financial Management							
2.a	Weak internal controls	High	EA/IAs to follow the financial management procedures specified in: (i) the Project Financing Agreement; (ii) the government's	EA/IAs; MEF to ensure compliance with	Throughout Project duration	Specified fin'l. management procedures	Quarterly Report and PMU reports to MEF and ADB.



No.	Risk/Issue	Assessment without Mitigation	Action to Mitigated Risk	Responsibility	Target/Monitoring	Status as at (December 2016)	Supporting Evidence
			SOP and FMM.	SOP/ FMM, Loan Agreement and ADB's Anticorruption Policy		followed since 31 Dec 2015 and ongoing.	
2.b	Weak financial management capacity	High	EA/IAs to receive continued hands-on training from consultants recruited under the project. The SOP/FMM will be used under the project, as well as relevant provisions of the Loan Agreement and ADB's guidelines on procurement and consulting services. Project to closely monitor and review financial management conduct and make necessary improvements as required.	EA and IAs and ADB EA and IAs	Throughout Project duration, conducted as a part of capacity building activities in the project	Hands-on-training ongoing. CapDev training scheduled. Monitoring & review since Dec 2015 and ongoing	CapDev Plan and training modules. Supported by Financial Management Specialist
2.c	Minimize cash transactions	High	Project to make all progress payments to contractors, suppliers and consultants – firms, individuals, national and international – by check or transfer to bank accounts, and retain evidence for audit and donor supervision missions.	MEF, EA and IAs	Throughout Project duration	Payments by check or bank transfer complied and ongoing.	Project Financial Statements
2.d	Delayed or non-existent reconciliation of advances for operating costs and expenses	High	Project to reconcile advances for operating expenses to staff or field offices within one week of the end of each month. No further advances to be paid until previous advance reconciled and cleared against documentary evidence.	EA and IAs	Throughout Project duration Project director to monitor and ADB to verify during review missions.	Reconciliation of advances complied and ongoing.	Project Financial Statements
Element 3 : Disclosure							
3.a	Possible conflict of interest among Project staff	Extremely High	Project staff to disclose private and public affiliations or personal interest before becoming involved in any project-related transaction, such as contract award. EA to	EA/IAs to ensure all Project staff sign the disclosures	Throughout Project duration Project director to ensure all project		



No.	Risk/Issue	Assessment without Mitigation	Action to Mitigated Risk	Responsibility	Target/Monitoring	Status as at (December 2016)	Supporting Evidence
			prepare a declaration statement for staff's signature.		staff signs the disclosures.		
3.b	Inadequate transparency and disclosure	High	Project to agree information to be disclosed on the project and EA/IA websites biannually, with hard copies available for public inspection on request. At a minimum, the Project will disclose the information required by the Loan Agreement.	EA and ADB to agree the final list. Project director to arrange disclosure	Throughout Project duration.	Development of project website to be completed in February 2017. Information will then be uploaded to the website.	Project website.
Element 4: Complaints and Remedies Mechanism							
5.a	Inadequate complaints and remedies mechanisms		Project to build well-defined complaints and remedies mechanism into project documents. Complaints procedures regarding procurement to follow process set out in Loan Agreement and SOP/PM. Following established publication of evaluation and awards, debriefing mechanism is also necessary not only to enhance transparency but also for the losing bidders to know their weak points.	EA/IAs EA and IAs in consultation with ADB	At effectiveness	To be complied with. PMU provides all bidders with copies of the evaluation and awards through email.	- Copies of emails from PMU
Element 5: Code of Ethical Conduct							
6.a	Poor enforcement of the Code of Conduct for civil servants		Project to provide copies of the relevant laws and articles on Code of Conducts for civil servants to all project staff, including contracted staff. Project will maintain signed declaration of receipt of these documents by all project staff, including contracted staff. Similarly, all members of the procurement committee undertaking the evaluation shall sign the Declaration on Ethical Conduct.	EA and IAs	Throughout Project duration	The Department of Human Resources provides copies of Code of Conducts for Civil Servants to Ministry personnel upon employment.	Signed receipts available with the Department of Human Resources.



No.	Risk/Issue	Assessment without Mitigation	Action to Mitigated Risk	Responsibility	Target/Monitoring	Status as at (December 2016)	Supporting Evidence
Element 6: Sanctions							
7.a	Inadequate sanctions for fraudulent and corrupt activity by Project staff, contractors, suppliers and consultants		The Project to identify and apply sanctions available under current law and regulations of Cambodia, ADB's Loan Regulations, the Loan Agreement, and ADB's Procurement Guidelines and Consulting Guidelines. Sanctions for individuals may include transfer of duties, retraining, suspension, dismissal, re-grading, and prosecution under Cambodian Law. Sanctions for firms may include: termination of contract, debarment or blacklisting under ADB's Procurement Guidelines and Consulting Guidelines, or prosecution under Cambodian Law	EA and IAs, and in consultation with ADB	Effectiveness		
Element 7: Project Specific Elements							
7.a	Poor enforcement of contract terms and need to conduct contractors' performance evaluation		EA to ensure that contract terms are strictly enforced and the loan consultant will be a party to ensuring quality control of contract outputs, include acceptance of completion of works and services.	EA and IAs	Throughout Project duration	Contract terms for previous DED Consultant enforced, with the assistance of PISCD.	Evaluation of DED Consultant's output.
7.b	Poor quality of design and works construction		EA and IAs to ensure that approved infrastructure's design standards and specification developed by the respective agencies are utilized for the design of structures under the project. Project to recruit experienced detailed design consultant on a timely basis to assist the project.	EA and IAs, and with ADB NOL	Throughout Project duration Contract signed immediately after effectiveness	DED to be carried out by PISCD and CS Consultants. DED to be carried out by PISCD and CS Consultants.	DED reports and bid documents. V.O. no. 6 to PISCD contract, and CS contract.
7.c	Risk of low quality construction and		Project to recruit experienced site supervision consultants to assist EA/IAs..	EA and IAs, and with ADB NOL	Prior to award of first works contract.	Construction Supervision	CS contract document.



No.	Risk/Issue	Assessment without Mitigation	Action to Mitigated Risk	Responsibility	Target/Monitoring	Status as at (December 2016)	Supporting Evidence
	supervision		Regular technical audit is to be undertaken with any adverse findings to be acted upon immediately. Project to evaluate contractors' performance with poor performing contractors declared ineligible to bid for at least one year.	EA and IAs EA and IAs, and with ADB NOL	Throughout Project duration. Annually	Consultant recruited To be complied during construction. To be complied during construction.	- -