



**Ministry of Public Works and Transport
Kingdom of Cambodia**

**GMS: Southern Economic
Corridor Towns Development
Project**

**Loan 2983-CAM(SF), Loan 8265-CAM(SCF)
Grant 0334-CAM (UEIF), Grant 0335-CAM (SCF)**

**Quarterly Report
2nd Quarter 2018**

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ABBREVIATIONS AND ACRONYMS

ADB	-	Asian Development Bank
CS	-	Construction Supervision
CTDP	-	Corridor Towns Development Project
DED	-	Detailed Engineering Design
DMF	-	Design and Monitoring Framework
DMS	-	Detail Measurement Survey
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
MRF	-	Material Recovery Facility
NCB	-	National Competitive Bidding
PAHs	-	Project Affect Households
PAP	-	Project-affected People
PISCD	-	Project Implementation Support and Capacity Development
PIU	-	Project Implementation Unit
PMU	-	Project Management Unit
PPMS	-	Project Performance Management System
PPP	-	Public-Private Partnership
PRC	-	Procurement Review Committee
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

SECTION 1 INTRODUCTION AND BASIC DATA

1.1 PROJECT OVERVIEW

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

The Project will enhance the competitiveness of towns along the Southern Economic Corridor (SEC). The Project will transform the Cambodian corridor towns of Battambang, Bavet, Neak Loeung, and Poipet (see Figure 1.1) into economic hubs by improving urban-environmental infrastructure and strengthening institutional capacities of provincial and local authorities.

Figure 1.1
Location of Three Corridor Towns of CTDTP in Cambodia



The Project's expected outcome is improved urban infrastructure and enhanced climate resilience in Battambang, Bavet, Neak Loeung and Poipet. The Project will cover ten subprojects comprising: (a) three subprojects in Battambang, i.e. flood protection, wastewater treatment (WWT), and materials recovery facilities (MRF); (b) three in Bavet, i.e. urban roads, WWT, and MRF; (c) one in Neak Loeung, i.e. flood control; and (d) three in Poipet, i.e. WWT, solid waste management, and MRF.



1.2 BASIC DATA

Presented below are the basic Project data.

Project Title:	Greater Mekong Sub-region Southern Economic Corridor Towns Development Project		
Project Number:	43319-033		
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 four 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 2983-CAM (SF)	Asia Development Fund	33.44 ^a	65.3
Loan 8265-CAM (SCF)	Strategic Climate Fund ^b	5.00	9.8
Grant 0335-CAM (SCF)	Strategic Climate Fund ^b	4.40	8.6
Grant 0334-CAM (UEIF)	Urban Environmental Infrastructure Fund Grant under the Urban Financing Partnership Facility ^c	1.50	2.9
	Government of Cambodia	6.87	13.4
	Total Project Cost	51.21	100.0

^a Revised due to the depreciation of the SDR against the US\$.

^b Under the Pilot Program for Climate Resilience financed by the Strategic Climate Fund. The ADB Strategic Climate Fund is administered by the Asian Development Bank.

^c Contributor: the Government of Sweden.

Date of Loan/Grant Approval	10 December 2012
Date of Signing of Agreement	17 January 2013
Date of Effectiveness	08 April 2013
Loan/Grant Closing Date	
Revised	30 June 2021 (loan period is 8.23 years from date of effectiveness)
Original	30 June 2019 (loan period is 6.23 years from date of effectiveness)
Elapsed Loan Period	5.23 years from date of effectiveness (as of 30 June 2018) 64% of revised loan period 84% of original loan period
Dates of ADB Review Missions	08 September – 01 October 2014; 01 – 11 December 2015; 09 – 22 August 2016; 18 – 30 October 2017 and 21-29 May 2018



Compared to the original plan, the implementation of the Project has been delayed by about 24 months. This is mainly due to delays in the procurement of detailed engineering design (DED) consultant and the actual preparation of DED and bid documents. Based on this, a proposal for the extension of the loan/grant closing date by 24 months, from 30 June 2019 to 30 June 2021, will be prepared by the EA/MEF for approval by ADB. Shown in **Appendix B** is the updated Overall Project Implementation Plan that takes into consideration the 24-month extension of the loan/grant closing date, and the prioritization of subprojects.

1.3 REPORTING PERIOD

This Quarterly Report is for the 2nd Quarter of 2018 – April-June 2018 reporting period. It provides a summary of accomplishments during the reporting period, compliance with safeguards and covenants, identifies major issues and concerns and recommends the action required, and lists activities to be carried out in the next quarter.



SECTION 2 UTILIZATION OF FUNDS

2.1 REVISED PROJECT COST ESTIMATE

The Project cost estimate was amended to take into consideration: (i) the reallocation of loan/grant proceeds due to contract awards under some loan categories that already exceeded their allocation, and the prioritization of subprojects such that total cost will be within the available budget; (ii) budget shortfalls arising from the depreciation of the SDR against the US\$; and (iii) extension of loan/grant closing date. **Table 2.1** presents the revised Detailed Cost Estimate by Financier prepared by MEF, and approved by ADB.

Table 2.1
Revised Detailed Cost Estimate by Financier (US\$ million)

Reallocation of Loan and Grant Proceeds as Approved by ADB on 26 January 2017 (Greater Mekong Subregion Southern Economic Corridor Towns Development Project)														
No.	Item	ADB Loan *		SCF Loan		SCF Grant		UPPF Grant		RGC				Total
		Amount	%	Amount	%	Amount	%	Amount	%	Nontax	Taxes	Amount	%	
1	Works	25.684	67.2	3.780	9.9	3.270	8.6	1.398	3.6	-	4.097	4.097	10.7	38.221
1A	CW: Wastewater Treatment and Flood Control	16.022	62.2	3.780	14.7	3.270	12.7	-	-	-	2.697	2.697	10.5	25.769
1B	CW: Road and Solid Waste Management	9.662	68.5	-	-	-	-	-	-	-	1.280	1.280	11.5	10.922
	Material Recovery Facilities	-	-	-	-	-	-	1.390	90.8	-	0.140	0.140	9.2	1.530
2	Consulting Services	3.317	69.7	0.739	15.3	0.782	14.8	-	-	-	-	-	-	4.798
2A	Project Implementation Support & CD	1.816	71.1	0.368	14.4	0.371	14.5	-	-	-	-	-	-	2.555
2B	Detailed Engineering Design	0.659	78.0	0.100	11.9	0.085	10.1	-	-	-	-	-	-	0.845
2C	Construction Supervision	0.730	58.6	0.270	21.7	0.246	19.7	-	-	-	-	-	-	1.246
2D	External Monitoring	0.113	100.0	-	-	-	-	-	-	-	-	-	-	0.113
3	Equipment	0.416	100.0	-	-	-	-	-	-	-	-	-	-	0.416
4	Training	0.136	100.0	-	-	-	-	-	-	-	-	-	-	0.136
5	Incremental Administration	0.851	50.7	0.001	0.1	0.001	0.1	-	-	0.638	-	0.630	48.1	1.283
5A	Project Management Unit	0.325	99.2	0.001	0.4	0.001	0.4	-	-	-	-	-	-	0.328
5B	Project Implementation Unit	0.325	100.0	-	-	-	-	-	-	-	-	-	-	0.325
5C	Salary Supplements	-	-	-	-	-	-	-	-	0.630	-	0.630	100.0	0.630
	Land Acquisition and Resettlement	-	-	-	-	-	-	-	-	1.658	-	1.650	100.0	1.650
6	Unallocated	2.427	62.1	0.467	11.9	0.427	18.9	0.110	2.8	0.096	0.385	0.481	12.3	3.910
7	Interest During Construction	0.810	98.4	0.013	1.6	-	-	-	-	-	-	-	-	0.823
	Contingency	-	-	-	-	-	-	-	-	-	-	-	-	-
	Total	33.448	65.3	5.008	9.8	4.408	8.6	1.580	2.9	2.378	4.482	6.858	13.4	51.198

* 1 SDR = 1.392 US\$

2.2 LOAN AND GRANT PROCEEDS

Loans and grants utilization by category, as of 30 June 2018 are indicated in **Appendix C**, and consolidated in **Table 2.2** below.



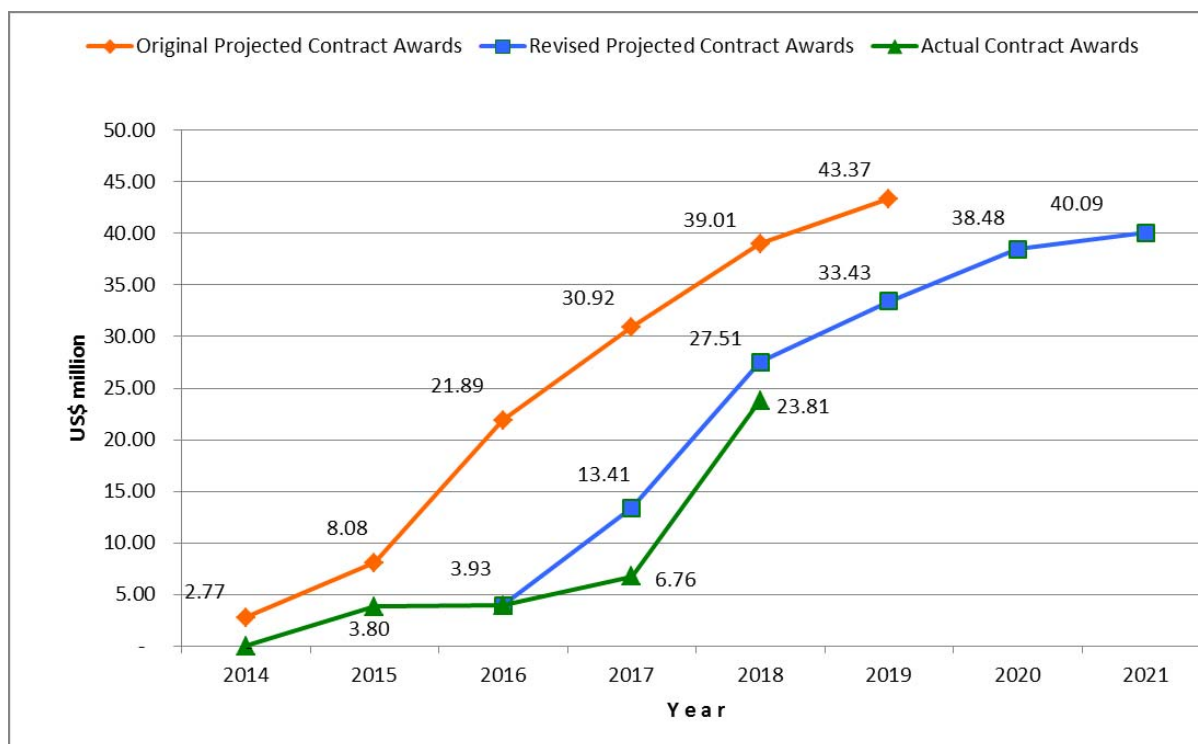
Table 2.2
Consolidated Status of Loan and Grant Proceeds

Loan/Grant No.	US Dollars					
	Allocation	Contracts Awarded	Uncontracted Loan Balance	Contracts Disbursed	Undisbursed Loan Balance	Undisbursed Contract Balance
	A	B	C = A - B	D	E = A - D	F = B - D
Loan 2983	38,781,135	18,723,541	20,057,593	5,136,860	33,644,274	13,586,681
Loan 8265	5,000,000	2,070,372	2,929,628	688,704	4,311,296	1,381,669
Grant 0334	1,500,000	1,174,390	325,610	853,386	646,614	321,004
Grant 0335	4,400,000	1,841,162	2,558,838	769,564	3,630,436	1,071,598
Total	49,681,135	23,809,465	25,871,669	7,448,514	42,232,621	16,360,951

2.3 CONTRACT AWARDS

During Q2 2018, no contract awards works were undertaken. As of 30 June 2018, the contracts awarded by PMU amounted to US\$23.81 million, or 47% of total loan and grant amount. **Figure 2.1** shows the S-curves of the cumulative actual contract awards and original and revised projections/targets. The revision of the targets was made based on the approved reallocation of loan/grant proceeds, and updated procurement plan.

Figure 2.1
Cumulative Actual Versus Projected Contract Awards

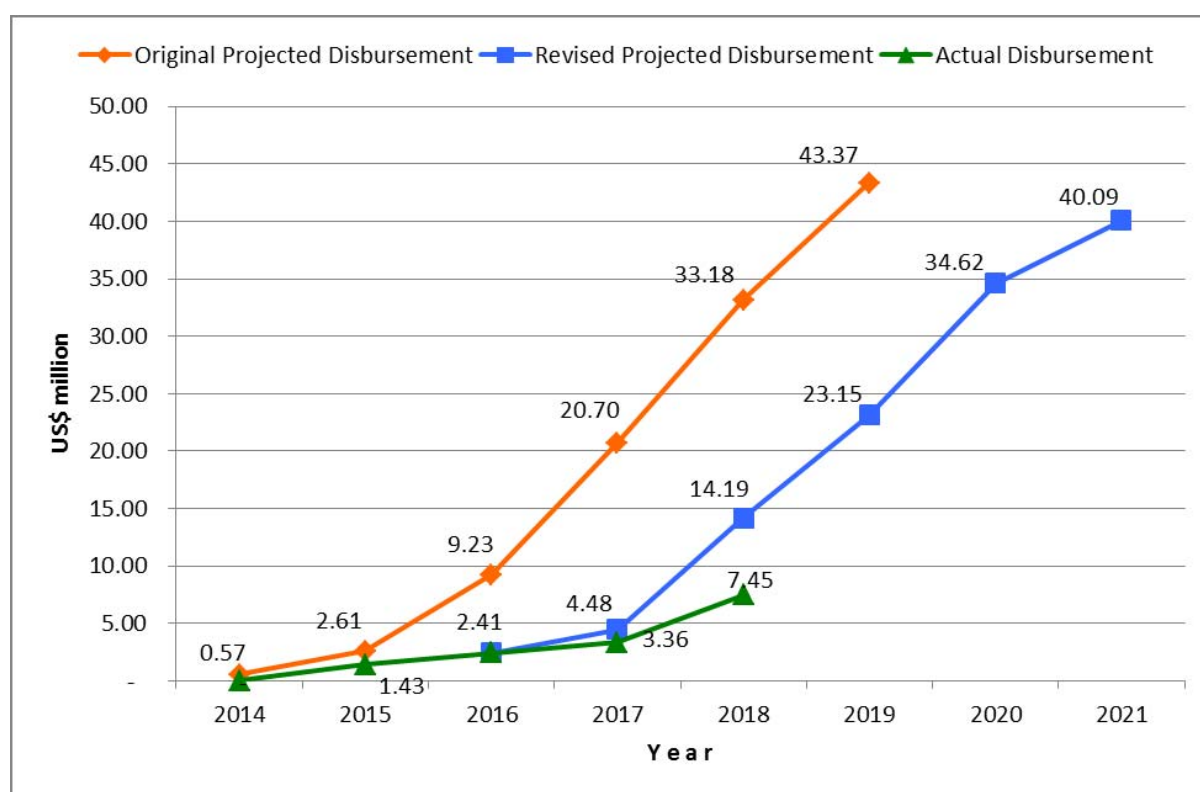




2.4 DISBURSEMENT

Disbursements during Q2 2018 were made through direct payment of PISCD consulting services, construction supervision, Incremental Admin – PMU/PIUs, equipment and Material Recovery Facility, Battambang wastewater treatment, Bavet urban road and interest during construction. So far, a total of US\$7.449 million, or 31% of total contract awards, has been disbursed. This is equivalent to 15% of total loan and grant amount. The S-curves of the cumulative actual disbursements and original and revised projections/targets are shown in **Figure 2.2**. The revision of the targets was made based on the revised projected contract awards, and the revised overall project implementation plan.

Figure 2.2
Cumulative Actual Versus Projected Disbursements



2.5 COUNTERPART FUNDS

The replenishment of RGC counterpart imprest account was made during the reporting period is US\$13,110. PMU and PIU staff allowances were paid from the account's balance of the previous quarter. As of 30 June 2018, the total counterpart funds released to the Project was US\$233,933.50 or 3.40 % of total government contribution.



SECTION 3 IMPLEMENTATION PROGRESS

3.1 OVERALL PROGRESS

As of 30 June 2018, the estimated physical completion of the Project was about 15%; while the time elapsed from effectiveness date was 64% of the revised loan period (84% of the original loan period). The physical completion is indicated as a percentage derived from the estimate of the weight contributed by each activity as a percentage of the total project, consistent with the S-curve concept.

Civil Work:

Currently, the construction of material recovery facility in three towns is in progress. The estimate of physical progress MRF in Battambang is 99%, Poipet is 99% and Bavet is 85%. The physical progress in Bavet is lower than Battambang and Poipet because the location for MRF construction is flooded by rain water, so the contractor started late.

The construction of urban road in Bavet town and waste water treatment (storm drainage) in BTB are in progress. The estimate of physical progress wastewater treatment (storm drainage) is 3% and urban road in Bavet is 1.5%.

Procurement:

Bids were evaluated for one subproject (WWT/Storm Drainage in Poipet) and the bid evaluation report was submitted to ADB for NOL during reporting period. The procurement of WWT (storm drainage) in Battambang (CW 06) and urban road in Bavet (CW 05) was completed. New WWTP mechanical type and sewerage system in Poipet is under preparation of bidding documents. WWTP in BB and BV and solid waste management in Poipet are deferred (sewerage system in BB will be constructed under the Tonle Sap II Project).

Environment:

Developed public information booklet, organized Public consultation, Information Disclosure and Grievance Mechanism to communities in three towns, 113 persons attended in the event, of which 13 were women. Updated IEE/EMP Poipet town submit to MOE, and Reviewed and commented contractor's CEMPs. Environmental training material was prepared for conduct training to PMUs, PIUs and contractors. Updated One IEE and three EMPs will submit to ADB.

Gender:

Updated gender action plan (GAP) and Developed activity design on Refresher Course on GAP and budget proposal, the course will be conducted in August 2018.

Resettlement:

Conducted Detail Measurement Survey for Bavet Town, Re-distributed the updated PIB and conducted public consultation meeting with Aps.

Field Activities, Meeting and Other:

Coordination works for implementation of Battambang and Piopet storm drainage, Bavet urban road subprojects.



Identify for corridor of impact of new proposed alignment for south storm drain, Battambang Town. DMS of new alignment for Poipet storm drain line 2 with PIU and IRC team. Setting out alignment and corridor of impact for storm drain along NR No.5 drain and draft cross section/detail structure for south storm drain of Battambang Town and handover to RDC.

Meeting with ADB safeguards mission team at contractor office, Battambang town, and meeting at GDR/MEF, ADB resettlement team on resettlement issues along storm drain of NR No.5, Battambang Town.

Meeting with ADB on agree action plan and other issues at ADB residence.

Environmental & Social Safeguard and Training Program:

Activities of Strengthening of Institutional Capacity (see Subsection 3.6) Environmental Safeguards (see Subsection 5.1), Resettlement (see Subsection 5.2), Implementation of Gender Action Plan (see Subsection 5.3) and Assessment of Project Performance through PPMS (see Section 4).

3.2 PROCUREMENT

The Project involves the procurement of: (i) civil works with an estimated amount of \$38.22 million; (ii) consulting services, \$4.76 million; (iii) goods and equipment, \$0.42 million; and (iv) training, \$0.14 million.

3.2.1 Awarded and Ongoing, and Completed Contracts

In Q2 2018, some activities were undertaken, as of end of Q2 2018, the status of procurement was as follows:

- Consulting services 6 contracts awarded: (i) PISCD Consultant (ongoing), (ii) DED Consultant (contract expired), (iii) Procurement Specialist (ongoing), (iv) Financial Specialist (ongoing), (v) Construction Supervision (ongoing) and (vi) Environmental Specialist (ongoing). The recruitment of all consulting services has been completed
- Goods and Works all 6 contracts awarded and completed.
- Civil works
 - 1. MRF: all 8 packages of civil works, 3 out of 8 contract awarded and completed
 - 2. WWT:
 - 1 out of 3 WWT (CW06) was signed contract and completed (WWT in Battambang).
 - 1 out of 3 WWT (CW07) evaluated bidding documents and submitted to ADB for NOL (WWT/Storm Drainage in Poipet).
 - 1 out of 3 WWT (CW09a) will advertise bid on Q3 2018, (WWT/Sewerage in Poipet).



3. WWTP: Installation of new WWTP in Poipet is under preparation of bidding document for select contractor to Detail Design, construction and operational test.
4. Urban Road: Urban Road in Bavet (CW05) was signed contract and completed

3.2.2 Updated Procurement Plan

Due to budget shortfalls resulting from the depreciation of SDR, and underestimated scope of civil works and cost of construction materials in the feasibility study, the EA and ADB foresees that not all of the subprojects could be covered under the current budget situation. The subprojects were therefore prioritized and an updated procurement plan (**Appendix D**) was prepared and agreed upon by the EA and ADB.

3.3 CONSULTING SERVICES

To provide support during Project implementation, the following consultants are engaged: (i) Project Implementation Support and Capacity Development (PISCD), (ii) Detailed Engineering (DED) Consultant, (iii) Construction Supervision (CS) Consultant, (iv) External Monitoring (EM) Consultant, (v) Procurement Specialist, and (vi) Financial Specialist.

3.3.1 Project Implementation Support and Capacity Development (PISCD)

Contract No. ICB/MPWT/PMU/CTDP1/001 between the Ministry of Public Works and Transport and NJS Consultants Co., Ltd. in Joint Venture with Key Consultants (Cambodia) Ltd. was signed on August 4, 2014. The consultant began mobilizing the consulting team by August 15, 2014.

Activities of the PISCD Consultant included assisting the PMU with Procurement (see Subsection 3.2), Detailed Engineering Design (see Subsection 3.3.2), Strengthening of Institutional Capacity (see Subsection 3.6) Environmental Safeguards (see Subsection 5.1), Resettlement (see Subsection 5.2), Implementation of Gender Action Plan (see Subsection 5.3) and Assessment of Project Performance through PPMS (see Section 4).

The PISCD Consultants have also assisted PMU in the preparation of this Quarterly Report.

3.3.2 Detailed Engineering Design (DED)

During the reporting period, DED documents were completed (MRFs, WWT in Battambang and Poi Pet, Urban Road in Bavet). DED documents of new WWTP and separate sewage system in Poipet were completed. Flood control in Battambang and Neak Loeng, WWTP/sewerage in BTB and WWTP/sewage in Bavet and solid waste management in Poipet is deferred because not enough budget.

3.3.3 Construction Supervision (CS)

CS Consultants team started to work in the middle of February 2018, and joint inspection together with project management unit (PMU) officer, contractor representatives and the team leader / construction supervision consultants' beginning of the month March 2018 on construction activity & progress work of contractors that construction of civil works. As of 30 June 2018 construction activity & progress work as follow:

a) Material Recovery Facility

- Material Recovery Facility – Battambang (CW 02) progress activities is 99%



- Material Recovery Facility – Bavet (CW 03) progress activities is 85%
- Material Recovery Facility – Poipet (CW 04) progress activities is 99%

b) Construction of Wastewater treatment sub project (storm drain) - Battambang

The contractor has mobilized to the site on March 13, 2018 and start to build temporary offices, labour quarters, material yard etc. Construction work is in progress. Further, the contractor has made arrangement to check and clear Unexploded Ordnance (UXO) at the project site. An expertise team has been commenced the work on clearance of UXO along the proposed pipe line traces from third week of the month March 2018.

Overall Physical Progress 3%

Construction Activity & Progress of work

- Preparation of shop drawings 70% is completed.
- Excavation for RC, box drain along line L1 – 1 is in progress.
- Installation of rebar and form work for box drain in progress.
- Casting of concrete for box drain is in progress.
- Casting of pre-cast cover slabs for box drain is in progress.

c) Construction of Urban Road – Bavet

The contractor has mobilized to the site on March 19, 2018 and just commenced setting out of the road way.

Overall Physical Progress 1.5%

Construction Activity & Progress of work

- Clearing and grubbing at both sides of the road way is in progress.
- Road way excavation is in progress.
- Casting of pre-cast RC pipes are in progress.
- Road construction work has been slow down due to prevailing bad weather condition in the month of June 2018.

The physical & financial progress of subprojects is shown in **Table 3.1**:



Table 3.1:
Physical and Financial Progress - on 30-June-2018

Physical and Financial Progress on 30-06-2018						
Package No.	Name of the sub project	Date of commencement of work	Contract Amount (USD)	Interim Payment (USD)	Financial Progress	Physical Progress
CW 02	Material Recovery Facility - Battambang	25-Jul-17	424,991.84	417,612.29	98.00%	99.00%
CW 03	Material Recovery Facility - Bavet	25-Jul-17	389,826.64	310,231.21	80.00%	90.00%
CW 04	Material Recovery Facility - Poipet	25-Jul-17	359,571.12	346,984.15	96.00%	99.00%
CW 05	Improvement of Urban Road - Bavet	19-Mar-18	7,674,956.00	Limited Progress	0.00%	1.50%
CW 06	Waste Water Treatment - Battambang	01-Apr-18	9,368,943.03	Limited Progress	0.00%	3.00%

3.3.4 External Monitoring (EM)

External Monitoring is part of the Safeguards Monitoring for the Project. Environmental and Social Safeguards are to be monitored during the pre-construction, construction and post-construction periods. The MEF has engaged an external monitoring consultant to provide EM for resettlement activities and implementation of the Resettlement Plan (RP). The MPWT has engaged one National Environmental Specialist to provide EM of the implementation of the Environmental Management Plan (EMP). As of 30 June 2018 External Monitoring implemented of the activity as follow:

- Revised first semi-annual environmental monitoring report covering period July to December 2017 and submitted to ADB.
- Assist and monitoring organized Public consultation, Information Disclosure and Grievance Mechanism to communities.
- Assist and monitoring prepared training material

3.3.5 Financial and Procurement Specialists

The Financial and Procurement Specialists who are directly contracted by the PMU (since 10 June 2016) are responsible for the preparation of quarterly financial management report, and procurement report, respectively.



3.4 ADOPTION AND IMPLEMENTATION OF THE SLEDP (OUTPUT 1)

The SLEDPs for Bavet, Battambang and Poipet, which were all prepared in 2011, were reviewed by relevant Government agencies and provincial authorities, and adopted by these agencies/authorities by February 2017.

There were no activities related to Public-Private Partnership (PPP) Initiatives during the 2nd Quarter 2018. The proposed PPP projects include: (i) Dry Port and Logistics Facility in Poipet; (ii) Dry Port and Logistic Facility in Bavet. The PMU indicated that these proposed PPP projects will be further examined under other studies and there is a need to prepare these documents in more detail in order to attract potential private investors.

3.5 IMPLEMENTATION OF PRIORITY URBAN INFRASTRUCTURE INVESTMENTS (OUTPUT 2)

Considering that the priority urban infrastructures was completed in the DED, three priority subprojects was constructed of civil works, two subprojects was evaluated bidding documents and other subprojects is in DED phase and deferred.

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 ranking of subprojects, in order of priority, is shown in **Table 3.2**:

Table 3.2
Ranking of Subprojects, in Order of Priority

Rank	Package	Subproject	Readiness
1	CW03	Battambang Material Recovery Facility	No potential safeguards issues as MRF will be located adjacent to the existing dumpsite (which has no potential safeguards issue).
2	CW10	Poipet Material Recovery Facility	The proposed MRF site is located on a public land proposed for the landfill. This land is currently utilized as source of borrow materials and has recently been almost completely excavated. The MRF site therefore was relocated south of the proposed landfill. The PIU has already acquired lands for new site of the MRF.
3	CW06	Bavet Material Recovery Facility	Has a potential safeguards issue as proposed MRF site is a private land. The PIU is now in the process of acquiring a land south of National Road no. 1 for the new site of the MRF.
4	CW02	Battambang Wastewater Treatment	The IRC has already acquired lands for WWTP (east), and the two main pumping stations.
5	CW08	Poipet Wastewater Treatment	The IRC has already acquired lands for WWTP and the main pumping station.
6	CW05	Bavet Urban Roads	No potential safeguards issue as improvement is confined within the existing road right-of-way.
7	CW09	Poipet Solid Waste Management	The proposed site of the landfill is public lands currently utilized as source of borrow materials and has recently been almost completely excavated.



3.6 STRENGTHENING OF INSTITUTIONAL CAPACITY

The capacity development program is intended to ensure smooth implementation of urban infrastructure and to provide sustainable capacity development. During Q2 2018, no capacity development was conducted.

So far, a total of 24 training were conducted by the PISCD Consultant, 407 participants attended in the training program, 67 of them are women, a complete list of which is presented in **Appendix E**.

Training courses was finished and closing ceremony of training on capacity development to project implementation officers was held at Khemera Battambang 1 Hotel, Chhrey Kourng Village, Sla Kaet Commune, Battambang District, Battambang Province. 34 certificates was handed over to 34 participants (PMUs/PIUs) six of them are women.



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, outcome and impact.

In this Project, although outputs, outcome and impacts 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, outcome and impact 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 assumptions and risks that affect outputs and development objectives.

4.2 ASSESSMENT OF ASSUMPTIONS AND RISKS

Assumptions and 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. Assumptions explain important conditions that affect project implementation, while risks are the probability or likelihood that key assumptions may not materialize. The assessment of assumptions and risks is presented in **Appendix F**. The main concern at present is the low level of female participation in the training conducted so far, as compared to GAP target percentage of women participants in capacity development.

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, outcome and impact by comparing actual performance, 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 G**. As of 30 June 2018, assessments of progress toward achieving Outputs 1 and 3 are being carried out since the activities toward attaining these outputs have commenced and are ongoing. Progress toward achieving Output 2, Outcome and Impact, however, can only be assessed upon completion of subprojects and during their operation.

4.4 BASELINE VALUES, PERFORMANCE TARGETS FOR INDICATORS, AND PROJECTED ACHIEVEMENTS

The projected achievements of performance target values for the indicators in the project DMF has updated based on the results of the detailed engineering design to be conducted in the 2nd, 3rd, 4th quarters of 2017 and 1st and 2nd quarters of 2018. The baseline values and performance targets, and projected achievements that need to be updated, are discussed in **Appendix H**.



SECTION 5 COMPLIANCE WITH SAFEGUARDS AND COVENANTS

5.1 ENVIRONMENTAL SAFEGUARDS

Many environmental works were made during the reporting period. As of 30 June 2018, the environmental works were undertaken the activities as following:

a) Public consultation, Information Disclosure and Grievance Mechanism:

After prepared booklet, Public consultation, Information Disclosure and Grievance Mechanism was organized in three towns, the total of participants is 113 (13 women), the participants in each town as following:

- Bavet was organized on 19 June 2018, 43 participants (2 women)
- Battambang was organized on 21 June 2018, 38 participants (10 women)
- Poipet was organized on 22 June 2018, 32 participants (1 woman)

The report of Public consultation, Information Disclosure and Grievance Mechanism, minutes and pictures was included and attached in IEE updated submit to MOE for approval and in IEE updated that will submit to ADB.

b) IEE&EMP (Poi Pet) submit to MOE:

Final draft of IEE&EMP (Poi Pet) submitted to deputy team leader and CC to Bun San, Easophy, Sothy to review and comment, after corrected from their comments, the English version of IEE&EMP and draft letter to MOE was submitted to Deputy team leader and then to PMU for approval, finalized IEE&EMP was submitted to MOE for approval on July 5, 2018.

c) CEMP:

I have sent CEMP and Healthy&Safety from contractor in Battambang town to deputy team leader and CC to Mr. Bun San after corrected from my review and Comment. CEMP from MRFs not received yet until now after my review and comment, and CEMP of urban road in Bavet re-submitted again after my review and comment on 13 July 2018.

d) Training Course:

Base on meeting in contractor's campsite of Battambang town on 25 June 2018, we take action follow agree action plan, the training material for conduct training to contractors, PIUs and PMUs was corrected and improved, after Mr. Bun San sent draft of training material to Mr. Easophy and Mr. Sothy for review and comment, after corrected and improved the training material sent to Mr. Easophy, Mr. Sothy and Mr San for review and comment again on 11 July 2018. Final draft of training material submitted to deputy team leader to review and approval. The training course will conduct at contractor's campsite Battambang Town on 19-20 July 2018. There are 20 participants from PMUs, PIUs, CSs and contractors will attend in training program.



e) One IEE and Three EMPs:

One IEE and three EMPs is under updated, final draft of one IEE and two EMPs will be submitted to ADB for review and comment. The EMP for Battambang was submitted in October 2017, and has been approved by ADB.

Public information booklet is presented in **Appendix I**

5.2 RESETTLEMENT

During the reporting period (April-June 2018) the Resettlement Specialists were undertaken to prepared resettlement progressed as following activities:

- Conducted Detail Measurement Survey for Bavet Town. The DMS Started: 19 April 2018. End 30 May 2018
- Date for IRC Conducted Public Consultation meeting with Aps

No.	District	Commune /Village	Venue/Place	Date	Time	No. Participation		Others
						Male	Female	
1	Poipet	Poipet	Palilay Pagoda	6-Feb-18	1h:30 AM	46	9	55
2	Battambang	Prek Prah Sdach	Prek Prah Sdach	21-Feb-18	8h:30 AM	16	7	23
3	Sangke	Anlong Vil	Sangke	22-Mar-18	8h:30 AM	20	13	33
4	Battambang	Ratanak	Ratanak	21-Feb-18	2h:00 PM	21	13	34
5	Bavet	Bavet	Bavet Kandal School	19-Mar-18	8h:30 AM	86	12	98
6	Battambang	Prek Prah Sdach	Prek Prah Sdach	7-Mar-18	8h:30 AM	32	10	42
7	Sangke	Anlong Vil	Sangke	5-Jun-18	8h:30 AM	16	10	26
Total						237	74	311

- Date for Re-distributed the updated PIB
 - a) Re-Dissemination updated PIB for Bavet on date: 01-02 June 2018
 - b) Re-Dissemination updated PIB for Battambang on date: 05-06 June 2018
 - c) Re-Dissemination updated PIB for Poipet on date: 07 June 2018

5.3 IMPLEMENTATION OF GENDER ACTION PLAN

During the reporting period the Gender Specialist was remobilized, the Gender Specialist accomplished of implementation of Gender Action Plan as following activities:

- Developed activity design on Refresher Course on GAP and asked PMU Director for approval and will be conducted in August 2018. The refresher training aimed at orienting the new stakeholders hopefully, towards strengthening the PMU, PIUs, other project partners' capacities such as Ministry/Provincial Department of Women's Affairs, Health Educator and Civil Work Contractor representatives, for active involvement with the project.
- Keep monitor how civil work contractors mobilize unskilled women in the construction work. Support civil work to ensure that the gender action targets on 30% women unskilled laborers. The civil work contractor including MRFs of Poipet,



Battambang, Bavet, waste water treatment of Battambang, and national road No. 1 of Bavet.

GAP Implementation Progress is presented in **Appendix J**

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

There are 21 key loan covenants, out of which twelve (12) are complied with, five (5) 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 K**.

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



SECTION 6

MAJOR PROJECT ISSUES AND PROBLEMS, AND ACTIONS TAKEN

The major project issues and problems encountered, and actions taken during Q2 2018 were:

Issues/Problems	Action Taken
1. Budget shortfall due to the depreciation of the SDR against the US\$, and underestimated scope of civil works and cost of construction materials in the feasibility study.	• EA and ADB agreed to the prioritization of subprojects such that total cost will be within the available budget. • EA & ADB agreed to the reallocation of loan/grant proceeds.
2. Compared to the original plan, the implementation of the Project has been delayed by about 24 months. The likelihood is high that civil works may not be completed within the remaining loan period.	• A proposal for the extension of the loan/grant closing date by 24 months, from 30 June 2019 to 30 June 2021, will be prepared by the EA/MEF for approval by ADB.
3. Poipet WWTP site surrounded by Poipet City's water supply source	• MEF and PMU have purchased more land adjacent to the MPS for construction of WWTP (Package WWTP).
4. Follow the GAP, the total number per town could not be 500 for organize training for women due lack of the participants and limited budget.	• Propose 200 women per town for skills training on preferred new jobs by women who will be affected by the construction of the drainage system and road construction. This activity will be integrated in the agreement of the contractors.



SECTION 7 ACTIVITIES FOR THE NEXT STEPS

The work plan for the next steps is presented in **Table 7.1**.

Table 7.1
WORK PLAN FOR NEXT STEPS (3rd Quarter 2018)

Main Task	Activities to be Carried out	Responsible	Agreed Due Date
Civil Work	Construction supervision and coordination works for implementation of Battambang, Poipet and Bavet Sub-projects.	PISCD & CS Consultant	Q3 2018
DED	- Coordination works for DED of Bavet storm drain subproject. - Coordination works for tendering process for Poipet sewerage subproject.	PISCD	Q3 2018
Procurement	- Evaluation of Contractors' Bidding Documents for Poipet Storm Drain Subproject - Bid advertisement for Poipet sewerage subproject - Bid advertisement WWTP in Poipet	Procurement Specialist	Q3 2018 Q3 2018 Q3 2018
Implementation of Gender Action Plan	- Support PMU for service contracting for HIV etc. - Conduct Refresher Course on Gender Action Plan. - Assist PIU to monitor civil work contractors regarding core labor issues and unskilled women in construction. - Monitor PMU/PIU gender balance in staffing pattern. - Preparation of ToR for service contractor to do market demand study whose results will be the basis for the identification of suitable and market-driven livelihood activities where women will be trained; - Undertake preparatory meetings with PDOH health educators on hygiene and community sanitation information dissemination;	PISCD Social Safeguards & Gender Specialists	July-Sept 2018
Resettlement	Processing DMS data with IRC-WG/GDR at MF to finalized data tables for Updated Resettlement Plan for	PISCD Resettlement Specialists	Q3 2018



Main Task	Activities to be Carried out	Responsible	Agreed Due Date
	Poipet. • Checking DMS data and RCS Report to confirm to IRC-WG/GDR to finalize with REDECAM for assets that no unit rate in RCS. • Update Resettlement Plan with for Poipet for submitted to PMU/MPWT and GDR/MEF and ADB for comment.	Specialists	
Environmental Safeguards	• Conduct training on environmental management and monitoring plan to PMUs, PIUs and contractors • Training report • Review contractor's CEMP (MRFs) • Final draft of revised first semi-annual environmental monitoring report covering period July to December 2017 after comment from ADB. • Prepare second-annual environmental monitoring report covering period January to June 2018 • Updated one IEE and three EMPs and submit to ADB.	PISCD Environmental Safeguards Specialist	Q3 2018
PPMS	• Updating of projected accomplishments of performance, baseline and target values. • Data collection/information for prepare draft of 3rd quarterly report 2018	PISCD PPMS Specialist	Q3 2018



APPENDIX A

KEY MEMBERS OF PROJECT MANAGEMENT UNIT AND PROJECT IMPLEMENTATION UNITS

A.1 Key Members of Project Management Unit

PMU Member	Project Responsibility	Phone
1. H.E. Vong Pisith	- Project Director	
2. Mr. Pou Manith	- Procurement Officer	012 803 203
3. Ms. Thap Solini	- Financial Officer	
4. Mr. Vong Rada	- Technical Officer and Gender Focus Point	012 451545
5. Mr. Vong Litet	- Social & Environmental Affairs	
6. Mr. Chay Vila	- Municipal Development Planning	092 443 434
7. Mr. Sros Sitharith	- Impact Assessment	
8. Mr. Pal Piseth	- General Administrator	
9. Mr. Nuon Sikheng	- Liaison Officer	
10. Mr. Ung Sa Em	- Driver	
11. Mr. Nget Chan Goeun	- Driver	
12. Mr. Mao Chansok	- Driver	
13. Mrs. Srey Chea	- Office Support	

A.2 Key Members of Project Implementation Units

PIU Member	Project Responsibility	Phone
Battambang		
1. Mr. Chan Sambo	- Chief of PIU	092 930 966
2. Mr. Dy Pao	- Deputy Chief of PIU	
3. Mrs. Kem Sokuntheary	- Administrative & Financial Officer	092 818017
4. Mr. Prounh Rith Tha	- Technical Officer	
5. Mr. Song Soeung	- Technical Officer	012 975 250
6. Mr. Nou Chamroeun	- Urban Development Plan	
7. Ms. Sok Kinna	- Social & Environmental Officer	012 479 030
8. Mrs. Toun Bopha	- Impact Assessment	
9. Mr. Nou Chhorvivann	- Coordinator and Gender Focus Point	017 260 560



PIU Member	Project Responsibility	Phone
Poipet		
1. Mr. Chea Sovanthoun	- Chief of PIU	012 220 015
2. Mr. Touch Mony	- Deputy Chief of PIU	012 998 998
3. Mr. Chheang Monin	- Technical Officer	
4. Mr. Orn Siphea	- Technical Officer	012 686 196
5. Mr. Sok Penhnane	- Urban Development Plan	
6. Ms. Chhay Vannin	- Administrative & Financial Officer	012 509 158
7. Mr. Sang Sony	- Social & Environmental Officer	077 319 444
8. Ms. Sophal Leaphea	- Impact Assessment and Gender Focus Point	
9. Mr. Rinh Bunchhuoy	- Coordinator	
Neak Loeung		
1. Mr. Kry Rathat	- Chief of PIU	092 497 374
2. Mr. Yaem Pheara	- Deputy Chief of PIU	097 249 3342
3. Mr. Nhem Sokheoun	- Technical Officer	
4. Mr. Chheung Choeun	- Urban Development Plan	
5. Mr. Khorn Phy	- Social & Environmental Officer	
6. Mrs. Phat Sreysros	- Gender & Public Campaign Officer	
7. Mr. Prak Sareth	- Impact Assessment	
Bavet		
1. Mr. Noun Lihoun	- Chief of PIU	012 707 616
2. Mr. Ung Sa	- Deputy Chief of PIU	
3. Mr. Yun Raksmeay	- Technical Officer	
4. Mr. Sok Sophal	- Administrative & Financial Officer	097 751 6364
5. Mr. Keo Sarang	- Social & Environmental Officer and Gender Focus Point	
6. Mr. Kham Rithy	- Urban Development Plan	097 481 1801



APPENDIX B REVISED OVERALL PROJECT IMPLEMENTATION PLAN

Year	2013				2014				2015				2016				2017				2018				2019				2020				2021			
Month	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4				
Loan Agreements	■																																			
RFP for PIS/CD Consulting Services				■																																
Proposal Due for PIS/CD Consulting services					■																															
Consultant Selection for PIS/CD Consulting Services						■	■																													
Consultant Selection for Detailed Engineering Design Services							■	■	■	■	■	■																								
Consultant Selection for Construction Supervision Services													■	■																						
A. Bavet																																				
Urban Roads																																				
Preliminary Design Review									■	■																										
Detailed engineering design																	■	■																		
Land acquisition and resettlement																					■	■														
Prequalification and bidding																					■	■														
Construction of civil works																						■	■	■	■											
Procurement of equipment																																				
Construction Supervision																																				
Wastewater Treatment Plant																																				
Preliminary Design Review																																				
Detailed engineering design																																				
Land acquisition and resettlement																																				
Prequalification and bidding																																				
Construction of civil works																																				
Procurement of equipment																																				
Construction Supervision																																				
Materials Recovery Facility																																				
Preliminary Design Review																																				
Detailed engineering design																	■																			
Land acquisition and resettlement																	■																			
Prequalification and bidding																		■																		
Construction of civil works																					■	■	■	■												
Procurement of equipment																						■	■													
Construction Supervision																																				
Urban Drainage																																				
Detailed engineering design																																				
Land acquisition and resettlement																																				
Prequalification and bidding																																				
Construction of civil works																																				
Construction Supervision																																				



B. Battambang	
Wastewater Treatment (Storm Drain)	
Preliminary Design Review	
Detailed engineering design	
Land acquisition and resettlement	
Prequalification and bidding	
Construction of civil works	
Procurement of equipment	
Construction Supervision	
Flood Control	
Preliminary Design Review	
Detailed engineering design	
Land acquisition and resettlement	
Prequalification and bidding	
Construction of civil works	
Procurement of equipment	
Construction Supervision	
Materials Recovery Facility	
Preliminary Design Review	
Detailed engineering design	
Land acquisition and resettlement	
Prequalification and bidding	
Construction of civil works	
Procurement of equipment	
Construction Supervision	



C. Neak Loeng	
Flood Protection	
Preliminary Design Review	
Detailed engineering design	
Land acquisition and resettlement	
Prequalification and bidding	
Construction of civil works	
Procurement of equipment	
Construction Supervision	
D. Poipet	
Wastewater Treatment Plant (Mechanical Type)	
Preliminary Design Review	
Bidding and Contract	
Land acquisition and resettlement	
Design and Construction of Civil Works	
Commissioning and Testing	
Construction Supervision	
Storm Drainage	
Preliminary Design Review	
Detailed engineering design	
Land acquisition and resettlement	
Prequalification and bidding	
Construction of civil works	
Procurement of equipment	
Construction Supervision	
Materials Recovery Facility	
Preliminary Design Review	
Detailed engineering design	
Land acquisition and resettlement	
Prequalification and bidding	
Construction of civil works	
Procurement of equipment	
Construction Supervision	



	Ministry of Public Works and Transport
	Detailed Engineering Design (DED) Consultant
	Construction Contractor
	Construction Supervision (CS) Consultant
	Project Implementation Support and Capacity Development Consultant
	To be determined (PISCD Consultant or other)
	External Monitoring Organization



APPENDIX C LOANS AND GRANTS UTILIZATION

Status of Loan Utilization (Loan 2983)

As of 30 June 2018

Cat. Ref.	Category Name	US Dollars					
		Allocation	Contracts Awarded	Uncontracted Loan Balance	Contracts Disbursed	Undisbursed Loan Balance	Undisbursed Contract Balance
		A	B	C = A - B	D	E = A - D	F = B - D
01	Works		-	-	-	-	-
1A	CW- Battambang WWT	16,181,564	7,017,338	9,164,225	876,933	15,304,631	6,140,405
1B	CW- Road and Solid Waste M	9,758,144	-	9,758,144	1,151,243	8,606,900	(1,151,243)
1D	CW- Bavet Urban Road	5,010,000	7,674,956	(2,664,956)	-	5,010,000	7,674,956
02A	CS - PISCD	1,843,610	1,853,773	(10,164)	1,571,349	272,261	282,425
02B	CS - DED	659,582	882,448	(222,866)	629,004	30,578	253,444
02C	CS - Construction Supervision	733,832	713,065	20,767	71,858	661,974	641,207
02D	CS - External Monitoring	113,875	-	113,875	-	113,875	-
03	Equipment	418,717	367,305	51,412	367,281	51,436	24
04	Training	136,936	-	136,936	-	136,936	-
05A	Incremental Admin - PMU	333,741	154,656	179,085	112,133	221,608	42,522
05B	Incremental Admin - PIUs	330,048	60,000	270,048	58,562	271,485	1,438
06	Unallocated	2,450,767	-	2,450,767	59,892	2,390,875	(59,892)
07	Interest During Construction	817,725	-	817,725	238,605	579,120	(238,605)
99	Imprest Account	(7,406)	-	(7,406)	-	(7,406)	-
	Total	38,781,135	18,723,541	20,057,593	5,136,860	33,644,274	13,586,681

Status of Loan Utilization (Loan 8265)

As of 30 June 2018

Cat. Ref.	Category Name	US Dollars					
		Allocation	Contracts Awarded	Uncontracted Loan Balance	Contracts Disbursed	Undisbursed Loan Balance	Undisbursed Contract Balance
		A	B	C = A - B	D	E = A - D	F = B - D
01	Works						
1A	CW- Battambang WWT	3,780,000	1,274,176	2,505,824	215,017	3,564,983	1,059,159
2A	CS - PISCD	368,163	368,163	-	312,072	56,091	56,091
2B	CS - DED	100,430	137,598	(37,168)	98,079	2,351	39,519
2C	CS - Construction Sup.	270,435	270,435	-	27,256	243,179	243,179
03	Incremental Administration	1,291	20,000	(18,709)	1,290	1	18,710
04	Interest during Construction	13,000	-	13,000	838	12,162	(838)
05	Unallocated	466,681	-			466,681	-
	Imprest Account			-	34,150	34,150	(34,150)
	Total	5,000,000	2,070,372	2,462,947	688,704	4,379,596	1,381,669



Status of Grant Utilization (Grant 0334)

As of 30 June 2018							
Cat. Ref.	Category Name	US Dollars					
		Allocation	Contracts Awarded	Uncontracted Loan Balance	Contracts Disbursed	Undisbursed Loan Balance	Undisbursed Contract Balance
		A	B	C = A - B	D	E = A - D	F = B - D
01	Works						
01	Material Recovery Facility	1,390,000	1,174,390	215,610	853,386	536,614	321,004
03	Unallocated	110,000	-	110,000	-	110,000	-
	Total	1,500,000	1,174,390	325,610	853,386	646,614	321,004

Status of Grant Utilization (Grant 0335)

As of 30 June 2018							
Cat. Ref.	Category Name	US Dollars					
		Allocation	Contracts Awarded	Uncontracted Loan Balance	Contracts Disbursed	Undisbursed Loan Balance	Undisbursed Contract Balance
		A	B	C = A - B	D	E = A - D	F = B - D
01	Works						
1A	CW- Battambang WWT	3,270,000	1,077,428	2,192,572	313,391	2,956,609	764,037
02A	CS - PISCD	370,756	370,755	1	314,270	56,486	56,485
02B	CS - DED	85,490	117,129	(31,639)	83,489	2,001	33,640
02C	CS - Construction Sup.	245,850	245,850	-	24,779	221,072	221,072
03	Incremental Administration	1,391	30,000	(28,609)	1,391	0	28,609
04	Unallocated	426,513	-	426,513	-	426,513	-
	Imprest Account		-	-	32,245	(32,245)	(32,245)
	Total	4,400,000	1,841,162	2,558,838	769,564	3,630,436	1,071,598



APPENDIX D UPDATED PROCUREMENT PLAN (Updated as of 23 April 2018)

Basic Data

Project Name: Greater Mekong Subregion Southern Economic Corridor Towns Development Project	
Project Number: 43319-033	Approval Number: 2983/8265/0334/0335
Country: Cambodia	Executing Agency: Ministry of Public Works and
Project Procurement Classification: Category A	Implementing Agency: N/A
Project Procurement Risk: Low	
Project Financing Amount: US\$ 54,780,000 ADB Financing: US\$ 37,000,000 Cofinancing (ADB Administered): US\$ 10,900,000 Non-ADB Financing: US\$ 6,880,000	Project Closing Date: - Original: 30 June 2019 - Revised: 30 June 2021
Date of First Procurement Plan: 10 December 2012	Date of this Procurement Plan: 23 April 2018

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

1. Procurement and Consulting Methods and Thresholds

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

Procurement of Goods and Works		
Method	Threshold	Comments
International Competitive Bidding for Goods	US\$ 1,000,000 and Above	
National Competitive Bidding for Goods	Beneath that stated for ICB, Goods	The first language version of National Competitive Bidding is subject to prior review, thereafter post review.
Shopping for Goods	Below US\$ 100,000	The first language version of shopping is subject to prior review, thereafter post review.
International Competitive Bidding for Works	US\$ 3,000,000 and Above	
National Competitive Bidding (NCB) for Works	Beneath that stated for ICB, Works	The first language version of National Competitive Bidding is subject to prior review, thereafter post review.
Shopping for Works	Below US\$ 100,000	The first language version of shopping is subject to prior review, thereafter post review.



Consulting Services	
Method	Comments
Consultant's Qualification Selection for Consulting Firm	Prior review
Quality- and Cost-Based Selection for Consulting Firm	Prior review
Individual Consultants Selection for Individual Consultant	Prior review

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

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

Package Number	General Description	Estimated Value (US\$)	Number of Contracts	Procurement Method	Review (Prior/ Post)	Bidding Procedure	Advertisement Date (quarter/year)	Comments
CW-07	Poipet Wastewater Treatment Subproject (storm drainage)	2,980,000	1	NCB	Prior	1S1E	Q1 / 2018	Prequalification of Bidders: N Domestic Preference Applicable: N Bidding Document: Based on SOP/PM of Cambodia
CW-09a	Poipet Wastewater Treatment Sub-project (Sewerage)	5,570,000	1	ICB	Prior	1S1E	Q2 / 2018	Prequalification of Bidders: N Domestic Preference Applicable: N Bidding Document: Small Works
CW-09b	Poipet Solid Waste Management Sub-project	6,230,000	1	ICB	Prior	1S1E	Q2 / 2018	Prequalification of Bidders: N Domestic Preference Applicable: N Bidding Document: Small Works



Package Number	General Description	Estimated Value (US\$)	Number of Contracts	Procurement Method	Review (Prior/ Post)	Bidding Procedure	Advertisement Date (quarter/year)	Comments
CW-12	Poipet Wastewater Treatment Plant (Mechanical)	6,000,000	1	ICB	Prior	Design-Build Procurement of Plant 1S2E	Q2 / 2018	Prequalification of Bidders: N Domestic Preference Applicable: N Bidding Document: ADB SBD Procurement of Plant December 2016

3. Consulting Services Contracts Estimated to Cost \$100,000 or More

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

Package Number	General Description	Estimated Value	Recruitment Method	Review (Prior/ Post)	Advertisement Date (quarter/year)	Type of Proposal	Comments

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

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

Goods and Works								
Package Number	General Description	Estimated Value	Number of Contract	Procurement Method	Review (Prior/ Post)	Bidding Procedure	Advertisement Date (quarter/year)	Comments

Consulting Services							
Package Number	General Description	Estimated Value	Recruitment Method	Review (Prior/ Post)	Advertisement Date (quarter/year)	Type of Proposal	Comments



B. Indicative List of Packages Required Under the Project

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

Goods and Works							
Package Number	General Description	Estimated Value (cumulative)	Estimated Number of Contracts	Procurement Method	Review (Prior/Post)	Bidding Procedure	Comments
G-08	Equipment (Rubber wheel backhoe 2 units, Crane mounted truck: 2 units, Vacuum truck: 2 unit, High pressure cleaner (jet cleaning machine for sewer/storm drain): 1 unit, Traffic sign: 16 units and Traffic corner: 40 units)	450,000	1	NCB	Prior	1S1E	Subject to the availability of funds
CW-08	Bavet Wastewater Treatment Subproject	3,220,000	1	ICB	Prior	1S1E	Subject to the availability of funds
CW-10	Neak Loeung Flood Control Subproject	3,980,000	1	ICB	Prior	1S1E	Subject to the availability of funds
CW-11	Battambang Flood Control Subproject	2,090,000	1	NCB	Prior	1S1E	Subject to the availability of funds

Consulting Services							
Package Number	General Description	Estimated Value (cumulative)	Estimated Number of Contracts	Recruitment Method	Review (Prior/Post)	Type of Proposal	Comments
NA							

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

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

1. Awarded and Ongoing Contracts

Goods and Works							
Package Number	General Description	Estimated Value (US\$)	Awarded Contract Value (US\$)	Procurement Method	Advertisement Date (quarter/year)	Date of ADB Approval of Contract Award	Comments
CW02	Battambang Materials Recovery Facility Subproject	480,000	424,991.84	NCB	08-May-2017	07-Jul-17	Taing Cheng Oing Construction & Import Export Co., Ltd (VO1= US\$465,709.30)



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Goods and Works							
Package Number	General Description	Estimated Value (US\$)	Awarded Contract Value (US\$)	Procurement Method	Advertisement Date (quarter/year)	Date of ADB Approval of Contract Award	Comments
CW03	Bavet, Materials Recovery Facility Subproject	420,000	389,826.64	NCB	08-May-2017	07-Jul-17	Taing Cheng Oing Construction & Import Export Co., Ltd (VO1= US\$418,848.05)
CW04	Poipet Materials Recovery Facility Subproject	490,000	359,571.12	NCB	08-May-2017	07-Jul-17	Taing Cheng Oing Construction & Import Export Co., Ltd (VO1= US\$615,442.65)
CW-06	Battambang Wastewater Treatment Subproject	12,000,000	9,368,943.03	ICB	Prior	03-Jan-18	Beijing Urban Construction Group Co., Ltd
CW-05	Bavet Urban Roads Subproject	9,900,000	7,674,956.00	ICB	Prior	13-Feb-18	MTA Construction Co., Ltd and Xinjiang Beixin Road and Bridge Group Co. Ltd (JV)

Services							
Package Number	General Description	Estimated Value	Awarded Contract Value	Recruitment Method	Advertisement Date (quarter/year)	Date of ADB Approval of Contract Award	Comments
CS-01	Project Implementation Support and Capacity Development	2,480,000	2,222,490.00	QCBS	Q1 / 2013	31-JUL-14	NJS Consultants Co., Ltd. VO7 =US\$2,59,2690 VO8 =US\$2,897,629.50
CS-03	Construction Supervision Consultants	1,750,000	1,229,250.00	QCBS	<u>Q3/2015</u>	05 Jan 17	Contract with RDC (lot1= US\$ 825,950, & Lot2= US\$297,300)
CS-06	National Environmental Specialist	60,000	40,934.00	ICS	<u>Q1 / 2016</u>	18 Aug 16	Contract with Mr. Bun San
CS-05	National Procurement Specialist	72,000	27,508.00	ICS	Q1 / 2016	9 June 16	Contract with Mr. Pheang Pheurn
CS-04	Financial Management Specialist	72,000	32,660.00	ICS	<u>Q1 / 2016</u>	9 June 16	Contract with Mr. Mao Dor



2. Completed Contracts

Package Number	General Description	Estimated Value	Awarded Contract Value	Procurement Method	Advertisement Date (quarter/year)	Date of ADB Approval of Contract Award	Date of Completion	Comments
G-01	Procurement of Vehicles	200,000	166,800.00	NCB	08-Apr-2015	06 Jul 2015	29-Jan-16	RMA (Cambodia) Co., Ltd
G-02	Procurement of Office Equipment	90,000	94,460.00	Shopping	26-Mar-2015	N/A	30-Nov-15	NEEKA Limited
G-03	Procurement of Office Furniture	35,000	24,945.00	Shopping without advertising	N/A	11-Nov-2015	18-Apr-16	LC Office Furniture Shop
G-04	Bavet Transformer 3 phase-100kva	5,000	11,626.00	Shopping without advertising	NA	NA	31-Aug-15	KROI KOR Electricity Supply
G-05	UAV (Drone)	45,000	78,045.00	Shopping	26- Mar -15	NA	30-Jun-16	ENVOSTAR Co., Ltd.
CW-01/1	PMU Office Renovation	15,000	15,091.31	Shopping without advertising	NA	8-Jan-15	25-Jan-16	TAING CHENG ONG CONSTRUCTION CO. LTD.
CW-01/2	Battambang Office Renovation	9,000	9,344.80	Shopping without advertising	NA	NA	24-Mar-16	Vong Reaksmy
CW-01/3	Poipet Office Renovation	7,000	7,049.00	Shopping without advertising	NA	NA	25-May-16	T.M.3 Consulting Co., Ltd.
CW-01/4	Neak Loeung Office Renovation	9,000	9,990.00	Shopping without advertising	NA	NA	21-Apr-16	Y.S.B.
CW-01/5	Bavet Office Renovation	5,000	5,760.00	Shopping without advertising	NA	NA	12-Jul-16	Chhun Nary Import Export Co., Ltd. Construction Co. Ltd.
G-06	Accounting Software	3,000	2,595.00	Shopping without advertising	NA	NA	26-Sep-16	BIZDIMNSION CO., LTD
G-07	Supply & Installation of Parts for Ford Ranger Plate No. State 25 2-0607	6,000	6151.33	Shopping without advertising	NA	NA	21-Feb-17	RMA (Cambodia) Co., Ltd.



Package Number	General Description	Estimated Value	Awarded Contract Value	Procurement Method	Advertisement Date (quarter/year)	Date of ADB Approval of Contract Award	Date of Completion	Comments
CS-02	DED consultants for all 10 subprojects	1,151,000	1,137,175.00	QCBS	Q3 / 2014	19-OCT-15	19Jun-17	FCG International Ltd.

D. National Competitive Bidding

A. Regulation and Reference Documents

1. The procedures to be followed for national competitive bidding shall be those set forth for the "National Competitive Bidding" method in the Government's Procurement Manual issued under Sub-Decree Number 74 ANKR.BK, updated version dated 22 May 2012 with the clarifications and modifications described in the following paragraphs. These clarifications and modifications are required for compliance with the provisions of the Procurement Guidelines.
2. For the procurement of ADB financed contracts under National Competitive Bidding (NCB) procedures, the use of harmonized national bidding documents (NCB and National Shopping) developed in consultation with development partners including ADB, is mandatory except where the Government and ADB have agreed to amendments to any part of the documents. The Procurement Manual also advises users to check the ADB website from time to time for any update on ADB documents, which form the basis, among others, of the existing harmonized national bidding documents.

B. Procurement Procedures

1. Application

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

2. Sanctioning

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

3. Rejection of all Bids and Rebidding

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

4. Advertising

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



C. Bidding Documents

5. Use of Bidding Documents

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

6. Bid Evaluation

8. Bidders shall not be eliminated from detailed evaluation on the basis of minor, non-substantial deviations.
9. A bidder shall not be required, as a condition for award of contract, to undertake obligations not specified in the bidding documents or otherwise to modify the bid as originally submitted.

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

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

8. ADB Policy Clauses

11. A provision shall be included in all NCB works and goods contracts financed by ADB requiring suppliers and contractors to permit ADB to inspect their accounts and records and other documents relating to the bid submission and the performance of the contract, and to have them audited by auditors appointed by ADB.
12. A provision shall be included in all bidding documents for NCB works and goods contracts financed by ADB stating that the Borrower shall reject a proposal for award if it determines that the bidder recommended for award has, directly or through an agent, engaged in corrupt, fraudulent, collusive, or coercive practices in competing for the contract in question.
13. A provision shall be included in all bidding documents for NCB works and goods contracts financed by ADB stating that ADB will declare a firm or individual ineligible, either indefinitely or for a stated period, to be awarded a contract financed by ADB, if it at any time determines that the firm or individual has, directly or through an agent, engaged in corrupt, fraudulent, collusive, coercive or obstructive practices or any integrity violation in competing for, or in executing, ADB-financed contract.



APPENDIX E

LIST OF CAPACITY DEVELOPMENT AND TRAINING CONDUCTED

Module	Title	Date	Venue	Agency	Participants		
					Female	Male	Total
11.1	Urban Asset Management	27-28 February 2018	Khemera Battambang 1 Hotel, Chhrey Kourng Village, Sla Kaet Commune, Battambang District, Battambang Province.	PMU	1	0	1
				PIU BB	2	1	3
				PIU PP	0	2	2
				PIU NL	0	2	2
				PIU BV	0	2	4
				Total	3	7	10
3.2	GIS Mapping by using computer software ArcMAP	08-12 January 2018	Guest house Svay Rieng Red Cross National Road No.1, Svay Rieng City	PMU	0	0	0
				PIU BB	0	3	3
				PIU PP	0	3	3
				PIU NL	0	3	3
				PIU BV	0	2	2
				Total	0	11	11
4.1	Best Practices in Project Management of ODA funded Project	18-20 December 2017	Destiny Cafe, National Road No.5, Poipet Municipality, Banteay Meanchey Province	PMU	1	2	3
				PIU BB	2	2	4
				PIU PP	1	3	4
				PIU NL	1	3	4
				PIU BV	-	4	4
				Total	5	14	19
1.4	Consultation and Participation	21-22 December	Destiny Cafe, National Road No.5,	PMU	1	2	3



Module	Title	Date	Venue	Agency	Participants		
					Female	Male	Total
	Approaches for Safeguards	2017	Poipet Municipality, Banteay Meanchey Province	PIU BB PIU PP PIU NL PIU BV Total	2 1 1 - 5	2 3 3 4 14	4 4 4 4 19
10.2	Monitoring Compliance of Social and Environmental Safeguards	29-30 November 2017	Khemera Battambang 1 Hotel, Chhrey Kourng Village, Sla Kaet Commune, Battambang District, Battambang Province.	PMU PIU BB PIU PP PIU NL PIU BV Total	- 2 2 1 - 5	2 3 2 4 4 15	2 5 4 5 4 20
10.1	PPMS Training, Physical and Financial Progress Reporting	27-28 November 2017	Khemera Battambang 1 Hotel, Chhrey Kourng Village, Sla Kaet Commune, Battambang District, Battambang Province.	PMU PIU BB PIU PP PIU NL PIU BV Total	- 2 2 1 - 5	2 3 2 4 4 15	2 5 4 5 4 20
4.4	Human Resource Development	16-17 November 2017	Mittapheap Hotel, House No.01, National Road No.11, Prey Veng City	PMU PIU BB PIU PP PIU NL PIU BV	- 1 - - -	- 2 2 2 2	- 3 2 2 2



Module	Title	Date	Venue	Agency	Participants		
					Female	Male	Total
				Total	1	8	9
4.3	Project Administrative Management Procedures	13-15 November 2017	Mittapheap Hotel, House No.01, National Road No.11, Prey Veng City	PMU	1	2	3
				PIU BB	1	2	3
				PIU PP	-	2	2
				PIU NL	-	2	2
				PIU BV	-	2	2
				Total	2	10	12
7.2	Resettlement	27-28 September 2017	Guest house Svay Rieng Red Cross National Road No.1, Svay Rieng City	PMU	1	4	5
				PIU BB	2	2	4
				PIU PP	1	3	4
				PIU NL	1	3	4
				PIU BV	-	2	2
				Total	5	14	19
4.2	Work and Financial Planning	25-26 April 2017	Mittapheap Hotel, House No.01, National Road No.11, Prey Veng City	PMU	-	3	3
				PIU BB	1	1	2
				PIU PP	1	1	2
				PIU NL	-	2	2
				PIU BV	-	2	2
				Total	2	9	11
8.4	Environmental Safeguards on Urban Infrastructure Investment	15-16 Marc 2017	Waikor Hotel in SvayRieng Province	PMU	-	1	1
				PIU BB	2	2	4
				PIU PP	-	3	3



Module	Title	Date	Venue	Agency	Participants		
					Female	Male	Total
				PIU NL	-	5	5
				PIU BV	-	4	4
				Total	2	15	17
8.3	Climate Resilience Measure	13-14 Marc 2017	Waikor Hotel in SvayRieng Province	PMU	-	3	3
				PIU BB	2	2	4
				PIU PP	-	4	4
				PIU NL	-	6	6
				PIU BV	-	5	5
				Total	2	20	22
9.1	Gender Action Plan	4-5 Jan 2017	Destiny Cafe, National Road No.5, Poipet Municipality, Banteay Meanchey Province	PMU	1	1	2
				PIU BB	2	-	2
				PIU PP	1	3	4
				PIU NL	1	3	4
				PIU BV	-	3	3
				Total	5	10	15
3.1	Town Mapping and Aerial Image Data Collection	05 -09 Dec. 2016	Emerald Hotel, Street 208, Rumchek 4 Village, Ratanak Commune, Battambang District, Battambang	PMU	-	2	2
				PIU BB	-	1	1
				PIU PP	-	1	1
				PIU NL	-	1	1
				PIU BV	-	1	1
				Total	0	6	6
7.1	Poverty and social impact assessment	25 - 27 Oct. 2016	Mittapheap Hotel, House No.01, National Road No.11, Prey Veng City	PMU	-	2	2



Module	Title	Date	Venue	Agency	Participants		
					Female	Male	Total
	assessment		National Road No.11, Prey Veng City	PIU BB	2	2	4
				PIU PP	1	3	4
				PIU NL	1	3	4
				PIU BV	-	4	4
				Total	4	14	18
2.4	Fundamentals of Flood Protection and Drainage	20 -21 Oct. 2016	Destiny Cafe, Palalay Village, National Road No.5, Municipality Poipet, Bantey Mean Chey Province	PMU	1	1	2
				PIU BB	1	2	3
				PIU PP	-	3	3
				PIU NL	-	2	2
				PIU BV	-	2	2
				Total	2	10	12
2.3	Fundamentals of Solid Waste Management and Sanitary Landfill	18 -19 Oct. 2016	Waikor Hotel in Svay Rieng Province	PMU	-	3	3
				PIU BB	1	2	3
				PIU PP	-	3	3
				PIU NL	-	2	2
				PIU BV	-	2	2
				Total	1	12	13
1.1	Overview of Urban Infrastructure Development	22-23 Sept. 2016	Khemera Battambang 1 Hotel, Chhrey Kourng Village, Sla Kaet Commune, Battambang District, Battambang Province.	PMU	1	3	4
				PIU BB	2	5	7
				PIU PP	1	8	9
				PIU NL	-	4	4
				PIU BV	-	5	5



Module	Title	Date	Venue	Agency	Participants		
					Female	Male	Total
				Total	4	25	29
1.3	Gender Sensitization and Awareness	21 Sept. 2016	Khemera Battambang 1 Hotel, Chhrey Kourng Village, Sla Kaet Commune, Battambang District, Battambang Province.	PMU	1	3	4
				PIU BB	2	5	7
				PIU PP	1	8	9
				PIU NL	-	4	4
				PIU BV	-	5	5
				Total	4	25	29
1.2	Coordination and Networking Mechanisms	19-20 Sept. 2016	Khemera Battambang 1 Hotel, Chhrey Kourng Village, Sla Kaet Commune, Battambang District, Battambang Province.	PMU	1	3	4
				PIU BB	2	5	7
				PIU PP	1	8	9
				PIU NL	-	4	4
				PIU BV	-	5	5
				Total	4	25	29
2.2	Fundamentals of Wastewater Treatment Systems	08-09 Sept. 2016	Waikor Hotel in Svay Rieng Province	PMU	1	3	4
				PIU BB	0	3	3
				PIU PP	0	3	3
				PIU NL	0	3	3
				PIU BV	0	3	3
				Total	1	15	16
2.1	Fundamentals of Sewer Systems	06 -07 Sept. 2016	Waikor Hotel in Svay Rieng Province	PMU	1	3	4
				PIU BB	-	3	3
				PIU PP	-	3	3



Module	Title	Date	Venue	Agency	Participants		
					Female	Male	Total
				PIU NL	-	3	3
				PIU BV	-	3	3
				Total	1	15	16
8.2	Updating the Environmental Management Plan	04-05 Aug. 2016	Tonle Basac II, Phnom Penh	PMU	-	2	2
				PIU BB	1	1	2
				PIU PP	-	2	2
				PIU NL	-	2	2
				PIU BV	-	2	2
				Total	1	9	10
8.1	Integration of Environmental Management element into the project cycle	02-03 Aug. 2016	Cambodiana Hotel and Tonle Basac II, Phnom Penh	PMU	-	3	3
				PIU BB	3	3	6
				PIU PP	-	6	6
				PIU NL	-	5	5
				PIU BV	-	5	5
				Total	3	22	25
24 Modules				Grand Total	67	340	407



APPENDIX F ASSESSMENT OF ASSUMPTIONS AND RISKS

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

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

Reporting Date: 30 June 2018
[Quarterly]

Prepared by: PMU/PIUs assisted by Nat'l. M&E Specialist
[PMU/PIUs]

Assumption / Risk for Outputs		Rating (HS,S,PS,U)	Assessment of Current Status
Assumptions:			
1.	Local authorities endorse the SLEDPs and associated budgets	S	Adopted SLEDPs by December 2016.
2.	Women's participation in SLEDP preparation increased, women's needs identified through participatory processes and reflected in the SLEDPs	-	SLEDPs will be updated by 2018 when women's participation will be encouraged.
3.	Environmental and social risks can be mitigated	S	EMPs and RPs and was addressed in DED & adequately considered in the bid documents.
4.	Priority infrastructure will promote gender equality and/or women's empowerment by improving women's access to, and use of opportunities, services, resources, and assets; and contribute to increased participation in decision making	S	GAP will be addressed in the DED and adequately considered in the bid documents.
5.	Capacity development activities take gender balance into account	PS	20% of women participated in CD activities
6.	Specific training on gender aspects & issues provided to all staff of executing & implementing agencies & project implementing units	S	Specific training on Gender Action Plan & Gender sensitization and awareness provided to all staff, 44 staffs of PMU&PIUs attended in training, 9 out of them are women.

Risks:		Mitigated (Y/N)	Rating (HS,S,PS,U)	Assessment of Current Status
1.	Local authorities do not recognize the need for continued capacity development	Y	S	Satisfactory attendance in training
2.	Required budgets for sustaining operations are not allocated	-	-	Not due yet as subprojects are in construction and DED phase.
3.	Delayed or incomplete settlement of land acquisition and resettlement entitlements	Y	S	Resettlement activities to start in Q1 2017 and ongoing.
4.	Lack of municipal quality control and performance evaluation	Y	HS	Construction works to start Q3 2017. CS



Ministry of Public Works and Transport, Kingdom of Cambodia
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Risks:	Mitigated (Y/N)	Rating (HS,S,PS,U)	Assessment of Current Status
			started activities on Q1 2018

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

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

M&E Form no. 7B
June 2015

Reporting Date: 30 June 2018

Prepared by: PMU/PIUs assisted by Nat'l. M&E Specialist

[Quarterly]

[PMU/PIUs]

Assumption / Risk for Outcome and Impact		Rating (HS,S,PS,U)	Assessment of Current Status
Outcome: Urban infrastructure improved and climate resilience enhanced in Battambang, Bavet, Neak Loeung, and Poipet - from 2018 to 2020			
Assumptions:			
The government remains committed to sustainable management of urban infrastructure as a national development priority		HS	There is strong support from National and provincial governments.
Risks:	Mitigated (Y/N)	Rating (HS,S,PS,U)	Assessment of Current Status
Government regulations do not fully support sustainable decentralized operation and maintenance of urban infrastructure	-	-	O&M of infrastructure to start by Q2 2019.
Impact: The towns of Battambang, Bavet, Neak Loeung & Poipet will become centers of economic activity in the Southern Economic Corridor - by 2025			
Assumptions:		Rating (HS,S,PS,U)	Assessment of Current Status
Government remains fully committed to the Project			
Risks:	Mitigated (Y/N)	Rating (HS,S,PS,U)	Assessment of Current Status
Corridor towns unable to collect revenue for wastewater treatment plants, sanitary landfill, and solid waste management	-	-	Operation of WWT subprojects to start in Q4 2020.

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



APPENDIX G DMF TARGETS VS ACHIEVEMENTS

PROJECT PERFORMANCE MONITORING AND EVALUATION
GMS: Southern Economic Towns Development Project

M&E Form no. 8A
June 2015

Reporting Date: 30 June 2018 [Quarterly]

Prepared by: PMU/PIUs assisted by Nat'l. M&E Specialist
[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: SLEDPs adopted and implemented in Battambang, Bavet, Neak Loeung, and Poipet - by 2018			
1.1 SLEDPs with sex-specific and climate-resilience measures incorporated, adopted, & disclosed; updated as required. [Validation with PIUs and corridor towns in Q2 2015 for adoption and Q4 2018 for updating]	SLEDP of each town prepared in 2011	SLEDPs adopted by December 2016	
1.2 Gender awareness and sensitization training conducted for 30 executing and implementing agency staff. [Updates from Training Implementation Consultant (TIC) upon completion of training in Q3 2016]	Nil as of 2014	Gender Awareness and Sensitization Training for PMU/PIUs was conducted on 21 September 2016 with 29 participants comprised of 25 men (86%) and 4 women (14%).	
Output 2: Priority urban infrastructure investments implemented - Priority infrastructure operational - by 2020			
30% of construction workers hired under the project are female [Updates from CS Consultant from Q3 2017 to Q4 2020]	Nil, as construction starts Q3 2017	37 construction workers, 11 out of those are women: BB: 13 workers (4 females or 30%) PP: 13 workers (4 females or 30%) BV: 11 workers (3 females or 27%)	MRFs' construction in BB, PP and BV



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
Battambang				
Wastewater treatment (PPCR)				
2.1	52,000 residents serviced by new and rehabilitated wastewater treatment plants (capacity 2,800 cu m/day) by 2020. Flood events of facility reduced (based on 50-year flood frequency). <i>[Updates from CS Consultant upon completion of infrastructure in Q4 2020, and from infrastructure operator during operation from Q1 2021 onward]</i>	31,000 residents currently connected to existing sewerage system	-	Assessment to start upon completion of construction of storm water drainage canal and upgrade of existing WWTP western part is deferred.
Flood control (PPCR)				
2.2	Flood events of city center, near river, reduced (based on 50-year flood frequency), benefiting 15,120 persons by 2018.	"Before-project" number of persons affected by floods is _____ ^{a/}	-	The implementation of this flood control subproject is deferred.
Material recovery facility				
2.3	30 cu m of recyclables per day segregated benefiting 128,000 residents by 2018. <i>[Updates from CS Consultant upon completion of infrastructure in Q1 2019, and from infrastructure operator during operation from Q2 2019 onward]</i>	Nil, as the MRF is a new facility	-	Assessment to start upon completion of construction of MRF in Q1 2019 onwards.
Bavet				
Wastewater treatment (PPCR)				
2.4	29,000 residents serviced by wastewater treatment plant (capacity 255 cu m/day) by 2019. Flood events of facility reduced (based on 50-year flood frequency).	Nil as Bavet has no existing WWT	-	The implementation of this WWT subproject is deferred.
Urban roads				
2.5	8 km of main urban road upgraded with drainage structures,	"Before-project" number of persons that has access to	-	Assessment to start upon



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
benefiting 37,100 residents by 2019. <i>[Updates based on local authorities' statistical data, and on-site verification, from Q2 2020 onward]</i>		persons that has access to existing road to be upgraded is ____ ^{a/}		completion of urban road upgrading in Q2 2020 onwards.
Material recovery facility				
2.6	30 cu m of recyclables per day segregated, benefiting 24,000 residents by 2018. <i>[Updates from CS Consultant upon completion of infrastructure in Q1 2019, and from infrastructure operator during operation from Q2 2019 onward]</i>	Nil as the MRF is a new facility	-	Assessment to start upon completion of construction of MRF in Q1 2019 onwards.
Neak Loeung				
Flood protection (PPCR)				
2.7	5.4 km flood protection dike constructed; 363 ha of residential and commercial areas protected from annual flooding (based on 50-year flood frequency), benefiting 24,700 residents by 2019.	"Before-project" number of persons residing within the subproject area is ____ ^{a/} .	-	The implementation of this flood protection subproject is deferred.
Poipet				
Wastewater treatment (PPCR)				
2.8	65,000 residents serviced by wastewater treatment plant (capacity 16,400 cu m/day) by 2019. Flood events of facility reduced (based on 50-year flood frequency). <i>[Updates from CS Consultant upon completion of infrastructure in Q3 2020, and from infrastructure operator during operation from Q4 2020 onward]</i>	Nil as Poipet has no existing WWTP	-	Assessment to start upon completion of construction of WWTP in Q3 2020 onwards.
Solid waste management				
2.9	20 tons/day of solid waste deposited in sanitary landfill, benefiting 58,600 residents by 2019	Nil since the sanitary landfill is a new facility	-	Assessment to start upon completion of construction



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
			of WWTP in Q3 2020 onwards.
Material recovery facility			
2.10 30 cu m of recyclables per day segregated, benefiting 58,600 residents by 2018. <i>[Updates from CS Consultant upon completion of infrastructure in Q1 2019, and from infrastructure operator during operation from Q2 2019 onward]</i>	Nil as the MRF is a new facility	-	Assessment to start upon completion of construction of MRF in Q1 2019 onwards.
Output 3: Institutional capacity strengthened - by 2020			
3.1 2,000 people trained in project management and implementation, financial management, procurement, and social and environment safeguards; <i>[Updates from TIC [TBD] ^{a/} from Q3 2015 to Q2 2020]</i> Gender targets achieved: staff quota of 30% women in the PMU and PIU with increased role in decision making. <i>[Updates from PMU/PIUs from Q3 2015 onward]</i>	Nil as of 2014 as training starts Q3 2016 Nil	407 PMU and PIUs staffs trained, of which 67 (17%) are woman As of Q1 2015 15% women in PMU, 30% in PIU Battambang, 22% in PIUs Poipet & Neak Loeung and 11% in PIU Bavet	As of 31 March 2018, 24 training modules conducted for PMU and PIUs. Same as in Q1 2015.
3.2 Memorandum of agreement signed between implementing agencies and district and corridor town authorities on subproject O&M and climate resilience measures <i>[Validation with PIUs and district and corridor towns, Q3 2017 onward]</i>	As of 2015, no MOA signed as construction starts Q3 2017		
3.3 Women hold 30% of overall staff positions and 30% of the management positions in the PMU and PIU. <i>[Updates from PMU/PIUs from Q3 2015 onward]</i>		As of Q1 2015, women hold 18% of overall staff positions in PMU & PIUs	Same as in Q1 2015.

^{a/} To be determined/updated during the preliminary design review to be undertaken by the DED Consultant.



PROJECT PERFORMANCE MONITORING AND EVALUATION
GMS: Southern Economic Towns Development Project

M&E Form no. 8B
June 2015

Reporting Date: _____ 30 June 2018 _____ [Quarterly]

Prepared by: _____
[PMU/PIU member in-charge of M&E/Impact Assessment]

Indicators (with Baseline and Performance Targets)	Baseline	Achievements/Status (during reporting period)	Assessment of Current Progress/ Status & Reason for any Negative Variance
Outcome: Urban infrastructure improved and climate resilience enhanced in Battambang, Bavet, Neak Loeung, and Poipet - from 2018 to 2020			
1. Improved access to urban infrastructure affects 558,220 inhabitants (cumulative figure) in four project towns.	In 2015, _____ ^{a/} persons have access to existing infrastructure	-	Assessment to start upon completion of construction of infrastructure in four project town, onwards.
2. Annual economic impact of poor sanitation, accounting for a loss of \$33 in 2005 per capita per year, reduced by 40%.	Value of loss due to poor sanitation was \$32 in 2005	-	Assessment to start upon completion of construction of WWT subprojects, onwards.
3. Urban areas affected by perennial flooding reduced by 30%.	"Before- Project" total urban area affected by perennial flooding in Battambang and Neak Loeung is _____ ^{a/} ha.	-	Assessment to start upon completion of construction of flood control/protection subprojects, onwards.
Impact: The towns of Battambang, Bavet, Neak Loeung & Poipet will become centers of economic activity in the Southern Economic Corridor - by 2025			
1. In project towns (represented by provincial data):	Growth rates of subsectors in 2012	-	Evaluation will be carried out by 2025
(i) trade services increased from 8.4% of GDP in 2007 to 18.4%;	7.2%		The implementation of this subprojects is deferred.
(ii) transport and communication services increased from 6.9% of GDP in 2007 to 16.9%;	7.6%		The implementation of this subprojects is deferred.
(iii) hotels & restaurant services increased from 4.3% of GDP in 2007 to 14.3%	16.2%		The implementation of this subprojects is deferred.



Indicators (with Baseline and Performance Targets)	Baseline	Achievements/Status (during reporting period)	Assessment of Current Progress/ Status & Reason for any Negative Variance
2. Employment opportunities for women (This refers to female employment in economic growth opportunities generated by the project, including construction, market trading, solid waste management, and recycling.) increased from 52% in 2012 to 53.5% (nationally).	Employment opportunities for women in the service sector was 47.8% in 2013	-	Evaluation will be carried out by 2025
3. Flood-affected population in Battambang and Neak Loeung reduced by 30% of regularly affected population (50,400 in 2012).	“Before-project” flood-affected population is _____ ^{a/} in 2015	-	Evaluation will be carried out by 2025

^{a/} To be determined/updated during the preliminary design review to be undertaken by the DED Consultant.



APPENDIX H

BASELINE VALUES, PERFORMANCE TARGETS FOR INDICATORS, AND PROJECTED ACHIEVEMENTS

Output 1: SLEDPs adopted & implemented

Indicator 1.1: Baseline: The SLEDPs for Battambang, Bavet, Neak Loeung and Poipet are currently available. These were all prepared in 2011.

Target: SLEDPs with sex-specific and climate-resilience measures incorporated, adopted, & disclosed; updated as required.

Projected Achievement: SLEDPs with sex-specific and climate-resilience measures incorporated, adopted, & disclosed by 2014; and updated by 2018.

Indicator 1.2: Baseline: As of 2014, no gender awareness and sensitization training has been conducted for executing and implementing agency staff.

Target: Gender awareness and sensitization training conducted for 30 executing and implementing agency staff.

Projected Achievement: Gender awareness and sensitization training conducted for 30 executing and implementing agency staff by 3rd quarter 2016.

Output 2: Priority urban infrastructure investment implemented

Battambang

Indicator 2.1: Baseline: Battambang has an existing wastewater treatment plant (WWTP) in Chamkar Samraong serving the west part of the town. The WWTP has a capacity of 2,800 cu.m./day, built in 1994. Since 2014, the system is not functioning due to broken pump facilities and blocked conduits.

Target: 52,000 residents serviced by new and rehabilitated wastewater treatment plants (capacity 2,800 cu m/day) by 2020. Flood events of facility reduced (based on 50-year flood frequency).

Projected Achievement:

- 33,350 residents serviced by new wastewater treatment plant by 2020.
- The capacity of the new WWTP is 7,470 cu.m./day (Stage 1, design year is 2030).
- The new WWTP (completion of infrastructure in June 2020) will be servicing the following in the east part of the town by 2020:

Particular	Sangkat		Total
	Prek Preah Sdech	Rattanak	
Residents/Population	15,900	17,450	33,350
Commercial/Tourism Facilities	15	57	72
Public Facilities	2	4	6
Wastewater Generation (cu.m./day)	2,376	3,110	5,486

Source: PISCD, Battambang Wastewater Treatment Subproject Technical Assessment and Preliminary Design Report, July 2015.

- The rehabilitated WWTP (capacity 2,800 cu.m./day) will be servicing 18,650 residents, in the west part of the town, currently connected to the



existing sewerage system.

- Flood events of facility reduced (based on 50-year flood frequency).

Indicator 2.2: **Flood Control** Baseline: The extent of flooding in the subproject area in Battambang Municipality is as follows:

Sangkat	Total Area (ha)	Affected by Flood During Wet Season		
		% of Total Area	Area (ha)	Population
1. Svay Por	199	25	50	1,516
2. Preah Preah Sdach	294	50	147	7,444
3. Rottanak	505	40	202	8,072
Total			399	17,032

Source: Consolidated Sangkat Report on Flooding in Battambang. 2013

Validated with Chief of Commune Council of each Sangkat on 24 February 2016.

The projected year 2018 total population within the flood-prone areas in the three Sangkats is 18,800.

Target: Flood events of city center, near river, reduced (based on 50-year flood frequency), benefiting 15,120 persons by 2018.

Projected Achievement: Flood events of city center, near river, reduced (based on 50-year flood frequency), benefiting _____* persons by 2018.

The implementation of this Flood Control Subproject has been deferred.

* The reduction of flood events due to the subproject, and the number of persons benefited will be updated/determined during the preliminary design review and detailed engineering design to be undertaken by the DED Consultant.

Indicator 2.3: **Material Recovery Facility** Baseline: The baseline value for the indicator is “nil” since subproject is construction of new MRF.

CINTRI is contracted, since 2010, to provide waste collection and disposal services in the town. A total of 7,249 households are served in 8 out of 11 sangkats. The present tonnage of solid waste that is collected daily is estimated to be 80-90 tons.

Source: Mr. To Thanarith, Operations Manager, CINTRI, Battambang, 24 February 2016.

Target: 30 cu m of recyclables per day segregated benefiting 128,000 residents by 2018.

It is noted that the target of 30 cu m of recyclables per day in the DMF is inconsistent with the value in the Feasibility Study of 60 cu m of recyclable per day.

Projected Achievement: 60 m³ or eight (8) tons of dry, source segregated and non-biodegradable waste processed per day.

Bavet

Indicator 2.4: Baseline: Bavet has no existing WWTP, hence the baseline value for the indicator is “nil”.



Wastewater Treatment Target: 29,000 residents serviced by wastewater treatment plant (capacity 255 cu m/day) by 2019. Flood events of facility reduced (based on 50-year flood frequency).

Projected Achievement: 22,990 residents serviced by wastewater treatment plant (capacity 3,950 cu.m./day) by 2019. Flood events of facility reduced (based on 50-year flood frequency).

The new WWTP (completion of infrastructure in December 2018) will be servicing the following in Sangkat Bavet by 2019:

- 22,990 residents/population
- 27 commercial facilities, and
- 10 public buildings

The capacity of the new WWTP is 3,950 cu.m./day (Stage 1, design year is 2025).

Source: PISCD, Bavet Wastewater Treatment Subproject Technical Assessment and Preliminary Design Report, July 2015.

Indicator 2.5: Urban Road Baseline: The subproject will benefit not only the residents of Bavet but also the traffic between Cambodia and Viet Nam.

The projected population of Bavet by 2019 (year of completion of construction) is 40,600.

Source: Subproject Feasibility Study, Bavet Urban Road, ADB TA 7644-REG, May 2012.

Number of persons/year entering Cambodia from Vietnam (2010 to 2015)

2010	2011	2012	2013	2014	2015
547,565	621,010	673,830	680,723	738,441	751,811

Number of persons/year exiting Cambodia to Vietnam (2010 to 2015)

2010	2011	2012	2013	2014	2015
559,074	644,208	725,104	733,451	749,568	775,432

Source: Immigration Office at Bavet Border Check Point. Collected by Mr. Keo Sarorng, Social & Environment Officer, Bavet PIU.

Target: 8 km of main urban road upgraded with drainage structures, benefiting 37,100 residents by 2019.

Note: 37,100 is the population of Bavet in 2010.

Projected Achievement: 8 km of main urban road upgraded with drainage structures, benefiting 40,600 residents by 2019.

Indicator 2.6: Material Recovery Facility Baseline: The baseline value for the indicator is “nil” since subproject is construction of new MRF.

Hybrid Garbage Co. Ltd. (HGCL) is contracted, since 18 September 2015, to provide waste collection and disposal services in the town. A total of 34,884 residents are served in 4 out of 5 sangkats. The present tonnage of solid waste that is collected daily is estimated to be 20-30 tons. The company collects waste from casinos, hotels, guesthouses, market, households, restaurants, commercial establishments and institutions at the urban sector of Bavet on daily basis (Monday through Sunday).

Source: Mr. Yen Chham, Administration Manager, Hybrid Garbage Co. Ltd, Bavet, 15 February 2016.

Target: 30 cu m of recyclables per day segregated, benefiting 24,000 residents by 2018.



Projected Achievement: 30 m³ or four (4) tons of dry, source segregated and non-biodegradable waste processed per day benefiting ____* residents by 2018.

Source: Subproject Feasibility Study, Bavet Material Recovery Facility, ADB TA 7644-REG.

* The original target value will be validated/updated during the preliminary design review and detailed engineering design to be undertaken by the DED Consultant.

Neak Loeung

Indicator 2.7: **Baseline:** The current population within the subproject area is 9,338 residents, as follows:

No. of Households	No. of Families	Population	Within the Flood Protection Area			
			Percentage	No. of Households	No. of Families	Population
Neak Loeung Commune						
1,538	1,781	8,864	60%	923	1,069	5,318
Prek Khsay Khor Commune						
2,282	2,351	11,485	35%	799	823	4,020
Total						
3,820	4,132	20,349		1,722	1,891	9,338

Source: Mr. Phum Samphorn, Deputy Governor, Peam Ror District, 16 February 2016.

Target: 5.4 km flood protection dike constructed; 363 ha of residential and commercial areas protected from annual flooding (based on 50-year flood frequency), benefiting 24,700 residents by 2019.

Projected Achievement: 3.9 km flood protection dike constructed by 2019; benefiting ____* residents and protecting 355 ha from annual flooding (based on 50-year flood frequency) for development into residential and commercial areas.

The implementation of this Flood Protection Subproject has been deferred.

* The length of the flood protection dike, and the number of residents and the hectareage of the area that will be protected will be updated/determined during the detailed engineering design to be undertaken by the DED Consultant.

Poipet

Indicator 2.8: **Baseline:** Poipet has no existing WWTP, hence the baseline value for the indicator is “nil”.

Target: 65,000 residents serviced by wastewater treatment plant (capacity 16,400 cu m/day) by 2019. Flood events of facility reduced (based on 50-year flood frequency).

Projected Achievement: 45,790 residents serviced by wastewater treatment plant (capacity 7,660 cu m/day) by 2019. Flood events of facility reduced (based on 50-year flood frequency).

The new WWTP (completion of infrastructure in December 2018) will be servicing the following in Sangkat Poipet by 2019:

- 45,790 residents/population, and
- 29 commercial facilities

The capacity of the new WWTP is 7,660 cu m/day (Stage 1, design year is



2020).

Source: PISCD, Poipet Wastewater Treatment Subproject Technical Assessment and Preliminary Design Report, July 2015.

Indicator 2.9: **Solid Waste Management** Baseline: The baseline value for the indicator is “nil” since the sanitary landfill is a new facility.

Poipet Cleaner is contracted, since 2008, to provide waste collection and disposal services in the town. A total of 2,200 households are served in 2 out of 3 sangkats. The present tonnage of solid waste that is collected daily is estimated to be 50-65 tons. Of which, an average of about 28 tons/day are collected from hotels/casino and other business and institutional establishments, and an average of about 35 tons/day are collected from households.

Source: Ms. Sareoung Sophea, Poipet Cleaner, 25 February 2016.

Target: 20 tons/day of solid waste deposited in sanitary landfill, benefiting 58,600 residents by 2019

Projected Accomplishment: ____* tons/day of solid waste deposited in sanitary landfill, benefiting ____* residents by 2019

The implementation of this Solid Waste Management Subproject has been deferred.

* The original targets will be verified/updated during the preliminary design review and detailed engineering design to be undertaken by the DED Consultant.

Indicator 2.10: **Material Recovery Facility** Baseline: The baseline value for the indicator is “nil” since subproject is construction of new MRF.

Target: 30 cu m of recyclables per day segregated, benefiting 58,600 residents by 2018.

Projected Achievement: 60 m³ or eight (8) tons of dry, source segregated and non-biodegradable waste processed per day benefiting ____* residents by 2018.

Source: Subproject Feasibility Study, Poipet Material Recovery Facility, ADB TA 7644-REG, June 2012.

* The original target value will be validated/updated during the preliminary design review detailed engineering design to be undertaken by the DED Consultant.

Output 3: Institutional capacity strengthened

Indicators 3.1, 3.2 & 3.3: Baseline: The SECTDP is considered as the first major urban sector development assistance of the ADB in the GMS that integrates urban environment improvement and economic infrastructure with institutional capacity development for sustained economic growth. Hence the baseline value for these indicators is “nil”.

Target: The performance targets of these indicators are as specified in the DMF.

Outcome: Urban infrastructure improved and climate resilience enhanced in Battambang, Bavet, Neak Loeung, and Poipet

Indicator 1: Baseline: The “before-project” number of inhabitants/individuals that have access to existing urban infrastructure that are to be rehabilitated/upgraded in the subprojects is the total of the baseline values of Output 2 Indicators 2.1 and 2.5, as follows:

Particular	Value
Residents presently connected to existing sewerage system and	18,650



WWTP that will be rehabilitated in Battambang.	
Present traffic volume (residents/individuals) of main urban road to be upgraded in Bavet.	_____ *
Total number of inhabitants/individuals that have access to existing urban infrastructure	_____ *

* To be determined/updated during the preliminary design review and detailed engineering design to be undertaken by the DED Consultant.

Target: Improved access to urban infrastructure affects 558,220 inhabitants (cumulative figure) in four project towns.

Projected Accomplishment: Improved access to urban infrastructure affects _____ inhabitants (cumulative figure) in four project towns.

This is the total of the target number of residents/individuals benefiting from the urban infrastructure subprojects, i.e. total of targets for Indicators 2.1 to 2.10, as follows:

Town/ Indicator no.	Indicator	Updated Target
Battambang		
2.1	No. of residents serviced by new & rehabilitated WWTP	52,000
2.2	No. of persons benefiting from flood control	_____ *
2.3	No. of residents benefiting from MRF	_____ *
Bavet		
2.4	No. of residents serviced by WWTP	22,990
2.5	No. of residents/individuals benefiting from upgraded urban road	_____ *
2.6	No. of residents benefiting from MRF	_____ *
Neak Loeung		
2.7	No. of persons benefiting from flood protection	_____ *
Poipet		
2.8	No. of residents serviced by WWTP	45,790
2.9	No. of residents benefiting from sanitary landfill	_____ *
2.10	No. of residents benefiting from MRF	_____ *
Total inhabitants having improves access to urban infrastructure		_____ *

* To be determined/updated during the preliminary design review and detailed engineering design to be undertaken by the DED Consultant.

Indicator 2: **Baseline:** Economic loss due to poor sanitation was \$32 per capita in year 2005.

Source: *Economic Impacts of Sanitation in Cambodia, Summary. Water and Sanitation Program – East Asia and the Pacific (WSP-EAP). World Bank. 2008*

Target: Annual economic impact of poor sanitation, accounting for a loss of \$33 in 2005 per capita per year, reduced by 40%.

Projected Accomplishment: Annual economic impact of poor sanitation, accounting for a loss of \$32 in 2005 per capita per year, reduced by 40%.

Indicator 3: **Baseline:** The “before-project” total hectarage of urban areas affected by perennial flooding in Battambang and Neak Loeung, is as follows:



Town	Urban areas presently affected by perennial flooding, hectares
Battambang.	_____*
Neak Loeung	335
Total	_____*

* To be determined/updated during the preliminary design review & detailed engineering design to be undertaken by DED Consultant.

Target: Urban areas affected by perennial flooding reduced by 30%.

This is the total of the target hectareage of urban areas (i) benefiting from reduction of flood events, due to the flood control subproject in Battambang; and (ii) protected from annual flooding, due to the flood protection subproject in Neak Loeung. This is expressed as a percentage of the baseline value.

Town/ Indicator no.	“Before-project” (baseline) urban areas affected by perennial flooding Hectare	Urban areas protected from flooding due to flood control/protection subprojects	
		Hectare	% **
Battambang / 2.2	_____*	_____*	_____**
Neak Loeung / 2.7	335	335	100
Total	_____*	_____*	_____**

* To be determined/updated during the preliminary design review and detailed engineering design to be undertaken by the DED Consultant.

** Urban areas protected from flooding due to flood control/protection subprojects as a percentage of “before-project” (baseline) urban areas affected by perennial flooding.



APPENDIX I PUBLIC INFORMATION BOOKLET



KINGDOM OF CAMBODIA



**Ministry of Public
Works and Transport**



Asian Development Bank

Project Information Disclosure

GMS: Southern Economic Corridor Towns Development Project

Project Location: Poipet, Battambang and Bavet

June 2018



A. PROJECT OVERVIEW

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

The Project will enhance the competitiveness of towns along the Southern Economic Corridor (SEC). The Project will transform the Cambodian corridor towns of Poipet Battambang and Bavet into economic hubs by improving urban-environmental infrastructure and strengthening institutional capacities of provincial and local authorities.

The Project's expected outcome is improved urban infrastructure and enhanced climate resilience in Battambang, Bavet and Poipet. The Project will cover eight subprojects comprising:

a) Poipet:

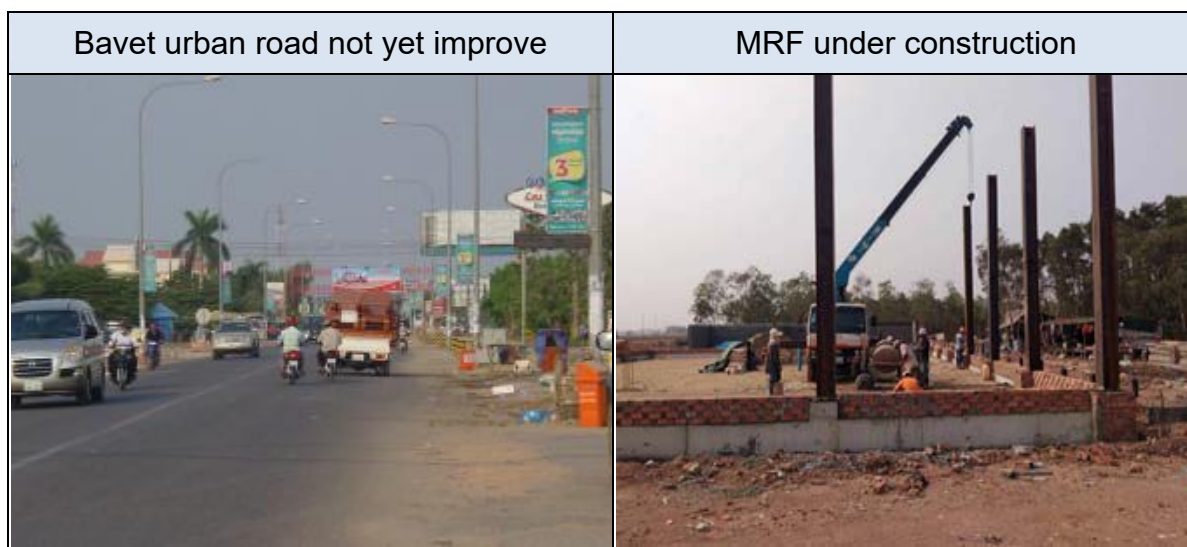
1. Construction of separate sewage interceptor, collection and haulage canals (Detail design by NJS, ongoing)
2. Upgrading of existing storm water drainage canals (2km, cover the area of Sangkat Poipet and Pshakandal of Poipet town)
3. Installation of new WWTP (68mx68m, 4000m³/day)
4. Material Recovery Facility (800m², 60m³/day)

b) Battambang:

1. Construction of storm water drainage canal (13.50 km)
2. Material Recovery Facility (800m², 60m³/day)

c) Bavet:

1. Improvement and widening of main urban road and construction of drainage structure on both roadsides (6.14km)
2. Material Recovery Facility (800m², 60m³/day)

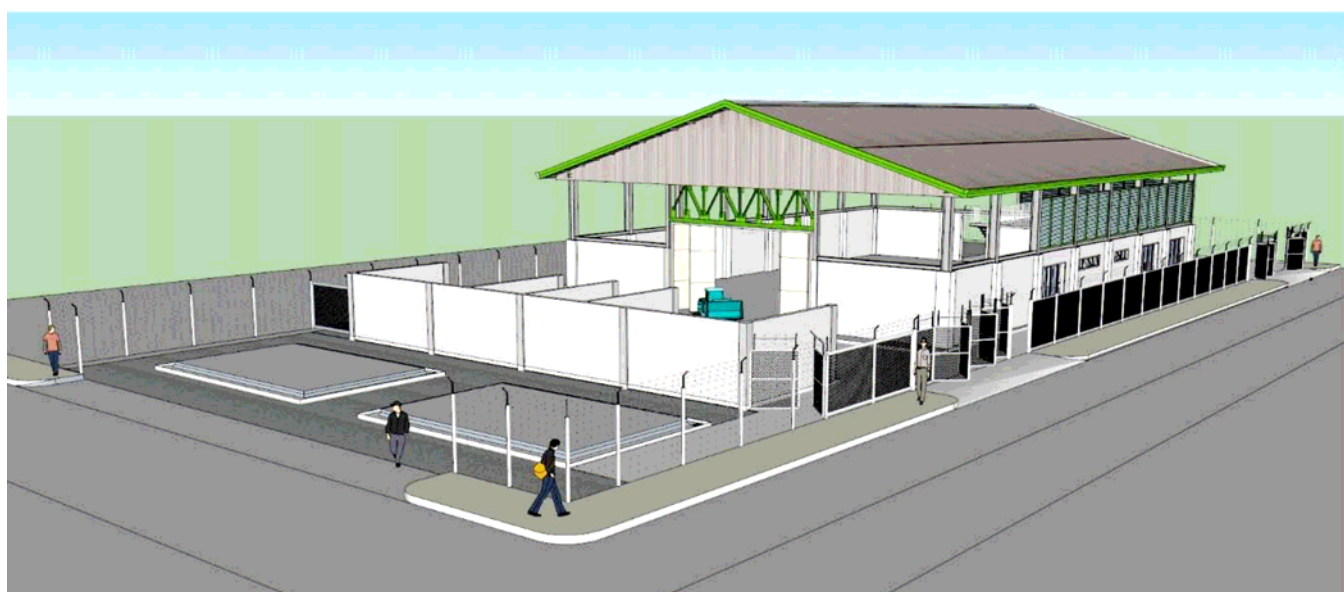




B. PROJECT BENEFITCIARY

The project construction of separate sewage, drainage, urban road and material recovery facility,, significant benefits that will be generated from the project including:

- Public health as well as city environment
- Supported existing future tourism development
- Provided more employment and livelihoods opportunities
- Improving the water quality of the river and stream water
- improved and supported the ongoing sustainable development
- Trade services will increase
- Transport and communication services will increase



MRF will be construct

C. ENVIRONMENTAL IMPACT and MITIGATION MUSURE

During pre-construction, construction and post- construction, the environmental impact will happenn such as water supply and electric or cables facility, no bypass, no road access, noise, air and water quality; soil quality and economic losses due to construction, mitigation measures will be taken into account in order to minimize negative impacts in which result from the construction and operation stage.

Impact	Mitigation Measures
Preconstruction Phase	
1. Confirmation of no required resettlement relocation and compensation	Affected persons well informed well ahead of subproject implementation
2. Disclosure and engagement of community (community impacts)	Initiate Information Disclosure and Grievance process of IEE



Impact	Mitigation Measures
3. UXO survey and removal (injured worker or public)	Ensure Government is consulted for UXO, and clears areas where necessary
4. Recruitment of workers (Spread of sexually transmitted)	Use local workers as much as possible thereby reducing number of migrant worker
5. Water supply facility	Design engineer will inform, cooperate, and discuss with local authority as well as with water supply authority/owners on the location of the water supply system in order to ensure that this system is properly prevented. In case of damage, the project owner should pay compensate or repairing for such damage.
6. Existing sewer line/telephone line/electric cable and traffic signboard	Design engineer will inform, cooperate, and discuss with local authority as well as with authority/owners on the location of the sewer line/telephone line/electric cable in order to ensure that this system is properly prevented. In case of damage, the project owner should pay compensate or repairing for such damage.
Construction Phase	
8. Increase in dust emissions from site construction	• Regularly apply wetting agents to exposed soil • Cover or keep moist all stockpiles of construction aggregates, and all truckloads of aggregates. • Minimize time that excavations and exposed soil are left open/exposed. • Stored construction materials well away from all human activity and resettlements, and cultural (e.g., schools, hospitals)
9. Noise arising from construction of the site facilities	• As much as possible restrict working time between 07:00 and 17:00. Maintain equipment in proper working order. • Replace unnecessarily noisy vehicles and machinery • Vehicles and machinery to be turned off when not in use • Provide temporary noise barriers around excessively noisy activity areas where possible such as trees.
10. Air pollution	• Construction materials should be properly covered during transport it in and out of the project sites. • Regularly, spray water on the earth road and construction site in dry period in order to minimize dust generation as much as possible, especially on exposed surface.
11. No bypass or access road	• Temporary wooden bridge will provide or detour road will construct
12. Leaks and spills of hazardous material	• The fuel storage must be far from watercourse or drain channel. • Contractor must provide precaution sign and security equipment for protection when the problem happens. • Be careful in loading and unloading fuel
13. Contamination of land and surface water from excavated soil, concrete	• Uncontaminated soil, concrete and construction waste to be disposed of in Government designated



Impact	Mitigation Measures
and construction waste	sites, which must never be in or adjacent surface waters. Designated sites must be clearly marked and identified. • Soil, concrete and construction waste must not be disposed of on sloped land, near cultural property or values, ecologically important areas, or on/near any other culturally or ecologically sensitive feature. • Where possible soil should be used at other construction sites, or disposed in spent quarries or borrow pits. • A record of type, estimated volume, and source of disposed soil must be recorded. • Contaminated soil disposal must follow Government regulations including handing. Transport, treatment(if necessary).
14. Land erosion	• Berms and plastic sheet fencing should be placed around all excavations and earthwork area. • Earthwork should be conducted during dry periods. • Maintain a stockpile of topsoil for immediate site restoration following backfilling. • Re-vegetate all soil exposure area immediately after work is completed.
15. Traffic disruption, accidents and public injury	• Schedule construction vehicle activity during light traffic periods. Create adequate traffic detour, and sufficient signage and warning lights. • Post speed limits, and create dedicated construction vehicle road • Demarcate additional location where pedestrians can develop road crossings away from construction area. • Avoiding construction/installation sewer pipes and transportation construction material in and out of the construction sites in busy time. • Traffic facilitator/traffic police shall be provided in construction sites where heavy traffic always happened in the road
16. Worker camp (Pollution and Social Problem)	• Locate worker camps away from human settlements. • Ensure adequate housing and waste disposal facilities including pit latrines and garbage cans. • A solid waste collection program must be established and implemented that maintains a clean worker camps. • Locate separate pit latrines for male and female workers away from worker living and eating areas. • A clean-out or infill schedule for pit latrines must be established and implemented to ensure working latrines are available at all times. • Worker camps must have adequate drainage. • Local food should be provided to worker camps. Guns



Impact	Mitigation Measures
	and weapons not allowed in camps. • Transient workers should not be allowed to interact with the local community. HIV/Aids education should be given to workers.
17. Working condition of workers (occupational safety, security, accidents, risks)	• Proper fencing, protective barriers, and buffer zones should be provided around construction sites. • Sufficient signage and information disclosure, and site supervisors and night guards should be placed at all sites. • Worker and public safety guidelines RGC should be followed. • Standing water suitable for disease vector breeding should be filled in. • Worker education and awareness seminars for construction hazards should be given. • A construction site safety program should be developed and distributed to workers. • Appropriate safety clothing and footwear should be mandatory for all construction workers. • Adequate medical services must be on site or nearby all construction sites. • Pit latrine must be provided at worker camp and construction sites. • Drinking water must be provided at all construction sites. • Sufficient lighting used during necessary night work. • All construction sites should be examined daily to ensure unsafe conditions are removed.
Post Construction Operational Phase	
18. Odors	• Implementation of best-practice operating procedures to minimize the odors generated by the plant, including properly control on the sludge in ponds. • Mechanical ventilation facilities or chemical odor control shall be provided. • Planting vegetation around WWTP and pumping station site also one method to reduce smell spread out to the nearby households. • Provide education and awareness program to residents and others in the vicinity of the WWTP avoiding disposal solid waste/rubbish into the WWTP.
19. Noise disturbance	• Planting vegetation around WWTP and pumping station site also one method to reduce smell spread out to the nearby households. • Noise reducing buffer shall be provided.
20. Operation of Drains(Periodic back up and local flooding)	Improved drains must be regularly cleaned and surface to maintain design capacity flows



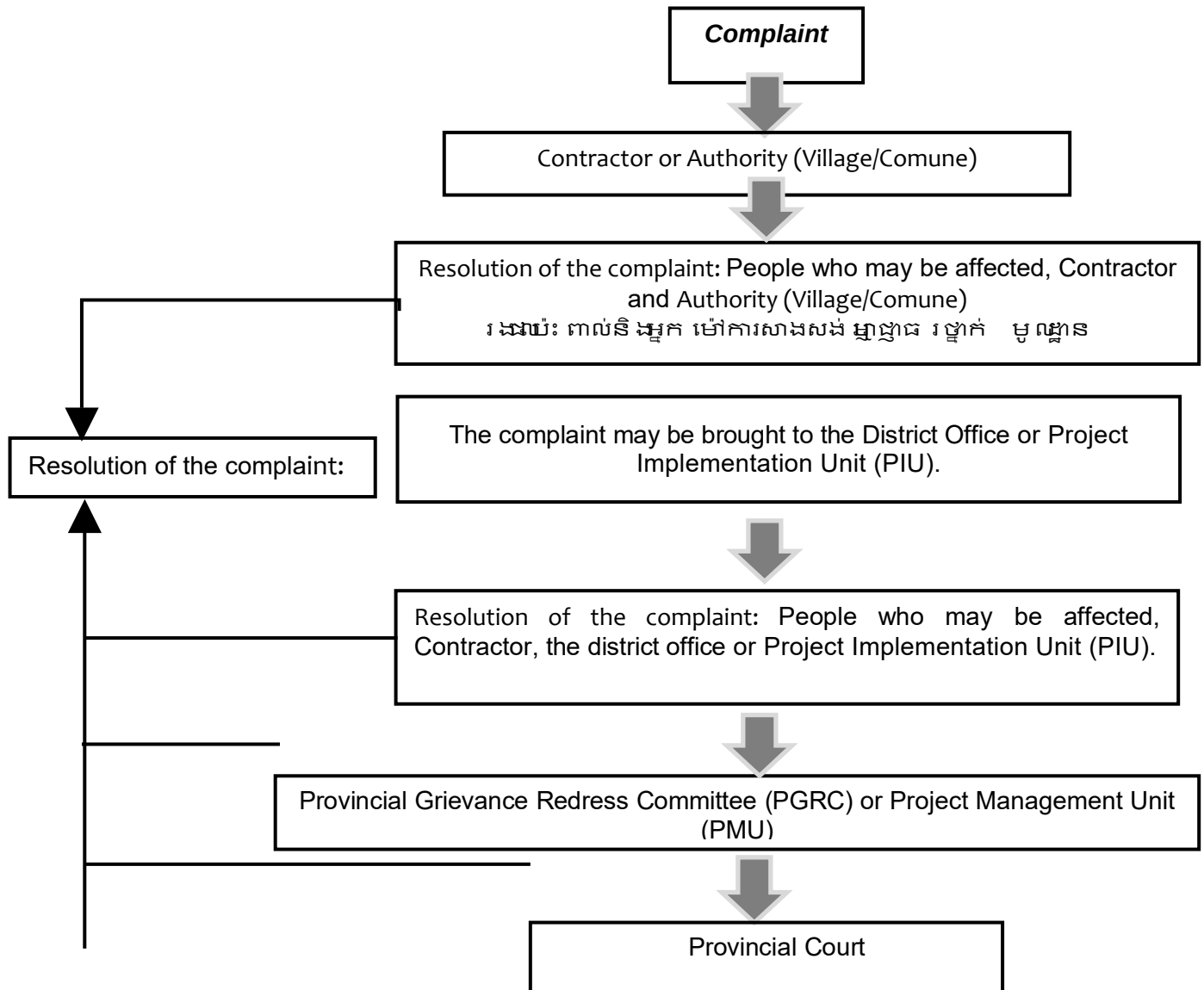
D. GRIEVANCE REDRESS MECHANISM

People who may be affected by the subprojects or concerned about their environmental impacts are entitled to lodge complaints regarding any aspect of the preparation and implementation of the subproject.

The objective of the grievance redress mechanism is to resolve complaints as quickly as possible and at the local level through a process of conciliation; and, if that is not possible, to provide clear and transparent procedures for appeal.

A well-defined grievance redress and resolution mechanism will be established to resolve grievances and complaints in a timely and satisfactory manner. All affected persons will be made fully aware of their rights, and the detailed grievance redress procedures will be publicized through an effective public information campaign. The grievance redress process applies to environmental issues and includes three steps of which three are followed before complaints may be elevated to a court of law as a last resort, as follows:

- (i) 1st step: Complaints and grievances will be provided verbally or in writing to the village chief, commune chief, or to contractor. The receiving agent will provide immediate written confirmation of receiving the complaint. If after 15 days the complainant does not hear from the contractor, village and commune chiefs or if he/she is not satisfied with the decision taken in the first stage, the complaint may be brought to the District Office or Project Implementation Unit (PIU).
- (ii) 2nd step: The District Office in cooperation with Project Implementation Unit (PIU) has 15 days within which to resolve the complaint to the satisfaction of all concerned. If the complaint cannot be solved at this stage, the District Office or Project Implementation Unit (PIU) will bring the case to the Provincial Grievance Redress Committee (PGRC) or Project Management Unit (PMU) and has to inform the complainant.
- (iii) 3rd step: The PGRC or Project Management Unit (PMU) meets with the aggrieved party and tries to resolve the situation. Within 30 days of the submission of the grievance, the Committee or PMU will make a written decision and submit copies to Provincial Court.





Telephone Number Contact

Bavet Town:

- Road improvement Contractor 077 258 224
- MRF Contractor 012 202 266 or 089 852 588
- Project Implementation Unit (PIU). 012 707 616 or 088 644 0544

Battambang Town:

- Storm drainage Contractor 096 916 6190
- MRF Contractor 012 202 266 or 089 852 588
- Project Implementation Unit (PIU) 092 930 966 or 012 479 030

Poipet Town:

- MRF Contractor 012 202 266 or 089 852 588
- Project Implementation Unit (PIU). 012 220 015 or 077 319 444

Envirenmental Spesialists of Project 012 916 545 or 012 863 994

Project Management Unit (PMU)



APPENDIX J
GENDER ACTION PLAN (GAP) MONITORING TABLE
Date of Update: 1 April – 30 June 2018

Project Title:	Greater Mekong Sub-region Southern Economic Corridor Towns Development Project ¹
Country:	Cambodia
Project No.	43319-033
Type of Project (Loan/Grant/TA):	Loan 2983
Approval and Timeline:	Effective: 08 April 2013; Closing: 30 June 2019
Gender Category:	Effective Gender Mainstreaming (EGM)
Mission Leader:	Mr. Ouk Nida
Project Impact:	The towns of Battambang, Bavet, Neak Loeung, and Poipet will become centers of economic activity in the Southern Economic Corridor
Project Outcome:	Urban infrastructure improved and climate resilience enhanced in Battambang, Bavet, Neak Loeung, and Poipet

Document 1: Progress of Gender Action Plan Implementation

Document 2: Status of Compliance with DMF

¹ The project was approved by the board on 10 December 2012, the effective date is on 08 April 2013 and estimated loan closing date on 30 June 2019. The total investment cost is estimated at \$ 54.78 million. Four corridor towns along the Southern Economic Corridor (SEC) were selected as project areas based on their economic potential, infrastructure constraints, and expressed commitment: Battambang, Bavet, Neak Leung, and Poipet.



1) Progress of Gender Action Plan Implementation

Gender Action Plan (GAP Activities, Indicators and Targets, Timeframe and Responsibility)	Progress to Date This should include information on period of actual implementation, sex-disaggregated quantitative updates (e.g. number of participating women, women beneficiaries of services, etc.), and qualitative information. However, some would be on-going - so explain what has happened so far towards meeting the target.	Issues and Challenges Please include reasons why an activity was not fully implemented, or if targets fall short, or reasons for delay, etc., and provide recommendations on ways to address issues and challenges
Output 1 (GAP): Strategic Local Economic Development Plan (SLEDP) adopted and implemented		
1.1. GAP Component 1 - Institutional Strengthening for Gender and Development (funded under capacity development and training)		
Gender issues reflected and mainstreamed in planning documents including socio-economic development plans and master plans Responsibility: Reviewed by Prapey Kol, Social Safeguard/Gender Specialist Time: October 2015 :	SLEDPs of the 4 towns include sections on gender issues and measures to address these. Gender issues cited in the SLEDPs: • Women are discriminated in the labor sector where they have lower wages than men; exposed to poor working conditions; • Women particularly the female heads of households are not economically empowered and are not involved in decision-making in the community; because of low education; and much time spent in housework performing both tasks of men and women • Women, especially young girls are at risk to human trafficking and the core labor issues; • Women do not occupy leadership positions in the community	. The gender issues are continually addressed in the project through the GAP's action targets; gender mainstreaming is highlighted in all phases of project implementation.



PIS consultant's gender specialists will collect sex-disaggregated data on EA/IAs staffing and technical designation as baseline and monitoring of gender targets for overall staff and management positions to refine the gender awareness training inputs Responsibility: Reviewed by Hor Sakphea, Social Safeguard/Gender Specialist Time: 31 March 2018 Action 2:	Total number of PIU staffs in 4 towns is 31 (26 men and 5 women or 84% are men and only 16 % are women. Of the 31 PIUs staffs, only 1 woman (3%) occupies managerial position. PMU Total Staff: 10 Men: 8 (80%) Women: 2 (20%)	PMU and PIUs to identify measures to increase the number of women staffs from 16% to 30%. Also, regular monitoring of staffs profiles should be done to ensure gender balance in the PMU and PIUs, thus meeting the 30% of total manpower complement in PMU and PIUs. However, if by October, 2018, gender monitoring results will still indicate that there are more men than women PMU and PIU staffs and more men occupying managerial positions than women, then this issue will be discussed during the MTR in November, 2018
Provide gender awareness and sensitization training for 30 EA/IA staff (each province); gender awareness training for managers and staff to increase sensitivity to different needs of women and men. Responsibility: Updated by Hor Sakphea, Social Safeguard/Gender Specialist Time: 30 June 2018	As per the attached training completion report, this training activity was already conducted by the PISCD last September, 2016. Total participants were 36 31 (86%) men and 5 (14%) women. A training on Gender Action Planning conducted on 4-5 January, 2017. Total number of participants was 14, 9 men (65%) and 5 (35%) women. • Prepared activity design on Refresher Course on GAP for PMU, PIUs, partner agencies like M/PDOWA and PDOH, civil works contractors, local authorities representatives from 3 towns (Poipet, Battambang, and Bavet); • Submitted to H.E Vong Pisith for approval; • Date to be conducted; August 8-9 in Battambang	The gender sensitization training for PMU and PIUs was last conducted in September, 2016 which was a long time ago. As planned and agreed with ADB gender officer during the wrap-up meeting in April, the conduct of the activity was originally targeted in July, 2018. However, this was moved to early August because participants are not available because of the elections.
Output 2 (DMF&GAP output is the same): Priority urban infrastructure investments implemented		



GAP Component 2 - Empowerment for Women in Urban Community Development and Skills Training (funded under capacity development and training)		
Market assessment survey undertaken indicating current demand and economic growth areas in towns. Responsibility: Updated by Hor Sakphea, Social Safeguard/Gender Specialist Time: 30 June 2018 Action 3: On-going	Not yet accomplished but planned to conduct this in December, 2018. A survey design will be prepared by PISCD in August, 2018	
Training for women to better position their entry in the growing employment demand areas arising from project interventions, targeting at least 500 women per town, for example, construction skills training targeting women Responsibility: Updated by Hor Sakphea, Social Safeguard/Gender Specialist Time: 30 June 2018 Target 2: On-going	Skills training will be conducted on preferred new jobs by women residing within the MRF subproject areas in the three (3) towns. Results of consultation with women from 28 February-early March, 2018 indicated preferred jobs of women are operating grocery stores, selling food, hair cutting and render unskilled labor in subproject construction sites.	The preferred jobs will be confirmed based on results of market demand study. Moreover, it was found out during field visit to 3 towns that the gender action target of 500 women per town seems not attainable because field data results suggest that only 200 women per town may avail of livelihood training or only 600 for the three towns. The data were also confirmed by the PIUs. Thus, this issue will be elevated to ADB during the MTR and to be supported by data provided by concerned provincial departments of Labor and Vocational Training, Statistics Office of the Department of Planning, among others.
A target of 90% women for employing existing informal waste pickers in the material recovery facilities (MRFs) funded under the project, including skills upgrade training. This is based on PPTA field data showing up to 95% of informal waste pickers are currently women. Responsibility: Prepared Hor Sakphea, Social Safeguard/Gender Specialist Time: March, 2018	Field site visits results to the 3 towns conducted in early January, 2018 and late February, 2018 respectively indicated that only about 30-35% of total waste pickers are women and the data seem to be changing each field visit to the project sites; therefore, it appears that the total 90% of total number of women waste pickers as per GAP target may not be attained. Reasons for not meeting the gender target of 90% are: i.) there are waste pickers who are transients	The GAP target of 90% may not be attained in view of the reasons cited. Also, O&M management of the MRFs may be handed over to a private entity which may not employ women waste-pickers. The number of waste pickers may also reduce because the volume of solid waste materials gathered by waste pickers will, likely reduce too because these are initially sorted out in the MRFs before dumping.



Target 3: On-going	where they only pick waste during times where there is large volume of waste and during dry season when the dumpsite is accessible. ii.) In Bavet, the contracted private waste collector does waste segregation before dumping the waste into the dumpsite, thereby reducing the volume of waste collected by waste pickers. iii). Landfills are now deleted from the project because these are expensive to construct.	
Construction phase employment, construction workers will be 30% female; contractor records to be sex disaggregated for monitoring purposes Responsibility: Updated by Hor Sakphea, Social Safeguard/Gender Specialist Time: 30 June 2018 Target 4: On-going	Total of 37 construction workers in the MRFs in 3 towns, 10 are women (27%) and 27 (72%) are men. Total unskilled construction workers in the storm drainage sub-component of the waste water treatment subproject is 51; 18 women (35%) and 33 are men (65%) Total 35 unskilled construction workers in urban road subproject in Bavet; 9 women (26%) and 26 men (74%).	PIU to regularly monitor manpower status with civil works contractors. PMU and PIU to compel civil works contractors to hire more women unskilled laborers.
GAP component 3 - HIV awareness and prevention (funded by construction companies)		
Awareness training provided by external HIV organizations and/or NGOs subcontracted by contractors during workforce mobilization for laborers and community surrounding construction locales Responsibility: Prepared and revised by Hor Sakphea, Social Safeguard/Gender Specialist Time: 31 March 2018 Action 4: On-going	i.) TOR on HIV/AIDS awareness prepared as basis for contracting service provider to manage its conduct in all 3 towns; ii.) Budget is included in the civil works contracts in Bavet and Battambang; the same scheme will also be adopted in Poipet where tendering is in process; iii. PMU assisted by PISCD will communicate with potential NGO bidders for submission of letters of intent to participate in the service contracting process.	PISCD Gender Specialist will closely coordinate with PMU to expedite the contracting process.



GAP component 4 - sanitation, health and hygiene Program (funded under capacity development and training)		
Training 2 health and sanitation promoters (male and female) in each town through a training of trainers (TOT) program Responsibility: Updated by Hor Sakphea, Social Safeguard/Gender Specialist Time: 30 June 2018 Target 5: On-going	This is not yet accomplished. Target implementation will be 1st Quarter 2019	No available budget for this activity. However, during the Wrap up meeting on May 27, 2018, ADB mission leader assured PMU that it can tap again the \$30,000 earlier deleted by ADB to be used for gender-related and other training and capacity-building activities.
Establish and train 2 MoWA staff as facilitators for IEC completion in each town. Responsibility: Prepared by Hor Sakphea, Social Safeguard/Gender Specialist Time: 30 June 2018 Target 6: On-going	Two M/PDOWA staffs already identified. Slated for implementation in 2019	Budget for this activity will be part of the \$30,000 budget earlier deleted by ADB but gave no objection to PMU to use this again for gender and other training and capacity building activities.
GAP component 5 - road safety campaign (funded under capacity development and training)		
Target girls as well as boys in school awareness campaigns Responsibility: Updated by Hor Sakphea, Social Safeguard/Gender Specialist Time: 30 June 2018 Action 5: On-going	i.) TOR for The road safety awareness campaign in Bavet prepared. ii.) Implementation modality through service contracting of either an NGO or an individual expert; iii.) The awareness campaigns will be implemented during the O&M phase of the urban road, possibly in late 2019.	i.) Budget to be accessed from the \$30,000 USD; ii.) Ensure that there is available service provider which is competent and has track record in conducting road safety awareness campaigns in Cambodia.
Output 3 (DMF & GAP output is the same): Institutional capacity strengthened		
GAP component 6 - institutional strengthening for gender and development (cost included in project output 1)		
Ensure that 30% of the overall staff positions and 30% of the management positions in the Project Management Units and Project Support Units to be female	Total PMU staffs is 10; 8 (80%) men and 2 women (20%) women.	Gender action target may not be realized because the PMU has already existing staffs already in place even before start of project implementation. This issue will be addressed during the MTR; with



Units to be female Responsibility: Prepared by Hor Sakphea, Social Safeguard/Gender Specialist Time: 30 June 2018 Target 7:		support document to justify its re-targeting
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2) Status of Compliance with Design and Monitoring Framework (DMF)

Design Summary	Performance Targets and Indicators	Progress to Date This should include information on period of actual implementation, sex-disaggregated quantitative updates (e.g. number of participating women, women beneficiaries of services, etc.), and qualitative information. However, some would be on-going - so explain what has happened so far towards meeting the target.
Output 1: SLEDPs adopted and implemented in Battambang, Bavet, Neak Loeung, and Poipet	GAP implementation focuses on the SLEDPs thrusts on poverty, gender and ethnicity; more attention is given to the employment and livelihood issues of female heads of households; also on the social issues confronting young girls along education, employment in the tourism and service sectors	Gender action targets in the GAP are continuously implemented and monitored using gender performance monitoring tools.
Output2. Priority urban infrastructure Investments implemented	30% of construction workers hired as unskilled laborers are women.	To date, only 27% of total construction workers are women; this is short of the 30% target. This issue was discussed by ADB and PMU during the ADB mission wrap up meeting last April, 27, 2018 where ADB enjoined PMU and the PIUs to discuss this with civil works contractors. PISCD, in behalf of PMU will discuss further discuss this issue with the PIUs to ensure that this is closely monitored.
Output 3: Institutional capacity strengthened	Staff quota of 30% women in the PMU and PIU with increased role in decision making	Only 16% of total PIU staffs are women occupying support positions; only 1 (3%) woman PIU staff perform managerial position. This seems difficult to achieve because the PMU and PIU staffs are already existing even before the start of project implementation. Issue to be tackled during the MTR in November.
	Women hold 30% of overall staff positions and 30% of the management positions in the PMU and PIU	A total 10 members with 8 men and 2 women (20% women) as staff of PMU. After staff reduction, a total 31 PIU staffs of the four towns are remaining. Five (5) are women which is 16%.



Comments/ Remarks (conclusion of status of GAP implementation and suggestion/recommendation for improvement):

Accomplished by: Hor Sakphea, Social Safeguard/ Gender Specialist

Date Accomplished: 30 June 2018



APPENDIX K

STATUS OF COMPLIANCE WITH LOAN COVENANTS

No.	Covenant	Reference in LA	Status of Compliance
1.	Implementation Arrangements The Borrower shall ensure that the Project is implemented in accordance with the detailed arrangements set forth in the PAM. Any subsequent change to the PAM 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.	Schedule 5, Para. 1	Complied
2.	Environment The Borrower shall ensure, and cause MPWT 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. The Borrower shall ensure, and cause MPWT to ensure, that the foregoing is applied and implemented for all Parts of the Project, regardless of the financing source.	Schedule 5, Para. 2	Ongoing
3.	The Borrower shall ensure that Bavet and Poipet municipalities pass regulation requiring that no untreated waste water is discharged by industrial companies within 36 months of the Effective Date.	Schedule 5, Para. 3	Complied
4.	Land Acquisition and Involuntary Resettlement The Borrower shall ensure, and cause each Project province to ensure, that all land and all rights-of-way required for the Project are made available to the Works contractor in accordance with the schedule agreed under the related Works contract and all land acquisition and resettlement activities are implemented in compliance with: (a) all applicable laws and regulations of the Borrower relating to land acquisition and involuntary resettlement; (b) the Involuntary Resettlement Safeguards; and (c) all measures and requirements set forth in the RPs, and any corrective or preventative actions set forth in the Safeguards Monitoring Report. Without limiting the generality of the foregoing, the Borrower shall ensure, and cause each Project province to ensure, that prior to the commencement of Works a clear land title (which is free of any kind of encumbrance) shall be provided for the implementation of Parts 3, 6 and 10 of the Project.	Schedule 5, Para. 4	Complied
5.	Without limiting the application of the Involuntary Resettlement Safeguards or the RPs, the Borrower shall cause MPWT to ensure that no physical or economic displacement takes place in connection with the Project until: (a) compensation and other entitlements have been provided to affected people in accordance with the RPs; and	Schedule 5, Para. 5	Complied



No.	Covenant	Reference in LA	Status of Compliance
	(b) a comprehensive income and livelihood restoration program has been established in accordance with the RPs.		
6.	Indigenous Peoples No impact on indigenous people is expected for the Project. In the event that there is any such impact, the Borrower shall cause MPWT to ensure that it adheres to applicable laws and regulations of the Borrower and the SPS.	Schedule 5, Para. 6	Complied
7.	Human and Financial Resources to Implement Safeguards Requirements The Borrower shall make available, and cause MPWT to make available, necessary budgetary and human resources to fully implement the EMPs and the RPs.	Schedule 5, Para. 7	Complied
8.	Safeguards – Related Provisions in Bidding Documents and Works Contracts The Borrower shall ensure, and cause MPWT to ensure, that all bidding documents and contracts for Works contain provisions that require contractors to: (a) comply with the measures relevant to the contractor set forth in the IEEs, the EMPs and 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; and (c) provide the Borrower with a written notice of any unanticipated environmental, resettlement or indigenous peoples risks or impacts that arise during construction, implementation or operation of the Project that were not considered in the IEEs, the EMPs and the RPs.	Schedule 5, Para. 8	Complied
9.	Safeguards Monitoring and Reporting The Borrower shall do the following: (a) submit semiannual Safeguards Monitoring Reports to ADB and disclose relevant information from such reports to affected persons promptly upon submission; (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; (c) no later than the commencement of land acquisition and resettlement activities, engage qualified and experienced external monitoring organization(s) under terms of references acceptable to the Borrower and ADB, to verify information produced through the Project monitoring process and facilitate	Schedule 5, Para. 9	Ongoing



No.	Covenant	Reference in LA	Status of Compliance
	the carrying out of any verification activities; and (d) 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.		
10.	Prohibited List of Investments The Borrower shall ensure that no proceeds of the Loan are used to finance any activity included in the list of prohibited investment activities provided in Appendix 5 of the SPS.	Schedule 5, Para. 10	Complied
11.	Labor Standards and Health The Borrower shall ensure, and cause MPWT to ensure that, all Works contractors: (a) comply with all applicable labor laws of the Borrower; (b) use their best efforts to employ women and local people, including disadvantaged people, living in the vicinity of the Project; (c) disseminate information at worksites on health safety for those employed during construction; (d) provide equal pay to men and women for work of equal type; (e) provide safe working conditions and separate culturally appropriate facilities for male and female workers; and (f) abstain from child labor.	Schedule 5, Para. 11	Complied
12.	Gender and Development The Borrower shall ensure, and cause MPWT to ensure, that: (a) the gender action plan developed for the Project is implemented in accordance with its terms; (b) the bidding documents include relevant provisions for contractors to comply with the measures set forth in this plan; (c) adequate resources are allocated for the implementation of this plan; and (d) key gender outcome and output targets (notably: (i) gender awareness and sensitisation training to be carried out for 30 staff from MPWT and the implementing agencies; (ii) 30 percent of the construction workers hired by the Works contractors should be female; (iii) 20 percent of the total staff in the project management unit and the project implementation units of the Project shall be female; and (iv) within 24 months of the Effective Date, 20 percent of the total management positions in the project management unit and the project implementation units of the Project shall be occupied by female) are monitored regularly and achieved.	Schedule 5, Para. 12	Complied
13.	The Borrower shall ensure, and cause MPWT to ensure that, the stakeholder communication strategy developed for the Project is implemented in a timely manner.	Schedule 5, Para. 13	Ongoing
14.	Sector Development The Borrower shall cause MPWT to: (a) adopt a business plan for achieving full cost recovery (to cover operation and maintenance expenditures) of the facilities developed under Parts 1, 4 and 8 of the Project prior to their physical completion; and (b) commit to making up shortfall through budget allocations to cover operation and maintenance expenditures.	Schedule 5, Para. 14	Not yet due
15.	Governance and Anticorruption The Borrower shall: (a) comply with ADB's Anticorruption Policy (1998, as amended to date) and acknowledge that ADB	Schedule 5, Para. 15	Complied



No.	Covenant	Reference in LA	Status of Compliance
	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.		
16.	The Borrower shall ensure, and cause MPWT to ensure, that the anticorruption provisions acceptable to ADB are included in all bidding documents and contracts, including provisions specifying the right of ADB to audit and examine the records and accounts of the executing and implementing agencies and all contractors, suppliers, consultants, and other service providers as they relate to the Project.	Schedule 5, Para. 16	Complied
17.	The Borrower shall cause MPWT to prepare and effectively implement a good governance framework, in a form and substance acceptable to ADB during Project implementation.	Schedule 5, Para. 17	Complied
18.	The Borrower shall: (i) maintain separate accounts and records for the Project; (ii) prepare annual financial statements for the Project in accordance with accounting principles acceptable to ADB; (iii) have such financial statements audited annually by independent auditors whose qualifications, experience and terms of reference are acceptable to ADB, in accordance with international standards for auditing or the national equivalent acceptable to ADB; (iv) as part of each such audit, have the auditors prepare a report (which includes the auditors' opinion on the use of the Loan proceeds and compliance with the financial covenants of this Loan Agreement as well as on the use of the procedures for imprest fund and statement of expenditures) and a management letter (which sets out the deficiencies in the internal control of the Project that were identified in the course of the audit, if any); and (v) furnish to ADB, no later than 6 months after the end of each related fiscal year, copies of such audited financial statements, audit report and management letter, all in the English language, and such other information concerning these documents and the audit thereof as ADB shall from time to time reasonably request.	Article IV, Section 4.02 (a)	Complied
19.	ADB shall disclose the annual audited financial statements for the Project and the opinion of the auditors on the financial statements within 30 days of the date of their receipt by posting them on ADB's website.	Article IV, Section 4.02 (b)	Complied with
20.	The Borrower shall enable ADB, upon ADB's request, to discuss the financial statements for the Project and the Borrower's financial affairs where they relate to the Project with the auditors appointed pursuant to subsection (a)(iii) hereinabove, and shall authorize and require any representative of such auditors to participate in any such discussions requested by ADB. This is provided that such discussions shall be conducted only in the presence of an authorized officer of the Borrower unless the Borrower shall otherwise agree.	Article IV, Section 4.02 (c)	Complied with
21.	The Borrower shall enable ADB's representatives to inspect the Project, the Goods and Works, and any relevant records and documents.	Article IV, Section 4.03	Complied



APPENDIX L

RISK ASSESSMENT AND RISK MANAGEMENT PLAN (RARMP)

No.	Risk/Issue	Assessment without Mitigation	Action to Mitigated Risk	Responsibility	Target/Monitoring	Status as at (June 2017)	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 November 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 (June 2017)	Supporting Evidence
			Recruitment of a well-experienced procurement officer and website officer in PMU to avoid procurement and eventual implementation delays	EA/IAs	Throughout Project duration	Procurement Specialist contracted in Aug 2014 by PISCD and in June 2016 by PMU. Website officer is a PMU member.	Copies of contracts with PMU.
			Closely monitor and review procurement conduct, and where necessary, take measures to improve procedures based on lessons learnt from each successive procurement activity.	EA, MEF and ADB	Throughout Project duration	EA/MEF monitoring and reviewing the conduct of procurements.	BEC and CEC reports. PRC minutes of meetings.
			EA/IAs will recruit additional national and/or national procurement staff if required.	EA/IAs		No additional procurement staff required.	-
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 SOP and FMM.	EA/IAs; MEF to ensure compliance with SOP/ FMM, Loan	Throughout Project duration	Specified fin'l. management procedures followed since 31	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 (June 2017)	Supporting Evidence
				Agreement and ADB's Anticorruption Policy		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 prepare a declaration statement for staff's signature.	EA/IAs to ensure all Project staff sign the disclosures	Throughout Project duration Project director to ensure all project staff signs the disclosures.		



No.	Risk/Issue	Assessment without Mitigation	Action to Mitigated Risk	Responsibility	Target/Monitoring	Status as at (June 2017)	Supporting Evidence
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.
Element 6: Sanctions							



No.	Risk/Issue	Assessment without Mitigation	Action to Mitigated Risk	Responsibility	Target/Monitoring	Status as at (June 2017)	Supporting Evidence
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 supervision		Project to recruit experienced site supervision consultants to assist EA/IAs.. Regular technical audit is to be undertaken with any adverse findings to be acted upon	EA and IAs, and with ADB NOL EA and IAs	Prior to award of first works contract. Throughout Project duration.	Construction Supervision Consultant recruited To be complied during	CS contract document. -



No.	Risk/Issue	Assessment without Mitigation	Action to Mitigated Risk	Responsibility	Target/Monitoring	Status as at (June 2017)	Supporting Evidence
			immediately. Project to evaluate contractors' performance with poor performing contractors declared ineligible to bid for at least one year.	EA and IAs, and with ADB NOL	Annually	construction. To be complied during construction.	-