



GREEN
CLIMATE
FUND



CLIMATE-FRIENDLY AGRIBUSINESS VALUE CHAINS SECTOR PROJECT (CFAVC)

CONSOLIDATED ANNUAL REPORT 2023

30-January-2024

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ACRONYMS AND ABBREVIATIONS

AC	Agricultural Cooperative
ADB	Asian Development Bank
AESA	Agri-consulting Europe S. A
ASEAN	Association of Southeast Asian Nations
BER	Bid Evaluation Report
BPCR	Borrower's Project Completion Report
BoQ	Bill of Quantities
CAMGAP	Cambodia Good Agricultural Practice
CARDI	Cambodia Agricultural Research and Development Institute
CAVAC	Cambodia Agricultural Value Chain Program
CFAVC	Climate Friendly Agribusiness Value Chains Sector Project
CGF	Climate Green Fund
CRM	Certified reference materials
CSA	Climate Smart Agriculture
CS1	Project Implementation Consultants (PIC)
CS2	Capacity Building and Climate Smart Agribusiness Consulting Team
CS4	Information Communication Technology Platform
CS5	Feasibility Studies and Detailed Engineering Design Consulting Firm
CSR	Corporate Social Responsibility
DACP	Department of Agricultural Cooperative Promotion
DAEng	Department of Agricultural Engineering
DAL	Department of Agricultural Legislation
DAM	Department of Agricultural Machinery
DDR	Due Diligence Report
DED	Detailed Engineering Design
DMF	Design and Monitoring Framework
DoPS	Department of Planning and Statistic
DRP	Draft Resettlement Plan
DTL	Deputy Team Leader
EA	Executing Agency
EARF	Environmental Assessment and Reviewing Framework
ECC	Environmental Code of Conduct
EIRR	Economic Internal Rate of Return
ELC	Economic Land Concessions
EMP	Environmental Management Plan
FAO	Food and Agriculture Organization
FGD	Focus Group Discussion
FSR	Feasibility Study Report
FWUC	Farmer Water User Community
FWUG	Farmer Water User Groups
GAP	Gender Action Plan
GCF	Green Climate Fund
GDA	General Directorate of Agriculture
GDAHP	General Directorate of Animal Health and Production
GDR	General Department of Resettlement
GFP	Gender Focal Point
GHG	Greenhouse Gases
GMO	Genetically Modified Organism
GMS	Greater Mekong Subregion
GRM	Grievance Redress Mechanism
GSA	Climate Smart Agriculture
ha	Hectare
IA	Implementing Agency
ICT	Information and Communication Technology
IEE	Initial Environmental Examination
IMC	Inter-Ministerial Committee
IRC	Inter-Ministerial Resettlement Committee
IRRI	International Rice Research Institute
ISO	International Standards Organization
ITP	Independent Third Party
KCM	Kampong Cham province
Km	Kilometer
KW	Kilowatt
KPT	Kampot province
LARF	Land Acquisition and Resettlement Framework
M&E	Monitoring and Evaluation
MAFF	Ministry of Agriculture, Forestry, and Fisheries
MC	Main Canal

MEF	Ministry of Economics and Finance
MFI	Micro-finance Institution
MIH	Ministry of Industry and Handicrafts
MISTI	Ministry of Industry, Science, Technology and Innovation
MOC	Ministry of Commerce
MOE	Ministry of Environment
MOLMUPC	Ministry of Land Management, Urban Planning and Construction
MOU	Memorandum of Understanding
MOWRAM	Ministry of Water Resources and Meteorology
MRD	Ministry of Rural Development
NAL	National Agricultural Laboratory
NBP	National Biogas Program
NCB	National Competitive Bidding
NCO	National Laboratory Coordinator
NGO	Non-government Organization
NSC	National Standard Council
NTD	National Technical Department
O&M	Operation and Maintenance
PADC	Provincial Agricultural Development Center
PAM	Project Administration Manual
PBL	Plant Biotechnology Laboratory
PCR	Polymerase chain reaction
PD	National Project Director
PDAFF	Provincial Departments of Agriculture, Forestry and Fisheries
PDRD	Provincial Department of Rural Development
PDWRAM	Provincial Department of Water Resources and Meteorology
PEW	Provincial Engineering Workshop
PIC	Project Implementation Consultants
PIU	Project Implementation Unit
PM	National Project Manager
PMU	Project Management Unit
PPIU	Provincial Project Implementation Unit
PPC	Project Preparation Consultant
PPMS	Project Performance and Monitoring System
PPP	Public Private Partnership
PPTA	Project Preparation Technical Assistance
PV	Photo-voltaic
QPR	Quarterly Progress Report
RDC	Resources Development Consultants
REDD+	Reducing emissions from deforestation and forest degradation in developing countries, and the role of conservation, sustainable management of forests, and enhancement of forest carbon stocks in developing countries
RGC	Royal Government of Cambodia
RF	Resettlement Framework
RP	Resettlement Plan
SEO	Social and Environmental Officer
SRP	Sustainable Rice Platform
SWOT	Strength, Weakness, Opportunity and Threat
TA	Technical Assistance
TAK	Takeo province
TBK	Tbong Khmum province
TC	Technical Committee
TL	Team Leader
TOR	Terms of Reference
TOT	Training of Trainers
UNFCCC	United Nations Framework Convention on Climate Change
WFN	Women Farmers' Network
WG	Working Group

Executive Summary

For this reporting period, the summary of project progress as following:

1) Overall Achievement

- The project has consumed (time elapsed) **65%** (62 out of 95 months), overall disbursement is **28.7%**, and expenditures rate is **27.3%** of the total fund (141.04M\$), and the overall project progress is **56.33%**.

2) Problem Statement

- The project has shortage of consultants, especially safeguard consultants (environment, resettlement, and gender) since they have resigned from the project since Q1 2023.
- It is impossible to implement the current procurement plan for bio-digesters and compost huts since the local suppliers cannot compliance with procurement method.
- Independence Third Party to review social safeguard is not yet recruited
- Consultants have shortage of the remaining input to do their professional assignment.

3) Recommended Solutions

- For the shortage of consultants, PMU has urged firm to faster the recruitment of qualified consultant for the project as soon as possible. For now, two consultants have been mobilized (environment, safeguard and gender).
- For current procurement method, PMU has proposed to MEF and ADB to change it.
- ITP will be recruited as soon as possible, hopefully we will in Q1 2024.
- The consulting firm and PMU has prepared the VO15 to submit to MEF and ADB

4) Conclusion

- In inclusion the project is remain going on-track as the overall achievement mentioned above.
- ADB Mid-term Review Mission has been conducted from 25 September to 6 October 2023. The progress of MOU's agreed action plan is in appendix 9.

1. INTRODUCTION AND BASIC DATA

The project basic data is showed in the following table.

Table 1: Project basic data

Loan/Grant Number(s)	Loan No. 3661-CAM (COL) / 8346-CAM (EF) Grant No. 0579 - CAM (EF)		
Project Name	Climate Friendly Agri-business Value Chains Sector Project (CFAVC)		
Project Number	48409-002		
Sector/sub-Sector	Agriculture Natural Resources Rural Development		
Executing Agency (EA)	Ministry of Agriculture, Forestry and Fisheries (MAFF)		
Implementing Agency (IA)	Cambodia Agricultural Research and Development Institute (CARDI) General Directorate of Animal Health and Production (GDAH) of MAFF General Directorate of Agriculture (GDA) of MAFF General Department Directorate of Technical Affairs of MOWRAM General Directorate of Technical Affairs of MRD		
Total Project Cost (US\$ million)	141.040		
Financing Source(s)	Financiers	Amount (US\$ million)	Share of Total (%)
	ADB loan (No.3661-CAM)	90	64%
	GCF loan (No.8346-CAM)	10	7%
	GCF Grant (No.0579-CAM)	30	21%
	RGC	7.376	5%
	Beneficiaries	3.664	3%
Date of Loan/Grant Approval	29 Jun 2018		
Date of Signing of Loan/Grant Agreements	06 Jul 2018		
Closing Date of Loan/Grant	31 Mar 2025		
Revised closing date (if applicable)	30 Sep 2026		
Dates of Last Review Mission (if applicable)	25 September to 6 October 2023		
Project Impact	Agricultural competitiveness improved		
Project Outcome (or Component)	Productive and resource-efficient agribusiness value chains developed in project areas		
Allocation of Loan Proceeds	Components	Amount (US\$ million)	Share of total
	PMU-MAFF	57.15	41%
	MOWRAM	44.24	31%
	MRD	37.35	26%
	Unassigned (<i>Interest Charges</i>)	2.31	2%
Project Area (provinces)	<ul style="list-style-type: none"> - Kampong Cham - Kampot - Takeo - Tboung Khmum 		
Overall Project Progress (as of this report)	56.33%		
Elapsed time	65% (62 out of 95 months)		
Disbursement	28.7% (of total project cost)		
Expenditure	27.3% (of total project cost)		

2. PROJECT PURPOSE

2.1 Scope of the Project

The scope of the project has kept the same as the original version in PAM as below.

The Climate-Friendly Agribusiness Value Chains Sector Project will support the implementation of the government's Agriculture Sector Strategic Development Plan, 2014–2018 and the Industrial Development Policy, 2015–2025 aimed at improving the competitiveness of agricultural value chains in Kampong Cham and Tboung Khmum provinces along the Greater Mekong Sub-region (GMS) southern economic corridor, and Kampot and Takeo provinces along the south-coastal economic corridor. The project will boost the climate resilience of critical agricultural infrastructure and help commercialize rice, maize, cassava, and mango production. It will help increase crop productivity and diversification; improve the capacity for storage, processing, and quality and safety testing; and promote the use of solar and bioenergy. It will strengthen the technical and institutional capacity for climate-smart agriculture (CSA) and create an enabling policy environment for climate-friendly agribusinesses. This will in turn promote long-term environmental sustainability and enhance the profitability for farmers and agribusinesses.

Impact and Outcome:

The project is aligned with the following impact: agricultural competitiveness improved. The impact is reflected in enhanced productivity, climate resilience, quality and safety, value addition and rural household incomes. The project will have the following outcome: productive and resource efficient agribusiness value chains developed in the project areas.

The CFAVC project has 3 Outputs as follows:

Output 1: Critical Agribusiness Value Chain Infrastructure Improved and Made Climate Resilient. The output addresses infrastructure gaps to enhance competitiveness of the value chains of rice, maize, cassava and mango in target provinces. Key activities include:

- i. Rehabilitating at least 15,000 Ha irrigation (in 27 schemes), water management infrastructure (800 rainwater harvest ponds) to climate-resilient condition, and 15 drip irrigation demonstration units.
- ii. Upgrading agricultural cooperatives' value chain infrastructure (drying, processing and storage facilities of at least 80 cooperatives);
- iii. Improving the connectivity of farms to cooperatives and markets through climate-resilient farm road networks of at least 250 km length;
- iv. Strengthening the infrastructure for agricultural quality and safety testing at National Agricultural Laboratory; and
- v. Promoting renewable energy for value chain improvement by means of the installation of 12,000 bio-digesters and 6,000 compost huts.

Output 2: Climate Smart Agriculture and Agribusiness Promoted.

Key activities under this output include

- i. Deploying climate-resilient varieties for rice (2 varieties) and maize;
- ii. Strengthening the capacity in climate-friendly production practices and technologies;
- iii. Forming and training 27 Farmer Water User Committees in the 27 irrigation schemes, and
- iv. Promoting farm mechanization and extension with the improvement of 4 PADCs and 4 agricultural workshops.

Output 3: Enabling Environment for Climate Friendly Agribusiness Enhanced. The project assists the Ministry of Agriculture, Forestry and Fisheries and the Ministry of Commerce in creating an appropriate enabling policy environment for agribusinesses. Key activities include:

- i. Formulating climate-friendly agribusiness policies and standards;
- ii. Promoting green finance and risk-sharing mechanisms; and
- iii. Supporting climate risk management through information and communication technologies (ICT).

2.2 Assessment on Likelihood of Achieving Project Objectives and Outcomes

As of this quarter, the project has consumed (time elapsed) **65%** (62 out of 95 months), overall disbursement is **28.7%**, and expenditures rate is **27.3%** of the total fund (141.04M\$), and the overall project progress is **56.33%**.

The project is on-track. The Objectives and Outcomes of the project is likely to achieve as shows in the appendix 3 (Performance Against DMF).

ADB Mid-term Review Mission has been conducted from 25 September to 6 October 2023. The Memorandum of Understanding (MoU) between ADB and the RGC shows in Appendix 6. The progress of MOU's agreed action plan is in Appendix 7.

2.3 Assessment on Changes of Project Scope (if any major change)

The original scope of the project is not changed. The key assumptions and risks are kept as the same as stated in PAM.

3. UTILIZATION AND FUNDS

3.1 Introduction

The summary of total cost by source of funds are showed in table 2, 3, and 4 as following.

Table 2: A summary of total cost by source of funds: Loan No. 3661-CAM

Cat. Ref.	Cat. Code	Category Name	Amount (in USD)				
			Fund Allocation	Contracts Awarded	Uncontracted Balance	Contracts Disbursed	Undisbursed Balance
			A	B	C = A-B	D	E = A-D
01A	0301	Works-Irrigation and Roads	60,537,190.00	23,410,761.22	37,126,428.78	11,182,355.51	49,354,834.49
01B	0302	Works-Warehouse and Laboratory	5,762,800.00	8,886,893.77	(3,124,093.77)	8,599,565.62	(2,836,765.62)
01C	0303	Works-Other Infrastructure	1,330,600.00	-	1,330,600.00	-	1,330,600.00
02	1501	Equipment, Materials, Goods & Project Implementation Service	16,757,700.00	11,389,721.60	5,367,978.40	8,221,059.95	8,536,640.05
03	2701	Incremental Operating Cost	4,187,100.00	1,568,244.04	2,618,855.96	1,515,400.48	2,671,699.52
04	6901	Interest Charge	1,424,610.00	-	1,424,610.00	392,423.74	1,032,186.26
99	9901	Advance Accounting-MEF	-	-	-	1,548,000.00	(1,548,000.00)
		Total:	90,000,000.00	45,255,620.63	44,744,379.37	31,458,805.30	58,541,194.70

Table 3: A summary of total cost by source of funds: Loan No. 8346-CAM

Cat. Ref.	Cat. Code	Category Name	Amount (in USD)				
			Fund Allocation	Contracts Awarded	Uncontracted Balance	Contracts Disbursed	Undisbursed Balance
			A	B	C = A-B	D	E = A-D
01A	0301	Works-Irrigation and Roads	9,963,900.00	3,871,310.78	6,092,589.22	1,746,639.33	8,217,260.67
01B	6601	Service Charge	36,100.00	-	36,100.00	4,973.52	31,126.48
99	9901	Advance Accounting-MEF	-	-	-	366,000.00	(366,000.00)
		Total:	10,000,000.00	3,871,310.78	6,128,689.22	2,117,612.85	7,882,387.15

Table 4: A summary of total cost by source of funds: Grant No. 0579-CAM

Cat. Code	Category Name	Amount (in USD)				
		Fund Allocation	Contracts Awarded	Uncontracted Balance	Contracts Disbursed	Undisbursed Balance
		A	B	C = A-B	D	E = A-D
0301	1A Works-Irrigation and Roads	8,295,660.00	3,200,690.02	5,094,969.98	1,528,837.66	6,766,822.34
0302	1B Works-Other Infrastructure	114,050.00	24,687.10	89,362.90	-	114,050.00
0303	1C Works-Biogas Plants & Compost Huts	2,854,150.00	-	2,854,150.00	-	2,854,150.00
1501	2 EQPT, Studies, Surveys, & Proj IMP SVCS	10,785,430.00	1,694,111.00	9,091,319.00	309,952.65	10,475,477.35
2401	3 Trainings, Workshops & Demonstration	7,456,780.00	2,858,270.60	4,598,509.40	2,858,270.60	4,598,509.40
2701	4 Incremental Cost	493,930.00	-	493,930.00	-	493,930.00
	Total:	30,000,000.00	7,777,758.72	22,222,241.28	4,697,060.91	25,302,939.09

3.2 Disbursement

For this reporting period, the project has accumulated disbursement 40.53 million dollar which is equal to 28.7% of total budget as in table 7 below.

Table 5: Summary of Disbursements by source of funds

Sources of Fund	Budget Allocation (USD)	Disbursement (USD)	Percentage (%)
ADB loan (L3661)	90,000,000	31,458,805	35.0%
GCF loan (L8346)	10,000,000	2,117,613	21.2%
GCF Grant (G0579)	30,000,000	6,049,061	20.2%
RGC	7,376,000	910,499	12.3%
Beneficiaries	3,664,000	-	-
Overall Total	141,040,000	40,535,978	28.7%

3.3 Re-allocation (if applicable)

There is no budget reallocation for this reporting period. It will be reviewed for ADB Mid-term Review Mission period.

3.4 Financial Management

3.4.1 Status of Audit Implementation

Financial audit has been conducted by the external independent audit firm, KPMG, for year 2022. The result is in appendix 5.

3.4.2 Project Cost and Expenditure

- **Project Cost**

The project cost by source of funds is showed in the table 15 below.

Table 6: Project cost by financing sources

Sources of Fund	Budget Allocation (USD)	Percentage (%)
ADB loan (L3661)	90,000,000	63.81%
GCF loan (L8346)	10,000,000	7.09%
GCF Grant (G0579)	30,000,000	21.27%
RGC	7,376,000	5.23%
Beneficiaries	3,664,000	2.60%
Overall Total	141,040,000	100.00%

- **Project Expenditure**

The overall project expenditure is accumulated 29.56 million USD which equal to 21.0% of total budget. For the project expenditure is showed in table 16, 17, 18.

Table 7: Summary of Expenditures by Sources of Fund Vs Budget

SOURCE	Budget (Allocation)	2023 Annual Budget	Year to date Expenditures (31/Dec/23)	Cumulative to date Expenditures (31/Dec/23)	Overall Expenditures Rate %	
					2023	Overall
ADB loan (L3661)	90,000,000	24,610,392	18,509,289	30,728,809	75.2%	34.1%
GCF loan (L8346)	10,000,000	2,163,610	1,426,096	1,967,091	65.9%	19.7%
GCF Grant (G0579)	30,000,000	6,448,185	2,855,421	5,064,331	44.3%	16.9%
RGC	7,376,000	170,320	163,929	789,258	96.2%	10.7%
Beneficiaries	3,664,000	-	-	-		0.0%
TOTAL	141,040,000	33,392,507	22,954,735	38,549,490	68.7%	27.3%

Table 8: Summary of Expenditures by PMUs Vs Budget

EAs/ IAs	Budget (Allocation)	2023 Annual Budget	Year to date Expenditures 31/Dec/2023	Cumulative to date Expenditures 31/Dec/2023	Overall Expenditures Rate %	
					2023	Overall
PMU-MAFF	57,149,457	14,420,493	11,501,630	22,588,638	79.8%	39.5%
MOWRAM	44,235,807	9,654,920	4,868,728	7,539,930	50.4%	17.0%
MRD	37,349,607	9,317,094	6,584,377	8,420,922	70.7%	22.5%
Unassigned (Interest Charges)	2,305,129	-	-	-	0.0%	0.0%
TOTAL	141,040,000	33,392,507	22,954,735	38,549,490	68.7%	27.3%

Table 9: consolidated expenditure by category (PMU-MAFF, MOWRAM & MRD)

Expenditure	Expenditures during the Reporting Period (\$) (Q3)						Cumulative Expenditures (\$)					
	A	B	C	D	E	Total	A	B	C	D	E	Total
	Loan 3661-CAM	Loan 8346-CAM	Grant 0579-CAM	RGC	Beneficiaries		Loan 3661-CAM	Loan 8346-CAM	Grant 0579-CAM	RGC	Beneficiaries	
Category												
Civil Works	6,315,140	524,021	433,246	-	-	7,272,408	20,268,932	1,962,118	1,583,415	-	-	23,814,465
Goods (Equipment & Supplies)	-	-	-	-	-	-	913,650	-	-	-	-	913,650
Capacity Development (Training, Workshops, Seminars)	-	-	574,363	-	-	574,363	-	-	3,226,799	-	-	3,226,799
Consulting Services	710,800	-	-	-	-	710,800	7,363,246	-	254,117	-	-	7,617,363
Incremental Operating Costs (Project Management)	171,735	-	-	52,555	-	224,290	1,790,557	-	-	789,258	-	2,579,816
Subtotal	7,197,675	524,021	1,007,609	52,555	-	8,781,860	30,336,385	1,962,118	5,064,331	789,258	-	38,152,092
JFPR Total	-	-	-	-	-	-	-	-	-	-	-	-
GOVERNMENT	-	-	-	-	-	-	-	-	-	-	-	-
OTHER DONOR/ Interest Charges	200,349	3,109	-	-	-	203,458	392,424	4,974	-	-	-	397,397
						-	-	-	-	-	-	-
OVERALL TOTAL (MAFF-MOWRAM-MRD)	7,398,024	527,131	1,007,609	52,555	-	8,985,318	30,728,809	1,967,091	5,064,331	789,258	-	38,549,490

Table 10: Project awarded contracts

Contract Awards										
No.	Package Number	General Description, Name of Consultant, Contractor, Supplier	Amount (\$)		Contract Period (dd/mm/yy)		Funding Source (ADB, gov't, other donors)	Procurement /Recruitment Method		Comments
			Estimate	Actual	Start	End		Proposed	Actual (indicate only if changed)	
Works										
1	CFAVC-KP-TR-CW2	The Rehabilitation of Trapeang Run Irrigation Subproject in Kampot Province	655,110.00	685,283.09	10-Nov-20	04-Agu-21	ADB	NCB	NCB	Completed
2	CFAVC-MOWRAM-TBM-CW13.1	The Rehabilitation of Three (3) Schemes (Kbal Teuk, Tuol Pring, and Trapeang Tros) Irrigation Subprojects in Tbong Khmum Province	2,565,971.00	2,234,441.33	02-Aug-23	17-Sep-23	ADB	NCB	NCB	Completed
3	CFAVC-MOWRAM-TEO-CW15.1	The Rehabilitation of Two (2) Schemes (Prey Kdouch and Kraing Empil) Irrigation Subprojects in Takeo Province	1,749,734.00	1,392,848.85	03-Jan-22	04-May-23	ADB	NCB	NCB	Completed
4	CFAVC-MOWRAM-KPC-CW14.1	The Rehabilitation of Two (2) Schemes (Pram Kompheak and O'Kamprok) Irrigation Subprojects in Kampong Cham Province	2,589,443.00	2,201,388.95	30-Dec-22	14-Oct-23	ADB	NCB	NCB	Completed
5	CFAVC-MOWRAM-KPT-CW12.1	The Rehabilitation of Takouch Irrigation Subproject in Kampot Province	757,200.00	621,018.47	14-Feb-22	14-Sep-24	ADB	NCB	NCB	Completed
6	CFAVC-MOWRAM-TBM-CW13.2	The Rehabilitation of Two (2) Schemes (Tbong Damrei Community and Kampong Raing Feeding Canal) Irrigation Subprojects in Tbong Khmum Province	1,964,210.00	2,787,043.73	06-Oct-23	-	ADB	NCB	NCB	On-going Contract
7	CFAVC-MOWRAM-KPT-CW12.2A	The Rehabilitation of Trapeang Boeung Reservoir Irrigation Subproject in Kampot Province	2,011,961.00	2,519,988.18	09-Oct-23	-	ADB	NCB	NCB	On-goingOn-going contract
8	CFAVC-MOWRAM-KPT-CW12.2B	The Rehabilitation of Two (2) Schemes (Kandal Irrigation System and Prawoek Pong Reservoir) Irrigation Subprojects in Kampot Province	2,148,936.78	2,667,165.77	09-Oct-23	-	ADB	NCB	NCB	On-goingOn-going contract
9	CFAVC-MOWRAM-TEO-CW15.2	The Rehabilitation of Three (3) Schemes (Kwaeng Tayi, Plov Touk & Chrouk 1, and Prey Rumdeng Feeding Canal) Irrigation Subprojects in Takeo Province	2,867,160	2,458,543.73	09-Oct-23		ADB	NCB	NCB	On-goingOn-going contract
10	CFAVC-MOWRAM-TEO-CW15.3	The Rehabilitation of Two (2) Schemes (Pralay 42 and Pralay 95) Irrigations Subprojects in Takeo Province	2339235.15	2,331,210.89	09-Oct-23		ADB	NCB	NCB	On-going Contract
11	CFAVC-RWHP-KAM-CW01-A.1	The Construction and Rehabilitation of 80 Rain Water Harvesting Ponds (RWHPs) in Kampot Province	1,052,264	1,159,762.42	22-Aug-23		ADB	NCB	NCB	On-going Contract
12	CFAVC-RWHP-TBM-CW01-B.1	The Construction and Rehabilitation of 63 Rain Water Harvesting	1,372,555	1,324,598.16	01-Nov-23		ADB	NCB	NCB	On-going

		Ponds (RWHPs) in Tbong Khmum Province						NCB		Contract
13	CFAVC-RWHP-KPC-CW01-C.1	The Construction and Rehabilitation of 66 Rain Water Harvesting Ponds (RWHPs) in Kampong Cham Province	984,278	1,026,789.89			ADB			
14	CFAVC-RWHP-TEO-CW01-D.1	The Construction and Rehabilitation of 69 Rain Water Harvesting Ponds (RWHPs) in Takeo Province	1,310,336	1,264,292.58			ADB			
15	Lot1: CW7/CFAVC/MAFF/2021/01	The Construction of Mechanization Engineering Workshop-PDAFF-TBK	60,154.96	62,176.87	16-Aug-21	15-Nov-21	ADB	NCB	NCB	Completed
16	Lot2: CW7/CFAVC/MAFF/2021/02	The Construction of Mechanization Engineering Workshop-PDAFF-TBK	60154.96	62176.87	16-Aug-21	15-Nov-21	ADB	NCB	NCB	Completed
17	Lot3: CW7/CFAVC/MAFF/2021/03	The Construction of Mechanization Engineering Workshop-PDAFF-KCM	60154.96	62176.87	16-Aug-21	15-Nov-21	ADB	NCB	NCB	Completed
18	Lot1: CW4/CFAVC/MAFF/2021/08	The Construction of Training Building-PADC & Equipment-TAK	81,239.81	94290.68	16-Aug-21	15-Nov-21	ADB	NCB	NCB	Completed
19	Lot2: CW4/CFAVC/MAFF/2021/09	The Construction of Training Building-PADC & Equipment-TBK	81,239.81	92954.64	16-Aug-21	15-Nov-21	ADB	NCB	NCB	Completed
20	Lot3: CW4/CFAVC/MAFF/2021/10	The Construction of Training Building-PADC & Equipment-KCM	81,239.81	95186.61	16-Aug-21	15-Nov-21	ADB	NCB	NCB	Completed
21	Lot1: CW3a/CFAVC/MAFF/2021/04	The Construction of Rice Seed Storage & Grain Storage-PDAFF-KPT	404,007.00	366,834.92	9-Sept-21	08-Dec-21	ADB	NCB	NCB	Completed
22	Lot2: CW3a/CFAVC/MAFF/2021/05	The Construction of Rice Seed Storage & Grain Storage-PDAFF-TAK	387,704.52	352,019.30	9-Sept-21	08-Dec-21	ADB	NCB	NCB	Completed
23	Lot3: CW3a/CFAVC/MAFF/2021/06	The Construction of Rice Seed Storage & Grain Storage-PDAFF-KCM	451,837.35	412,637.88	9-Sept-21	08-Dec-21	ADB	NCB	NCB	Completed
24	Lot4: CW3a/CFAVC/MAFF/2021/07	The Construction of Rice Seed Storage & Grain Storage-PDAFF-TBK	499,667.70	458,440.83	9-Sept-21	08-Dec-21	ADB	NCB	NCB	Completed
25	CW17b-CFAVC-MRD-TK3-2020	Lot 1, Improve 1 Road, 10.00 Km, (Takeo)	1,420,261.51	1,243,719.86	18-Jan-22	22-07-2023	ADB	NCB	NCB	On-going contract
26	CW17b-CFAVC-MRD-TK4-2020	Lot 2, Improve 1 Road, 4.67.00 Km, (Takeo)	907,354.22	879,298.64	18-Jan-22	22-07-2023	ADB	NCB	NCB	On-going contract
27	CW17c-CFAVC-MRD-TBK5-2020	Lot 1, Improve 1 Road, 9.774km (Tboung Khmum)	1,512,021.45	1,239,711.20	17-May-22	17-11-2023	ADB	NCB	NCB	On-going contract
28	CW17c-CFAVC-MRD-TBK6-2020	Lot 2, Improve 1 Road, 12.00km (Tboung Khmum)	1,685,110.88	1,444,588.37	17-May-22	17-11-2023	ADB	NCB	NCB	On-going contract
29	CW17d-CFAVC-MRD-KC7-2020	Lot 1, Improve 1 Road, 9.882km (Kampong Cham)	1,280,831.31	1,103,011.81	09-May-22	17-04-2024	ADB	NCB	NCB	On-going contract
30	CW17d-CFAVC-MRD-KC8-2020	Lot 2, Improve 1 Road, 4.721km (Kampong Cham)	736,328.11	611,183.48	09-May-22	17-04-2024	ADB	NCB	NCB	On-going contract
31	CW17a-CFAVC-MRD-KP1-2020	Lot 1, Improve 1 Road, 11,948.05m (Kampot)	1,488,481.62	1,266,929.22	29-Jun-22	26-03-2024	ADB	NCB	NCB	On-going contract
32	CW17a-CFAVC-MRD-KP2-2020	Lot 2, Improve 1 Road, 8,104.00m (Kampot)	1,046,898.43	877,375.76	29-Jun-22	26-03-2024	ADB	NCB	NCB	On-going contract
33	CW17b-CFAVC-MRD-TK-1A-Batch 2	Lot 1, Improvement of 13.976 km (Takeo)	2,153,628.3	1,836,447.70	03-Feb-23	22-01-2025	ADB	NCB	NCB	On-going contract
34	CW17b-CFAVC-MRD-TK-2A-Batch 2	Lot 2, Improvement of 12.761 km (Takeo)	1,940,547.87	1,880,287.46	03-Feb-23	22-01-2025	ADB	NCB	NCB	On-going contract
35	CW17a-CFAVC-MRD-KP-1A-Batch 2	Lot 1, Improvement of 12.963 km (Kampot)	2,293,416.51	1,999,673.93	16-Jun-23	10-04-2025	ADB	NCB	NCB	On-going contract

36	CW17a-CFAVC-MRD-KP-2A-Batch 2	Lot 2, Improvement of 9.098 km (Kampot)	1,454,917.97	1,273,595.30	16-Jun-23	10-04-2025	ADB	NCB	NCB	On-going contract
37	CW17d-CFAVC-MRD-KC-1A-Batch 2	Lot 1, Improvement of 9.425 km (Kampong Cham)	1,496,416.3	1,362,724.53	16-Jun-23	30-05-2025	ADB	NCB	NCB	On-going contract
38	CW17d-CFAVC-MRD-KC-2A-Batch 2	Lot 2, Improvement of 12.460 km (Kampong Cham)	2,284,981.44	1,985,570.95	16-Jun-23	30-05-2025	ADB	NCB	NCB	On-going contract
39	CW17c-CFAVC-MRD-TBK-1A-Batch 2	Lot 1, Improvement of 16,370 (Tboung Khmum)	2306669.43	2,237,647.08	22-Sep-23		ADB	NCB	NCB	Pending Social Safeguard
40	CW17c-CFAVC-MRD-TBK-2A-Batch 2	Lot 2, Improvement of 12.891 km (Tboung Khmum)	2399346.74	2,106,016.03	22-Sep-23		ADB	NCB	NCB	
Goods										
41	G6/GD-001/MAFF/ 2019	The Supply of 47 Motorcycles for CFAVC	96,242.00	78,114.00	23-Jan-19	12-Feb-19	ADB	Shopping with Ads	Shopping with Ads	Completed
42	G5/GD-002/CFAVC/ MAFF/2019	The Supply of 15 Pick-up Trucks for CFAVC	995,532.00	419,250.00	27-Feb-19	22-May-19	ADB	NCB	NCB	Completed
43	G-12/GD003/ CFAVC/MAFF/2019	The Supply Office Appliance	11,600.00	11,240.00	15-Nov-19	29-Nov-19	ADB	Shopping with Ads	Shopping with Ads	Completed
44	G11/GD-004/ CFAVC/MAFF/2019	The Supply of Office Furniture	61,970.00	61,731.00	18-Dec-19	17-Jan-20	ADB	Shopping with Ads	Shopping with Ads	Completed
45	G10/GD-005/ CFAVC/MAFF/2019	The Supply Office Equipment	123,400.00	123,447.00	25-Dec-19	07-Feb-20	ADB	NCB	NCB	Completed
46	G13/GD-001/ CFAVC/MAFF/2020	The Supply of 05 Units Pick-up Truck for PMU/ MAFF	150,003.00	137,500.00	07-Feb-20	01-Jun-20	ADB	NCB	NCB	Completed
47	001/GD/2020/ CFAVC/MAFF	The Supply of Office Stationery for PMU	6,000.00	4,950.60	04-Sept-20	11-Sept-20	ADB	Shopping with Ads	Shopping with Ads	Completed
48	002/GD/2020/ CFAVC/MAFF	The Supply and Installation Wheel Tyre for 5 Pick-up Mazda	4,000.00	3,560.00	11-Sept-20	18-Sept-20	ADB	Shopping with Ads	Shopping with Ads	Completed
49	G14/GD-001/CFAVC	The supply & Delivery of 02 units of Pickup Trucks	80,000.00	55,200.00	21-Feb-22	30-Mar-22	ADB	Shopping with Ads	Shopping with Ads	Completed
50	G15/GD-002/CFAVC	The supply & Delivery of 16 units of Motorcycles	35,200.00	27,163.00	17-Feb-22	16-Mar-22	ADB	Shopping with Ads	Shopping with Ads	Completed
Consultant Services										
51	SER-001/2019	Project Implementation Consultant (PIC) - Package CS1 Consultant Service	4,379,920.00		16-Sept-19	30-Sept-24		QCBS	QCBS	
52	SER-002/2019	Capacity Building and Climate Smart Agriculture consulting firm - Package CS2 Consultant Service	3,478,429.00		23-Sept-19	31-Jul-24		QCBS	QCBS	
53	SER-003/2019	Feasibility Studies and Detailed Engineering Design consulting firm – Package CS5 Consultant Service	2,622,704.00		01-Nov-19	30-Sept-24		QCBS	QCBS	
54	SER-004/2021	Information and Communication Technology (ICT) Platform for Climate Risk Management in Agribusiness Value Chains in Kampong Cham Province	1,737,401.00		06-Jan-23	08-June-25		QCBS	QCBS	

4. IMPLEMENTATION PROGRESS ACHIEVED BY OUTPUTS

4.1 Overall Project Progress

The overall project is currently rated as on-track and continues to make good progress with a total of **40 civil work contracts** , **4 consulting service contracts** and **10 good contracts** were awarded.

As of this quarter, the project has consumed (time elapsed) **65%** (62 out of 95 months), overall disbursement is **28.7%**, and expenditures rate is **27.3%** of the total fund (141.04M\$), and the overall project progress is **56.33%**.

For the progress of each outputs and activities show as following.

4.1.1 Output 1: Critical Agribusiness Value Chain Infrastructure Improved and Made Climate Resilient

The output addresses infrastructure gaps to enhance competitiveness of the value chains of rice, maize, cassava and mango in target provinces. Below is the progress by each activities and sub-activities:

Activity 1.1. Rehabilitating water management infrastructure:

Sub-activities	Progress	Remarks
27 Irrigation and water management systems rehabilitated and made climate-friendly	<ul style="list-style-type: none"> ○ 25 schemes DED completed (14,172 Ha) ○ 2 schemes DED ongoing (935Ha) 7% ○ Completed construction (100%) 9=3,250Ha Total 27 schemes	
800 On-farm rainwater harvesting ponds commissioned	<ul style="list-style-type: none"> ○ Construction has not yet started ○ 278 completed DED and are in the stage of the procurement process ○ 521 not yet started Total: 800	
15 drip irrigation demonstration units on mango farmers' land	<ul style="list-style-type: none"> ○ 15 farms have been identified. ○ Document data collection process has been done since 2021 that included identifying and interviewing with many farmers with GDA/PMU/CS2 team from 4 target provinces, then identifying and shorting listed 5 candidates for planning to install a drip irrigation system with solar pump in their mango orchards, and then cooperated with DTL for continue bidding document process. ○ DTLCS1, DTLCS2, PMU team, and GDA/DoEA to review the progress of 5 drip irrigation systems, based on AWPB-2022 to identify some documents that are not completed based on technical specifications. ○ We have done the BoQ estimation for each drip irrigation and solar pump. ○ The last DoEA representative did the proposal for demonstration site arrangement on drip irrigation system installation with the solar pump to PMU and PMU's procurement guide to access with ADB forward implementation in the field. 	<ul style="list-style-type: none"> ○ It is in the stage of the procurement process ○ Prepared BOQ of 15 Drip Irrigation Systems – version 2

Activity 1.2 Upgrading agricultural cooperative value chain infrastructure

Sub-activities	Progress	Remarks
80 Agricultural cooperatives have integrated adaptation	<ul style="list-style-type: none"> ○ 80 AC Warehouses are completed build with Solar PV installed (completed construction 	<ul style="list-style-type: none"> ○ PPIUs followed-up and provided

measures in postharvest infrastructural investments	<p>100%)</p> <ul style="list-style-type: none"> ○ 3 Provincial Agriculture Development Center - PADC built with Solar PV installed (3/4 completed built and installed- 75%) 3 Mechanization Engineering Workshop- MEW built with Solar PV installed (3/4 completed built and installed- 75%) 	<p>supports for operating the facility.</p> <ul style="list-style-type: none"> ○ Proposed one PADC will continue to build in Kampot. ○ One MEW will continue to build in Takeo while waiting the approval of procurement plan.
<p>Photo-Voltaic study and Installation (for energy efficiency measures and solar power)</p> <p>At least 10 agribusinesses become more resource-efficient in energy savings (20%)</p>	<ul style="list-style-type: none"> ○ Set up Solar PV rooftop user guide for ACs, PADC and MEW to operate Solar PV system accurately, ○ Discussed with 35 ACs and identified 10 potential Agribusinesses interested to invest solar technologies, ○ Design 4 Solar PV technology modules and packages to promote the Solar PV technology to ACs and Agribusinesses, ○ Provided technical operation on solar power rooftop application to 36 ACs, ○ Designed operational signboard, printed and placed all 80 AC Warehouse, ○ 86 Solar PV installed at the AC Warehouse, PADC and MEW are able to save 100% energy cost for their daily operation. 	<p>Final design meeting schedule and accepted by PPIUs for the actions</p>
<p>Equipment and materials for 15 Drip Irrigation Systems (includes tube wells/water source connection, solar pumps, and other agricultural inputs e.g. training)</p>	<ul style="list-style-type: none"> ○ Designed Draft-Version Solar Water Pump specification and submitted for Procurement process. 	<p>Technology specification, Installation, testing, operation and maintenance are included.</p>
<p>-Supply circulated cylinder dryers for the 100-ton warehouses (2 Units)</p> <p>-Supply electrical voltage transformer set for 2 Units circulated cylinder dryers</p>	<ul style="list-style-type: none"> ○ Ongoing progress ○ Actions planned to carry forward in 2024. 	<p>Further discussion need to specify and finalize will take in 2024.</p>

Activity 1.3 Improving Connectivity to Cooperatives and Market through climate resilient farm road networks

Sub-activities	Progress	Remarks
<p>At least 250 Km of Farm roads were upgraded to climate-resilient standards to improve Connectivity to Cooperatives and Markets</p>	<ul style="list-style-type: none"> ○ Batch I- (71 Km) with a total of 8 contracts ○ Construction is ongoing: <ul style="list-style-type: none"> ▪ 2 contracts for Takeo are 99.41% completed • 2 contracts for Kampot 97.10% completed • 2 contracts for Kampong Cham 97.20% completed • 2 contracts Tboung Khmum 95.20% completed ○ Batch II- (100.12Km) with a total of 8 contracts, only 6 contracts signed (with 70.86 Km). <ul style="list-style-type: none"> ▪ 2 contracts for Kampot have been signed on 16 June 2023, the construction progress is 23.61%. ▪ 2 contracts for Takeo have been signed on 3 February 2023, the construction progress is 15.33%. ▪ 2 contracts for Kampong Cham have been signed on 16 June 2023, the construction 	<p>Due to budget limit, this activity will procure only 250km</p>

	<p>progress is 0.07%.</p> <ul style="list-style-type: none"> ▪ 2 contracts for Tbong Khmum have been signed on 22 September 23, the construction is not yet started. ○ Batch III- (100.72Km) to be procured 81.36 km DED completed (95%) <p>Total planned 271.95 Km</p>	
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1.4 Strengthening Infrastructure for agricultural quality and safety testing at the National Agricultural Laboratory (NAL)

Sub-activities	Progress	Remarks
Crop product quality and safety testing infrastructure in the National Agriculture Laboratory upgraded	<ul style="list-style-type: none"> ○ Lab renovation: Lab renovation: Ready for daily laboratory work. ○ Net-house: construction ongoing 100% ○ First batch of chemical reagents for biofertilizer laboratory is prepared for the procurement process ○ Consumable materials and reagents for AWPB2024 is prepared 	<ul style="list-style-type: none"> ○ Lab renovation: construction completed ○ Net-house: construction is completed 100% ○ First batch of equipment is on ship now, and they are ready to install after the completed biofertilizer lab renovation.
Establishing genetically modified organisms (GMO) and Phytotoxin	<ul style="list-style-type: none"> ○ Revised the list of equipment for GMO and phytotoxin. ○ Technical training on GMO & Phytotoxin - 2nd Training was conducted on 20-22 Dec 23 	The activity will continue on 2024
supporting ISO 17025 accreditation	<ul style="list-style-type: none"> ○ Communication with Department of Accreditation (DA), Ministry of Industry, Science, Technology and Innovation (MISTI) ○ Meeting with NAL staff for getting understand their laboratory situation and assess to their understanding of ISO 17025 for support the AWPB2023 activities. ○ Joining workshop with specialist from Department of Accreditation (DA) which prepared by Royal University of Agriculture (RUA) to get more input for ISO 17025 application. ○ Finalizing the ISO 17025 guideline (6th revision, English version) ○ Preparing PPT file in Khmer language for consultative workshop on ISO 17025 guideline ○ Conducting TWG meeting on guideline for ISO 17025 application, for 2 courses total participant of 62 persons and 16 persons as females. ○ Conducted of consultative workshop on ISO 17025 Accreditation guideline, for 1 course total participant of 29 persons and 9 persons as females. 	Planned continue implementing of manual on 2024 to completed in first quarter of 2024.
Plant tissue culture (developing tissue culture	<ul style="list-style-type: none"> ○ On-going to developed manual of Cassava: 	

<p>protocols for bananas and cassava)</p>	<p>completed of revising 7th draft and conducted the workshop for 2 courses total participant of 65 persons and 19 persons as females.</p> <ul style="list-style-type: none"> ○ Conducted Consultative workshop on development of Cassava plant tissue culture manual, 2 courses total participant of 41 persons and 16 persons as females. ○ Develop training flip chart on “Cassava plant material collection for multiplication via tissue culture” ○ Conducted of Field Sampling for Plant Tissue Culture (Cassava, Banana and ornamental plant) to Kampong Cham, Tboung Khmum, Takeo and Kampot Province, 2 courses total participant of 22 persons and 16 persons as females. ○ Conducted of Oversea Training on Plant Tissue Culture, for 1 course total participant of 4 person and 4 person as females. 	
<p>Assisting the laboratory commercialization process</p>	<ul style="list-style-type: none"> ○ Field visits to promote the potential of the tissue culture-derived plantlets in increasing cassava productivity, and to promote the business opportunity of the products to the ACs and farmers in Takeo and Kampot provinces for support the AWPB2023 activities and for technical need assessment (TNA) from participant. ○ Discussion with NAL’s coordinator and tissue culture development specialist to determine the price of rooting- plantlets of cassava and banana for prepare the report to TL. ○ Reviewing Guidelines and SOPs for GMO field trial and safety assessment to support the team. ○ Completed the Training on laboratory commercialization and service marketing for PDAFF and ACs from Kampong Cham, Tboung Khmum, Takeo and Kampot provinces at Kampong Cham and Kampot, 2 courses total participant of 62 persons and 12 persons as females. ○ Meeting and Sharing knowledge on plant tissue culture and laboratory commercialization in Kampong Cham and Tboung Khmum provinces to combine the input for develop the Cassava manual. ○ Attending the ADB mid-term review meeting (Kick-off and Wrap-up meetings) at MAFF ○ Joining the Technical working group on the development of SOP for organic fertilizer quality testing to support the team. ○ Peer-reviewing and editing manual on Cassava Plant Tissue Culture to support the team. ○ Meeting and Sharing knowledge on plant tissue culture and laboratory commercialization in Takeo and Kampot provinces to support the AWPB2023 	<p>All activities are ready for implementation by experts.</p>

	<p>activities: Completed</p> <ul style="list-style-type: none"> ○ Assessment of analysis/testing capacities of other laboratories in Cambodia: Completed ○ Preparation lessons for training on lab commercialization and service marketing: completed ○ Preparation of concept note: Completed ○ Preparation of Opening speech for speech for training on Laboratory commercialization and service marketing for PDAFF: Completed ○ Seed Policy for Cambodian (adopted in December 2016): Completed ○ Law on biosafety in Cambodia enacted by parliament on 28 December 2007: Completed ○ The enacted Law on Seed Management and Plant Breeder's Rights adopted by the parliament on April 08, 2008: ongoing ○ The legal framework on modern biotechnology developed by Codex Alimentarius Commission- FAO/WHO intergovernmental body: ongoing ○ The Biosafety regulations for GMO crop in Asia-Pacific: ongoing ○ Retrieving and Reviewing Guideline and SOPs for GMO field trial and safety assessment: On-going 	
Supply analytical testing equipment	All Lab equipment will be considered to procure limited quantities of supplies.	Bid Evaluation Report (BER) for previous NCB equipment, ongoing
Bio-fertilizer / Organic fertilizer (Pesticide residue rapid test kits for field testing and desktop testing equipment for plant toxins will also be supplied)	<ul style="list-style-type: none"> ○ Conducted of Technical training on Bio-fertilizer/Bio-Pesticide Quality Testing, 3 courses total participant of 93 persons and 24 persons as females. ○ Conducted of Technical training on Organic Fertilizer Quality Testing, 4 course total participant of 116 persons and 33 persons as females. ○ Developed draft manual on SOP for quality testing of biofertilizer: completed (7th revision) and conducted of Consultative workshop on SOP for biofertilizer fertilizer quality testing manual, 1 course total participant of 34 persons and 11 persons as females. ○ Developed draft manual on SOP for quality testing of organic fertilizer: completed (7th revision) : Pending 	<p>The technical working group(TWGs) meeting was conducted to review and comment on the 5th draft of SOP for quality testing of organic fertilizer at the end of August</p> <p>TWGs meeting will conduct to review and comment on the 6th draft of SOP for quality testing of biofertilizer at the mid of September</p> <p>The 6th draft of ISO 17025 accreditation will be well prepared for the consultation workshop in the next activity</p>

Activity 1.5 Promoting renewable energy (bio-digesters and use of solar energy in target cooperative areas) for value chain improvement

Sub-activities	Progress	Remarks
6,000 Bio-digesters made operational benefitting 40,000 persons (50% are women)	<ul style="list-style-type: none"> ○ Construction: not yet started (BER Biodigester 2nd round-Rebid) ○ Construction of biodigester, the ADB-MTR has decided to reduce the target for biodigesters from 12,000 to 6,000 while maintaining the target of 6,000 compost huts 	According to the ADB-MTR has decided to reduce the target for biodigesters from 12,000 to 6,000 while maintaining the target

	<p>which are constructed along with biodigesters, the Mission agreed with the PMU's proposal to change the procurement method from NCB to shopping</p> <ul style="list-style-type: none"> ○ 35,895 farmers (female =16,915 (47%)) as compare with the DMF=89.7%) have been trained and received information about Biodigester in Training & Capacity Building, Promotion & Marketing, Monitoring & Evaluation and Innovation & Value Chain Improvement activities. ○ The project identified 4,156 farmers of which 2,087 farmers are female for the potential to build the Biodigester. ○ The key farmer who has intended to buy: ongoing 18% (1078 HHs) ○ The key farmer who has an interest: ongoing 9.96% (598 HHs). ○ Research, development, pilot, and use of the biodigester: ○ 69 biodigesters construction completed and functioning with (332 beneficiaries (172 F)). 	<p>of 6,000 compost huts which are constructed along with biodigesters, the Mission agreed with the PMU's proposal to change the procurement method from NCB to shopping, and given the higher contribution by the project for biodigesters and compost huts, the Mission proposed to reallocate some funds from other activities to meet the target.</p>
<p>6,000 Compost-huts made operational benefiting 40,000 persons (50% are women)</p>	<ul style="list-style-type: none"> ○ Construction: not yet started (BER Compost hut 2nd round-Rebid) ○ Construction of the compost hut, the target of 6,000 compost huts which are constructed along with biodigesters, the MTR-ADB's mission agreed with the PMU's proposal to change the procurement method from NCB to shopping. ○ 35,895 farmers (female =16,915 (47%)) as compare with the DMF=89.7%) have been trained and received information about Biodigester in Training & Capacity Building, Promotion & Marketing, Monitoring & Evaluation and Innovation & Value Chain Improvement activities. ○ The project identified 4,156 farmers of which 2,087 farmers are female for the potential to build the Compost hut. ○ The key farmer who has intended to buy: ongoing 17% (1078 HHs) ○ The key farmer who has an interest: ongoing 9.96% (598 HHs). ○ Research, development, pilot and use of the compost hut: ○ 69 compost-hut construction completed with (332 beneficiaries (172F)) ○ Support input for integrated farming demonstrations: ○ 61 demonstrations and training were completed with 244 participants (122F) 	<p>According to the ADB-MTR has decided to reduce the target for biodigesters from 12,000 to 6,000 while maintaining the target of 6,000 compost huts which are constructed along with biodigesters, the Mission agreed with the PMU's proposal to change the procurement method from NCB to shopping, and given the higher contribution by the project for biodigesters and compost huts, the Mission proposed to reallocate some funds from other activities to meet the target.</p>
<p>Establish a national framework on biodigester quality (standard development) and harmonize biogas initiatives in a private sector-friendly manner.</p>	<ul style="list-style-type: none"> ○ Policy on Biodigester Development in Cambodia 2021-2030, issued on 26 October 2021 by MAFF. ○ Draft Cambodian Domestic Biodigester Standard for Farmer's Friend Biodigester. 	

4.1.2 Output 2: Climate Smart Agriculture and Agribusiness Promoted.

Below is the progress by each activities and sub-activities:

Activity 2.1 Deploying climate-resilient varieties

Sub-activities	Progress	Remarks
<p>3 Additional climate-resilient varieties of rice and maize released</p>	<ul style="list-style-type: none"> ▪ One variety named Phka Rumduol was started to release since 1999. The project was selected this variety (medium maturity) to conduct the rice seed demonstration production in target province. <ul style="list-style-type: none"> - Tolerance biotic stress: Submergence 13days - Resistance biotic stress: Brown Plant Hopper susceptible ○ Rice seed Variety named CAR-16 have been released since 2016 before project started and the CARDI facilitated to conduct demonstration to disseminate in targeted provinces. <ul style="list-style-type: none"> - Tolerance biotic stress: Heat tolerance - Resistant to blast disease. - Potential characteristics: Early rice variety ○ Rice seed varieties, named Phka Mealdey (PMD) was release in 2018 during the project start the early stage. <ul style="list-style-type: none"> - Tolerance biotic stress: Drought submergence and lodging tolerance - Potential characteristics: Medium maturity ○ The new variety of Champeisar70 are released in 2023 for farmers' demonstration in CFAVC Project (Foundation seed from CARDI) <ul style="list-style-type: none"> - Potential characteristics: It is a light and fragrant rice variety that can have a high market price and early rice variety. - Resistance biotic stress: Brown Plant Hopper (BPH) and Blast resistance <p>Currently, CARDI is developing rice varieties for high yield, good grain quality and resilience to climate change. The series of activities including, advancing generation in CARDI and multi-location trials in collaboration with PDAFF staff.</p> <ul style="list-style-type: none"> ○ Maize variety named CM1 was selected from Gemplasm collection (Sa Ang district Kandal Province) is a one glutinous maize variety have been released in 2015 before project started and then, CARDI conducted demonstration in targeted provinces. ○ Maize variety named CHM01 was released in 2020 (seed from Banteaydek station, GDA). The CHM01 seed has potential characteristics such as: <ul style="list-style-type: none"> - Highly resistant to Downy Mildew - Highly maturity (100 days to 105days harvestable) ○ CARDI provided 104 training of farmers group on best management practice (BMP) on rice , cassava, and maize and Rice seed production Technique and follow up(RSPT/FU); 	

	<ul style="list-style-type: none"> ○ Total training=2600 /1260(f)=48% ○ 2022 training=1300/609f ○ 2023 progressed until December(1300/651f) <ul style="list-style-type: none"> • 40 BMP training =1000/506f • 12 RSPT training=300/145f 	
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Activity 2.2 Strengthening Capacity in climate-friendly production practices and technologies

Sub-activities	Progress	Remarks
40,000 Farmers trained in Climate-smart Agriculture and agribusiness development skills	<ul style="list-style-type: none"> ▪ 17,069 farmers of which 8,027 were female (47%) trained on CSA, SRP, CamGAP, ACs business development plan (for ACs boards) landscape restoration (farm mechanization), dissemination workshop, best management practice and rice seed production techniques and follow up. <p>The accumulate progress of Farmers trained in Climate-smart Agriculture and agribusiness development skills are:</p> <ul style="list-style-type: none"> • The training of farmers on Climate Smart Agriculture (CSA) was trained 3,825 persons of which 2,093 are females (55%). • The training of farmer on Sustainable Rice Production (SRP) was trained 5,902 of which 3,496 are females (59%). • The training of farmer on ACs boards on ACs business development was trained 2,582 of which 715 are females (28%). • The training of farmers on CamGAP was trained 823 farmers of which 336 are females (41%). • Training of farmers on landscape restoration (farm mechanization) was trained 2,249 farmers of which 644 are females (29%). • The workshop on contract farming and dissemination on procedure for seed registration and certification was trained 388 persons of which 86 are females (22%). • The training of farmers of best management practice (BMP) was trained 1,000 farmers of which 512 are females (51%) • The training of farmers on rice seed production techniques and follow up was trained 300 farmers of which 145 are females (46%) 	The training of farmers on CSA, SRP, CamGAP, ACs business development plan (for ACs boards) landscape restoration (farm mechanization) have continued actively conducted by PPIUs in 4 target provinces.
Support laser land leveling up to 4,000 ha (approximately 1,000 ha per province)	<ul style="list-style-type: none"> ○ Identified 05 new irrigation schemes for the possibility of laser land leveling in project area 2 schemes in Takeo, 1 scheme in Kampot, one 1schemes in Tboung Khmom, and 01 scheme in Kampong Cham province Package 1, in previous time identification of 418.58 hectares of landholding assessed and mapping. Tender documents are being prepared by CS1 and in consultation with CS2 and the procurement unit of PMU. ○ Summary progress of paddy selection for land leveling by Jan-Dec 2022. ○ Takeo: 125.89Ha with 935HHs (397F) ○ Kampot: 67.99Ha with 467HHs (260F) ○ KCham: 166.40Ha with 730HHs (258F) 	Ongoing progress of field interview, identification and procurements preparation in 4 target provinces.

<p>Conduct “learning by doing” training by demonstrating and training in farmer fields in specific locations with three sites in each province</p>	<ul style="list-style-type: none"> ○ TBK: 58.30Ha with 646HHs (302F) ○ Total: 418.58 Ha with 2,778HHs (1,227F) <p>1) Rice seed demonstration production (2020-2023)</p> <ul style="list-style-type: none"> • Name of seed: PRD, PMD and CAR16 and Champeisar70(Foundation seed from CARDI) • Seed distribution to key farmers (Foundation seed from CARDI) = 5,060kg: • Surface: 95.54ha • Farmers demo:311p/145f • Average yield 3.98T/ha • Number seed produced: 262.497kg • Number seed multiplication to communities: 94.682 kg (for all target provinces) <ul style="list-style-type: none"> ▪ 2023 seed distribution until Sept =1,790kg (PRD=1,420kg, PMD=120kg, CAR16=80kg and Champeisar70=170kg) <ul style="list-style-type: none"> ▪ Surface=35.46ha ▪ Key farmer demos=93/48f ▪ Sown=93 ▪ Transplanting =93 ▪ Harvested=86demos ▪ Seed multiplication to communities=2810kg (CAR16= 450kg and Campeisar70=2360kg) <p>2) Cassava seed demonstration production (2021-2023)</p> <ul style="list-style-type: none"> • Name of seed: 81, Rayong9, Hauybong60, KU50, (from Chamkaleu station) • Farmers demo:52/27f • Surface: 52ha (2020-2023) • Average yield 31.5T/ha (2021-2022) • Number cassava seed multiplication to communities: 10,000 bundles (at least 40ha) • Cassava seed distribution to key farmers=15,600 bundles (81=11,250bundles and Rayon9=3000 bundles, KU50=225 bundles and Huybon60=1,125 bundles): <ul style="list-style-type: none"> - 2020-2022=12,000 bundles - 2023 progress until Sept distribution cassava seed =3600 bundles <ul style="list-style-type: none"> ▪ Key farmer demos=12/5f ▪ Surface=12ha <p>3) Maize seed demonstration production (2022-2023)</p> <ul style="list-style-type: none"> • Name of seed: CHM01 and CM1 (CHM01 from Banteaydek station/GDA and CM1 seed from CARDI) • Farmers demo:55/26f • Surface: 27.5ha • Average yield 5.12T/ha • Many people interesting and need seed(CHM01) distribution to communities 	<p>Notes from the filed demonstration:</p> <ul style="list-style-type: none"> - 81 varieties, have the highest resistance to mosaic disease and high yields, farmers are highly interested. - Rayong-9, varieties are resistant to mosaic disease, moderate and high yielding, - Huay Bong-60, varieties that resist low mosaic disease and high yield. - KU 50, it's a high-yielding cassava variety. It is well adapted to a wide range of growing conditions, has a low impact on soil quality, and provides a high starch content. - Corn crop Maize is more suitable for the dry season than the rainy season, both in terms of growth and yield, short life span, and fruit size, similar to other varieties, farmers are interested in during the dry season. Challenges: Corn kernels are larger than other varieties and less resistant to some herbicides.
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	<ul style="list-style-type: none"> - 2023 progressed: <ul style="list-style-type: none"> • 10key farmers for maize seed demonstration were selected and planting in Kampot province • Surface=5ha ○ 150kg of maize (CHM01 from GDA, Banteaydek station) distribution to key farmers 	
27 FWUCS of FWUGS made full operational	<ul style="list-style-type: none"> ○ 17 FWUCs/FWUGs completed 100%; ○ 10 FWUCS not yet started (no budget) <p>Total 27 schemes (500FWUCs)</p>	There is a short budget for 10 new FWUCs/FWUGs either establishment or capacity building
500 Farmer Water User Communities (FWUCs) and Farmer Water User Groups (FWUGs) representatives developed the capacity to operate and maintain their irrigation schemes	<ul style="list-style-type: none"> ○ 369 FWUCs representatives of out 500 FWUCs have been trained 150 courses provided to 5,910 FWUCs/FWUGs representatives and local authorities of whom 1,608 were women; 	

Activity 2.3 Promoting farm mechanization and extension.

Sub-activities	Progress	Remarks
4 Agricultural development centers were made fully operational to provide agribusiness services	<ul style="list-style-type: none"> ○ 3 PADCs building construction completed. ○ Waiting the approval of procurement plan to continue the construction of 1 PADC in KPT. 	
4 Engineering workshops were made fully operational to provide agribusiness services	<ul style="list-style-type: none"> ○ 3 MEWs building construction completed. ○ Submitted final versions of BOQ of Material for Mechanical Workshop to the Procurement Unit to continue the construction of 1 MEW in Takeo. ○ Prepared BOQ of Five units of Maize Shellers (2 tons) – version 2 ○ Prepared BOQ of Six Paddy Milling Equipment – version 1 	

4.1.3 Output 3: Enabling Environment for Climate Friendly Agribusiness Enhanced.

The project assists the Ministry of Agriculture, Forestry and Fisheries and the Ministry of Commerce in creating an appropriate enabling policy environment for agribusinesses.

Activity 3.1: Formulating climate-friendly agribusiness policies and standards

Sub-activities	Progress	Remarks
Policy on Climate Smart and Gender Responsive Agribusiness and PPP Framework formulated	<ul style="list-style-type: none"> ○ Development of Producer Group Establishments Guideline Linked with Private Sector to the Market: completed (4th draft revision) to achieve the agribusiness group of contract farming. 	
Good Agriculture Practice for Tropical Fruit Endorsed (CamGAP)	<ul style="list-style-type: none"> ○ Tropical Fruit CAMGAP Standards development for mango has been developed Under preparation the draft version of CamGAP for tropical fruit. CS2 will coordinate with involving relevant departments (IA-GDA) to prepare it accordingly. This activity is already 	Introduction meeting with AC 53 persons/18 females, to agriculture cooperative committees, and managing commercial farmers for the standard for the market.

	<p>integrated in the Annual Work-plan and Budget 2024.</p> <ul style="list-style-type: none"> ○ Awareness during the consultation meeting to AC committees on agri-business and CamGAP standard total participants: 165 persons/76 are female. ○ The field work has been visit at the mango farms and support technical for farm management base on market to 59 per/22 are female base on standard requirement. ○ Technical support to 20 farmers/ 09 are female for apply CamGAP standard. 	
Good Agriculture Practices for organic fertilizer endorsed	<ul style="list-style-type: none"> ○ Conducted of Technical training on Organic Fertilizer Quality Testing, 4 course total participant of 116 persons and 33 person as females. ○ Developed draft manual on SOP for quality testing of organic fertilizer: completed (7th revision) : Pending 	.National consultation workshop to review and comment of 6 th draft manual on biofertilizer standard development has been completed, then 7 th version will conduct soon.

Activity 3.2 Promoting green finance and risk sharing mechanisms

Sub-activities	Progress	Remarks
50 Staff from financial institutions trained in CSA and green finance	<ul style="list-style-type: none"> ○ Identified: 50 Bank/MFI are initially identified for the target of CSA and green financing. ○ TNA: was completed and oriented. ○ Training development plan: ongoing 80% ○ Development of training Materials: ongoing 70% ○ Delivery training: 5 training with ACLEDA and ARDB. ○ Development of green finance landscape report: completed drafted. ○ National Consultation on report: draft concept notes completed. ○ Engaged with green financing facility establishment (MOE/ARDB/NBC/Mekong Strategy Partners progressed) and waiting GCF reviewing and approval. ○ Consultation on the Green Financing with ARDB and ACLEDA. ○ 26 staff from the Associate Banks of Cambodia (ABA), Banks, Micro Financial Institutions, and ARDB of which 6 are females trained in CSA and green finance. 	<ul style="list-style-type: none"> ○ Conducted meeting with Wing Bank, Chamroeun MFI, Praseny Bank which was contract with MAFF to provide the matching fund to ACs under CASD Project. ACs can develop the agri-business plan to access the financing by 40% receive grant and 60% loan with 6%-6.5% per annually. ○ Discussed with ACLEDA bank to update on their proposal under CCFF and identify need for capacity building and readiness to access the green financing.
30 agribusinesses trained in green finance and CSA	<ul style="list-style-type: none"> ○ 30 Agribusinesses identified the potential agri-business initiative. ○ TNA: ongoing 50% ○ Development and reviewing of training Materials: ongoing 70% ○ Develop the climate change training material ○ Conducted 2 training on Climate Change, Green Financing, and Climate Smart Agriculture to 77 participants including 17 women for PPIUs, Bank, MFI, ARDB, and ACs in four provinces. ○ 6 Agribusinesses (most of them are males) such as 3 agribusiness from Sok 	<ul style="list-style-type: none"> ○ Discuss with the CASD project and MAFF team to gather the criteria to select the Modern ACs in Kampong Cham and Takeo province ○ 18 agribusiness of which 4 are females were interviewed to find the possibility to connect and link with ACs.

	<p>Keo and Golden Rice from TAK and Amru Rice from KPT, 3 agribusiness from Green Feed, cassava and red maize buyers and private producing are invited to present on the agribusiness and linked with potential ACs in the workshop and exchange experiences.</p> <ul style="list-style-type: none"> ○ 34 agribusiness of which 8 are female (25%) are interviewed and discussed on the current agricultural business. These privates' sectors will be screen to select the potentials private sectors for involved and initiate to link with ACs in target provinces. ○ The questionnaires to access the 30 potential ACs was drafted and oriented with Agri-business group. 	
<p>20,000 Households were provided with information on climate risk-sharing instruments</p>	<ul style="list-style-type: none"> ○ On-site meeting: 63 completed of meeting orientations on the agribusiness to ACs provided with information on climate risk-sharing instruments on crop insurance and green financing (Total Participant: 729 of which 326 are females). ○ Identified crop insurance companies and green loan: completed (Forte for crop insurance, ACLEDA/ARDB for green loan) ○ Develop extension materials: ongoing 60% ○ Organize workshops to share climate information to ACs members: ongoing 5% ○ Involved in signing agreement on data sharing with Forte on Crop Insurance. 	<ul style="list-style-type: none"> ○ Draft the training material on climate data sharing and access to green financing to provide TOT training to PPIU to eco-training to farmers. ○ Discuss with Forte crop insurance on the developing guideline. ○ On-site meeting: 6 training orientations on the agribusiness to 6 ACs at Kampong Cham and Takeo (Total participant:57 F=24)
<p>Creating an enabling environment for PPPs in agribusiness in the four value chains;</p>	<ul style="list-style-type: none"> ○ Crop-centric forums for rice, cassava, maize, mango, and other specific crops: 7 forums were conducted with a total of participants 291 (50F, equal 17%). ○ TOT Training on Producer Group Establishing Guideline to AC Committee: 1 courses of training with a total of participants 16 (6F, equal 38%) ○ Organizing District business forum between producer group and buyers (rice, maize, corn and mango): 1 forum conducted with a total of participants 47 (3F, equal 6%). ○ Awareness meeting on the concept and establishment of producer group: 6 meeting conducted with a total of participants 266 (162F, equal 61%). 6 meeting conducted with a total of participants 232 (130F, equal 56%). ○ Meeting to develop internal regulations and production calendar plan. ○ Business Forum conducted 3 courses on rice, cassava and maize. The total participants are 80 persons of which 11 are Females. ○ Conducted 4 courses of legal farming contract signing consultation forum on 	<ul style="list-style-type: none"> ○ Crop-centric forums for rice, cassava, maize, mango, and other specific crops: 2 forums were conducted with a total of participants 92 (22F, equal 24%).

	<p>rice, cassava and dry maize. The total participants are 81 persons/16F</p> <ul style="list-style-type: none"> ○ Dissemination meeting on the principles of contract farming: 6 meetings conducted with 300 (106F, equal 35%) ○ On review of PPP feasibility studies on specific crop commodities proposed by MAFF with the PMU team ○ Legal farming contract signing ceremony at provincial level was conducted 7 events, total 53 of which 26 are females. ○ AC Kaksikor Rung Roerung in Kampot contract farming with Amru Rice company on Rice amount 500 Mt/year for one-year period. ○ AC Ratanak Polroath Samaky in Kampot has a farming contract amount of 40Mt/y with local exported to Vietnam. ○ AC Arkpirak Ponhea Krek Dambae in Tboung Khmum signed the contract farming on fresh cassava with Heng Leap Company amount 1,888 Mt/year for one year period. ○ AC Kasekor Dambea in Tboung Khmum signed the contract farming on fresh cassava with Heng Leap Company amount 542 Mt/year for one year period. ○ Samaki Meanchey Agricultural in Tboung Khmum (cooperated with AC Samaki Khummean and AC Samaki OrLork) signed the contract farming on rice production with THAN CHEA Rice Miller 350 Mt/year for one year period. ○ Damrey Rameal AC in Takeo province with Amru Rice 850 Mt/year for one year period. ○ Ponleu Sareireang AC in Takeo province signed the contract farming on rice production with Sok Keo Rice miller amount 7.5 Mt/year for one year period. ○ Tuek Kraham Akphiwat Agricultural Cooperative in Kampot signed the contract farming on rice production with Amru Rice amount 100 Mt/year for one year period. ○ Rik Chamroeun AC in Kampot signed the contract farming on Rice Production with Sdoc Sdorm AC amount 60Mt/year for one year. 	
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Activity 3.3 Supporting Climate Risk Management through Information and Communication Technologies (ICT)

Sub-activities	Progress	Remarks
Supporting Climate Risk Management through Information and Communication Technologies (ICT)	<ul style="list-style-type: none"> ○ The ICT consultant just mobilized in Jan 2023 and the inception workshop will be conducted on the 6th of April 2023. ○ The inception Report has been prepared ○ An inception workshop has been done ○ Developing System Requirement and Architecture Report. 	

	○ Preparation for the Pilot Program for climate-smart Agriculture.	
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4.2 Safeguards (Social, Environmental and Gender)

The subsections below are the progress of the status of safeguards including social, environment, health and safety, and gender action plan.

4.2.1 Social Safeguards

The status of social safeguards for Irrigation systems and ponds are showed in the table below, which MOWRAM is the implementing agency.

Table 11: The status of social safeguards for Irrigation systems and ponds

MOWRAM			
No	Description of subprojects	No of Subproject	Status
	Kampot		
1	DDR for Trapeang Run	1	NOL from ADB
2	DDR for Takoeh	1	NOL from ADB
3	DDR Prawoek Pong Irrigation Subproject	1	verified by ITP
4	DDR Kandal Irrigation System	1	verified by ITP
5	DDR Trapeang Boeung Reservoir	1	verified by ITP
	Total	5	
	Takeo		
1	DDR for (Prey Kdouch & Kraing Empil)	2	NOL from ADB
2	DDR for Chrouk1 & Plov Touk Canal	1	in the process
3	DDR for Kwaeng Tayi Canal	1	in the process
4	DDR for Prey Rumdeng Canal	1	in the process
5	DDR for Pralay 95 Irrigation Subproject	1	in the process
6	DDR for Pralay 42 Irrigation Subproject	1	in the process
7	DDR for Ta Oum Reservoir Irrigation Subproject	1	in the process
8	DDR for Poutasuy Reservoir Irrigation Subproject	1	in the process
9	DDR for Sdoc Sab Reservoir Irrigation Subproject	1	in the process
	Total	10	
	Tbong Khmum		
1	DDR for (Toul Pring & Kbal Tuek)	2	NOL from ADB
2	DRP for Trapeanng Tros	1	NOL from ADB
3	DDR for Tbong Damrei Reservoir	1	verified by ITP
4	DDR for Kampong Raing Feeding Canal	1	verified by ITP
5	DDR for Choam Taheung Irrigation Subproject	1	in the process
6	DDR for Trapeang Ampil Irrigation Subproject	1	in the process
	Total	7	
	Kampong Cham		
1	DDR for (Pram Kumpheak & O'Kamprok)	2	NOL from ADB
2	DDR for Teuk Char West Irrigation System	1	in the process
3	DDR for Potatres Reservoir	1	in the process
4	DDR for Teuk Char East Irrigation System	1	in the process
	Total	5	
	Total Irrigations	27	

	Ponds		
	DDR Kampot 80 RWHPs in Batch I	80	NOL from ADB
	DDR Tbong Khmum 63 RWHPs in Batch I	63	Pending ITP
	DDR Kampong Cham 66 RWHPs in Batch I	66	Pending ITP
	DDR Takeo 69 RWHPs in Batch I	69	Pending ITP
	Total ponds	278	

The status of social safeguards for roads are showed in the table 9 below, which MRD is the implementing agency.

Table 12: The status of social safeguards for roads

MRD			
No	Description	No of Subproject	Status
	Batch 1		
1	Lot 1, Improve 1 Road, 10.00 Km, (Takeo)	1	NOL by ADB
2	Lot 2, Improve 1 Road, 4.67.00 Km, (Takeo)	1	NOL by ADB
3	Lot 1, Improve 1 Road, 9.774km (Tboung Khmum)	1	NOL by ADB
4	Lot 2, Improve 1 Road, 12.00km (Tboung Khmum)	1	NOL by ADB
5	Lot 1, Improve 1 Road, 9.882km (Kampong Cham)	1	NOL by ADB
6	Lot 2, Improve 1 Road, 4.721km (Kampong Cham)	1	NOL by ADB
7	Lot 1, Improve 1 Road, 11,948.05m (Kampot)	1	NOL by ADB
8	Lot 2, Improve 1 Road, 8,104.00m (Kampot)	1	NOL by ADB
	Total roads	8	
	Batch 2		
1	Lot 1, Improvement of 13.976 km (Takoe)	1	Provided NOL by ADB
2	Lot 2, Improvement of 12.761 km (Takoe)	1	Provided NOL by ADB
3	Lot 1, Improvement of 12.963 km (Kampot)	1	Provided NOL by ADB
4	Lot 2, Improvement of 9.098 km (Kampot)	1	Provided NOL by ADB
5	Lot 1, Improvement of 9.425 km (Kampong Cham)	1	Provided NOL by ADB
6	Lot 2, Improvement of 12.460 km (Kampong Cham)	1	Provided NOL by ADB
7	Lot 1, Improvement of 16,370 (Tboung Khmum)	1	in the process
8	Lot 2, Improvement of 12.891 km (Tboung Khmum)	1	in the process
	Total roads	8	
	Batch 3		
1	Improvement of 21.806 km (Tboung Khmum)	1	in the process
2	Improvement of 7.78 km (Kampong Cham)	1	in the process
3	Improvement of 20.08 km (Takeo)	1	in the process
4	Improvement of 12.39 km (Kampot)	1	in the process
5	Improvement of 18.43 km (Takeo)	1	in the process
	Total roads	5	
	Total Road Subprojects	21	

The status of social safeguards for warehouses, MEW & 3 PADC, and compost huts& bio-digesters show in the table below.

Table 13: The status of social safeguards for warehouses, MEW & 3 PADC, and compost huts & bio-digesters

MAFF			
No	Description	No of Subproject	Status
1	DDR for 20 AC Storage Units	20	NOL from ADB
2	DDR for 35 AC Storage Units	35	NOL from ADB
3	DDR for 25 (12 + 13) AC Storage Units	25	Third times clarification from ADB
	Total	80	
No	Description	No of Subproject	Status
1	DDR for 3 MEW & 3 PADC	6	NOL from ADB
2	DDR for 1 MEW & 1 PADC	2	Preparing
No	Description	No of Subproject	Status
1	DDR for 250 compost huts & 500 bio-digesters	750	Follow up with ADB

The status of Semi-Annual Report of Social Safeguards shows in table below:

Table 14: The status of Semi-Annual Report of Social Safeguards

No	Description	No of Subproject	Status
1	Jan- Dec 2020	The whole CFAVC	NOL from ADB
2	Jan- Dec 2021	The whole CFAVC	NOL from ADB
3	Jan to Jun 2022	The whole CFAVC	NOL from ADB
4	Jul to Dec 2022	The whole CFAVC	NOL from ADB
5	Jan to Dec 2023	The whole CFAVC	Preparing

- **Key challenges in achieving the target and the proposed action plan.**

- National Resettlement Specialist has resigned from the post since 10 March 2023 till November 2023; therefore, the project has slow progress to deal with social safeguards issues.
- Mr. Khim Phearum has been on board since 4th Dec 2023 to initially help MRD to completed VO document related to social safeguards for TK4 Rural Road Improvement Subproject in Takeo province and TBK5&6 Rural Road Improvement Subproject in Tboung Khmom province. Preparation of LAR checklist was made based on discussion with site engineers and the minutes from consultation meeting with community people, AC members and local authorities. The two completed VO documents have been submitted to ADB and waiting for NOL
- In addition, other 4 subprojects (KC7 and KC8 in Kampong Cham province KP1 and KP2 in Kampot province) also required additional civil work and prepare VO documentation. Based on discussion with site engineers and DTL, it is noted that the proposed additional civil work located within the agreed Column and covered by the DDR that already approved and disclosed by ADB and no impact then the completion of

VO documents for these 4 subprojects are not required to revise DDR or prepare LAR checklist. However, the national safeguards specialist helped MRD to prepare a fast VO checklist and it is confirmed that the proposed additional civil work without changing column and have no impact, no need to prepare supplementary DRP/DDR or EMP.

4.2.2 Environmental Safeguards

During the report period, there are total 21 rehabilitation and upgrade rural roads with a total length of 141.95 Km under the construction. One out of 21 road subprojects have completed civil work 100% and 7 out of 21 and 13 out of 21 road construction subprojects have completed about 90% and from 0.7 to 31 %, respectively.

The contractors, sub-contractors and PIU staff were oriented at the beginning of the subproject implementation on the environmental compliances, monitoring procedures and reporting requirements. According to the EMP report, the PIU, local authorities and contractor site managers or sub-contractors are responsible for the day-to-day management of the subproject implementation in order to ensure that the EMP/CEMP is implemented and prepare the monthly progress report to PMU/CS1, and coordinate with the stakeholders among which are the community and local authorities for supporting in the monitoring and reporting the implementation of EMP and GRM.

The trainings on environmental safeguards, EMP, GRM, occupational health and safety and waste management (solid and liquid waste) were conducted at the subproject sites and/or commune offices in November 2023.

Table 15: List of contractors, workers attended the ESO training

package name	Contractor	Subproject	Location	date (d/m/y)	total participants	Male	Female
CW17b-CFAVC-MRD-TK-2A-Batch 2- Lot2	C-NO Construction Co.Ltd.	TK-22 (5.406km)	Pasat village, Kampeng commune, Kiri Vong district, Takeo province	16-Nov-23	15	13	2

The environmental monitoring activities were conducted at specific construction sites and facilities constructed to inspect and report on environmental impacts and measurements undertaken during the construction and operation phases of the rural road improvement. The environmental monitoring was conducted on 14-16 November 2023 to all 4 target provinces and the results have been utilized to evaluate the extent and severity of actual environmental impacts against the predicted impacts and the effectiveness of the environmental protection measures.

The EMP compliance of these road improvement subprojects can be considered as “moderately satisfactory” because there are requirements for further improvements. There are 7 requirements considered to be in partial compliance and require follow up actions. These are (1) dust from construction work, (2) human waste/waste water, (3) solid waste collection and disposal, (4) excavated soils/spoiled soil disposals, (5) occupational and health safety for workers and community, (6) traffic controls and (7) polluted from fuels and black oil spills.

Environment, health and safety, during the monitoring undertaken, it was observed that not all workers wear the requisite PPEs when they are in the work sites. The appropriate site instructions were given to the Contractors to rectify this issue. As regards COVID-19, PPIUs and local authorities were fully informed of the MoH COVID-19 prevention measures. However, there are no concerns any more on COVID-19 due to the subprojects located in remote areas and no report on affected people during this period.

The environmental team/CS1/PIC needs to closely monitor the implementation of the Health and Safety Plans to ensure compliance to the approved EMP. There are no environment safeguards documents that have been prepared, reviewed and approved during this report period.

- The contractors who are implementing the subprojects should be recommended as the followings to further improve their performance:
- Some of the contractors have to prepare the construction site specific environmental management plan (CEMP) and submit to PMU/SC1-PIC for reviews and approvals before the construction work commence
- The contractors must implement the approved CEMPs and provided regularly monthly report to PMUs/CS1-PIC for reviews and feedbacks as appropriated
- The latrine/toilet, bathroom and other sanitary facilities should be provided available for workers at the camp sites and working areas. The toilets must be clean and separated for female and male;
- Domestic and solid waste should be properly collected, stored and disposed in approved disposal facilities. Waste segregation should be undertaken at all the camp sites;
- The segregation and management and proper disposal of construction and general waste should be strictly undertaken; and
- Workers should, whenever in the work sites, wear the required personal protective equipment (PPE).
- Encourage the contractors to install more GRM signboards at public areas especially commune/village offices, the construction sites and campsites
- Encourage Agricultural Cooperatives to install 3 trash bins for separated wastes such as bio-digestible, bottle/plastic and hazardous materials and to plant trees near or around AC warehouse for environmental and soil erosion protection.

Work plan for the next step to address each issue in this report:

- Provide orientation for contractors to better preparation of CEMPs to be submitted and approved before the civil work commence and enhancing monthly report must be delivered on time and regularly
- Continue to provide training on EHS for contractors, local authorities and communities living in or nearby the subprojects
- The CS1/PIC and PMU/PIUs continue to inspect the construction sites of all road improvement subprojects to ensure the approved EMP compliance
- PMU/IAs/PIC will strictly monitor and advise contractor to resolve all pending issues such as usage of PPEs, solid waste disposal, implementation of the mitigation measures proposed in EMP and timelines.
- PMU/PPIUs will direct the contractors to install trash bins and GRM signboards at all the construction sites including village and commune offices
- PMU/PPIUs will encourage ACs to plant domestic species of trees around the AC warehouses to improve the surrounding environment.

The details of Environment Monitoring for subprojects under IAs is in appendix 9.

4.2.3 Health and Safety

Environment, health and safety, during the monitoring undertaken, it was observed that not all workers wear the requisite PPEs when they are in the work sites. The appropriate site instructions were given to the Contractors to rectify this issue. As regards COVID-19, PPIUs and local authorities were fully informed of the MoH COVID-19 prevention measures.

The environmental team/CS1/PIC needs to closely monitor the implementation of the Health and Safety Plans to ensure compliance to the approved EMP.

4.2.4 Gender Action Plan (GAP) (if applicable)

- The project is category of Effective Gender Mainstreaming – EGM. The Gender Action Plan Monitoring Table has 14 Targets/indicators and 7 Activities;

- To promote gender equality and women’s empowerment through enhancing women’s capacity in CSA production and processing, management and business, agricultural machinery use and maintenance, accessing and using financing and crop insurance, and through strengthening linkages between women-led enterprises and the agribusiness industry.

Progress of GAP implementation updated by the Project Quarterly Reports of the year 2023 and added more information and data as of 31 Dec. 2023.

- **14 Target and Indicators are on track.**
- **7 Actions were on track.**

- The Gender Action Plan – GAP has been more improved on the information and data collection during the project implementation since beginning up to date.

- During the ADB MTR on 26 Sept. to 03 Oct. 2023, the mission team has advice the national social development and gender specialist to work closely with the M&E specialist the project progress report and the GAP matrix table implementation has to be coordinate with each other. The data have to be matched and consolidate each other.

- The GAP has been re-oriented to project team at the PMU, the PPIUs in MAFF, MOWRAM and MRD and the contractors whose implement the infrastructure projects for more specific and follow the ADM MTR MoU with MAFF.

- Base on the below orientation, meeting, coaching and discussion have been increasing a lot of achievement and more data in the Gender Action Plan – GAP in these 4 quarterly progress reports.

Ministry of Agriculture, Forestry and Fisheries						
Project Name: Climate-Friendly Agribusiness Value Chains Sector Project (CFAVC)						
ADB Loan 3661-CAM (COL)/8346-CAM (EF) and Grant No. 0579-CAM (EF)						
Contract No. SER 001: CS1: Project Implementations Consulting (PIC)						
Project N. 6309 CFAVC CS1						
The Gender Action Plan - GAP Reorientation to the PMU, PPIUs in MAFF, MOWRAM and MRD plus Field Trips to PPIUs:						
No.	Description of:	Date	Participants			Recording place/Attendance List
			Total	Female	% of female	
1	ADB MTR Mission to the project.	23 Sept-03 Oct. 2023	534	128	23.97	PMU, PPIUs Project sites of MAFF, MOWRAM & MRD
2	ADB Gender Team Meeting	03-04 Oct. 2023	4	2	50.00	At the ADB Office in Phnom Penh.
3	GAP Orient in CS1+CS5 Meeting	03 Oct. 2023	7	1	14.29	At PMU Office
4	GAP discussion in CS1 Meeting	09 Oct. 2023	12	3	25.00	At PMU Office
5	GAP discussed in CS1 Meeting	27 Oct. 2023	12	3	25.00	At PMU Office
6	Gender Annual Workshop.	04-05 Dec. 2023	72	42	58.33	Phnom Penh
7	GAP coaching and data collection	11-15 Dec. 2023	28	19	67.86	At the PPIUs and proeject sites.
8	GAP orient to new MRD contractors	11-15 Dec. 2023	98	38	38.78	At the PPIUs and proeject sites.
		Total:	233	108	46.35	The GAP results have much more data progress.

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National Social Development and Gender Specialist.

- Detailed update on the status of the GAP Implementation in Appendix 4.

4.3 Compliance with Loan/Grant Covenants

4.4.1 Policy Loan Covenants

- The Project complied with all Sector / Policy Covenants

4.4.2 Financial Covenants

- There have been no changes in circumstances that require a change in the risk assessment and action plans. The Covid -19 pandemic continues to hamper project implementation.
- The project has been complying with the financial Covenants Financial Management Action Plan as shown in Appendix 5.
- The CFAVC project finances over the year 2022 were audited and the results were made available at the end of June 2023 as in Appendix 8.

5. KEY IMPLEMENTATION ISSUES AND SOLUTIONS

Issues:

- The project has shortage of consultants, especially safeguard consultants (environment, resettlement, and gender) since they have resigned from the project since Q1 2023.
- Independence Third Party to review social safeguard is not yet recruited
- Consultants have shortage of the remaining input to do their professional assignment.

Solutions:

- For the shortage of consultants, PMU has urged firm to faster the recruitment of qualified consultant for the project as soon as possible. For now, three consultants have been mobilized (environment, social safe guard and gender).
- For current procurement method, PMU has proposed to MEF and ADB to change it.
- ITP will be recruited as soon as possible, hopefully in Q1 2024
- The consulting firm and PMU has prepared the VO15 to submit to MEF and ADB

6. UPDATED PROCUREMENT PLAN

Procurement has been updated, the last updated version 5 is in Appendix 1.

7. IMPLEMENTATION PLAN FOR 2024

Below are the activities that has been plan to implement in year 2024. The detail is in AWPB 2024.

1.1 Rehabilitating water management infrastructure to climate resilient condition គ្រប់គ្រងហេដ្ឋារចនាសម្ព័ន្ធប្រភពទឹកឆ្លើយតបភាពធន់ការប្រែប្រួលអាកាសធាតុ
1.2 Upgrading agricultural cooperative value chain infrastructure . ធ្វើអោយប្រសើរហេដ្ឋារចនាសម្ព័ន្ធខ្សែច្រវាក់តម្លៃសហគមន៍កសិកម្ម
1.3 Improving connectivity to cooperatives and markets through climate resilient farm road networks .ការធ្វើឱ្យប្រសើរឡើងនូវកាតភ្ជាប់ផ្លូវពីសហគមន៍កសិកម្មទៅផ្លូវធំ ឬផ្សារដែលធន់នឹងបម្រែបម្រួលអាកាសធាតុ
1.4 Strengthening infrastructure for agricultural quality and safety testing កែលំអរហេដ្ឋារចនាសម្ព័ន្ធធ្វើតេស្តគុណភាព និងសុវត្ថិភាពផលិតផលដំណាំ
1.5 Promoting renewable energy for value chain improvement ចាមពលកកើតឡើងវិញសម្រាប់ការកែលម្អខ្សែសង្វាក់ផលិតកម្ម
2.1 Deploying climate resilient varieties ការផលិត នឹងផ្សព្វផ្សាយពូជដែលធន់នឹងការប្រែប្រួលអាកាសធាតុ
2.2 Strengthening capacity in climate friendly production practices and technologies ការពង្រឹងសមត្ថភាពនៃការអនុវត្តកសិកម្មដោយភាពរួមស្របនឹងបរិស្ថាន
2.3 Promoting farm mechanization and extension ជំរុញ និងផ្សព្វផ្សាយការប្រើប្រាស់គ្រឿងយន្តបន្ថែមកសិកម្ម
3.1 Formulating climate friendly agribusiness policies and standards ការសិក្សា និងរៀបចំគោលនយោបាយ និងស្តង់ដារ
3.2 Promoting green finance and risk sharing mechanisms ការលើកកម្ពស់ហិរញ្ញប្បទានបៃតង និងយន្តការចែករំលែកហានិភ័យ)
3.3 Supporting climate risk management through information and communication technologies (ICT) ការគាំទ្រការគ្រប់គ្រងហានិភ័យអាកាសធាតុតាមរយៈបច្ចេកវិទ្យាទំនាក់ទំនងនិងព័ត៌មាន

Appendix 1: Updated Procurement Plan

Basic Data

Project Name: Climate-Friendly Agribusiness Value Chains Sector Project		
Project Number: 48409-002		Approval Number: 3661/8346/0579
Country: Cambodia		Executing Agency: Ministry of Agriculture, Forestry & Fisheries
Project Financing Amount: US\$ 141,040,000 ADB Financing: US\$ 90,000,000 Cofinancing (ADB Administered): US\$ 40,000,000 Non-ADB Financing: US\$ 11,040,000		Implementing Agency: Ministry of Rural Development, Ministry of Water Resources and Meteorology
		Project Closing Date: 30 September 2026
Date of First Procurement Plan: 29 June 2018		Date of this Procurement Plan: 7 July 2023, Version 5
Advance Contracting: Yes	Related to COVID-19 response efforts: No	Use of e-procurement (e-GP): No

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

1. Procurement and Consulting Methods and Thresholds

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

Procurement of Goods and Works		
Method	Threshold	Comments
International Competitive Bidding for Goods	US\$ 1,000,000 and Above	
National Competitive Bidding for Goods	Between US\$ 100,000 and US\$ 999,999	First two contracts subject to prior review.
Shopping for Goods	Up to US\$ 99,999	Post review.
International Competitive Bidding for Works	US\$ 3,000,000 and Above	
National Competitive Bidding for Works	Between US\$ 100,000 and US\$ 2,999,999	First of each type of intervention regardless of the value of the contract.
Shopping for Works	Up to US\$ 99,999	Post review.

Consulting Services	
Method	Comments
Quality- and Cost-Based Selection for Consulting Firm	Full-technical proposal.
Single Source Selection for Consulting Firm	Recruitment for the Variety Development Consulting Services.

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.

2.1. Ministry of Water Resources and Meteorology (MOWRAM)								
Goods and Works								
Package Number	General Description	Estimated Value	Number of Contract	Procurement Method	Review (Prior/Post)	Bidding Procedure	Advertisement Date (quarter/year)	Comments
CFAVC-M OWRAM- KPC-CW1 4-2 (2022)	Irrigation Subproject, Kampong Cham province (1 scheme) Pou Tatress Reservoir	1,057,200.00	1	NCB	Post	1S1E	Q3 / 2023	Prequalification of Bidders: N Domestic Preference Applicable: N Bidding Document: Small Works Covid-19 Response? No Comments: SOP Updated Bidding Documents (2019)
CFAVC-M OWRAM- KPC-CW1 4-3 (2022)	Irrigation Subprojects, Kampong Cham province (2 schemes) Teuk Char East Teuk Char West	3,750,000.00	2	NCB	Post	1S1E	Q4 / 2023	Prequalification of Bidders: N Domestic Preference Applicable: N Bidding Document: Small Works Covid-19 Response? No Comments: SOP Updated Bidding Documents (2019)
	Lot 1: Teuk Char East	1,875,000.00						
	Lot Lot 2: Teuk Char West	1,875,000.00						
CFAVC-M OWRAM- KPT- CW12-2 (2021)	Irrigation Subprojects, Kampot province (2 schemes) Kandal Irrigation System Prawoek Pong Reservoir (70 ha) Lot 1: Kandal Irrigation System Lot 2: Prawoek Pong Reservoir (70 ha)	2,050,000.00 1,795,000.00 255,000.00	2	NCB	Post	1S1E	Q2 / 2023	Prequalification of Bidders: N Domestic Preference Applicable: N Bidding Document: Small Works Covid-19 Response? No Comments: SOP Updated Bidding Documents (2019)

CFAVC-M OWRAM- KPT- CW12-3 (2022)	Irrigation Subproject, Kampot province (1 scheme) Trapeang Boeung Reservoir	2,162,250.00	1	NCB	Post	1S1E	Q4 / 2023	Prequalification of Bidders: N Domestic Preference Applicable: N Bidding Document: Small Works Covid-19 Response? No Comments: SOP Updated Bidding Documents (2019)
CFAVC- MOWRAM- TBM- CW13-2 (2022)	Irrigation Subprojects, Tbong Khmum province (2 schemes) Lot 1: Tbong Damei Community Lot 2: Kampong Raing Feeding Canal	1,964,210.00 1,358,960.00 605,250.00	2	NCB	Post	1S1E	Q4 / 2023	Prequalification of Bidders: N Domestic Preference Applicable: N Bidding Document: Small Works Covid-19 Response? No Comments: SOP Updated Bidding Documents (2019)
CFAVC- MOWRAM- TBM- CW13- (2022)	Irrigation Subprojects, Tbong Khmum province (2 schemes) Choam Tahoeung (1120ha) Trapeang Ampil Lot 1: 1 Lot 2: 2	2,350,000.00 1,175,000.00 1,175,000.00	2	NCB	Post	1S1E	Q4 / 2023	Prequalification of Bidders: N Domestic Preference Applicable: N Bidding Document: Small Works Covid-19 Response? No Comments: SOP Updated Bidding Documents (2019)
CFAVC-M OWRAM-T EO-CW15- 2 (2022)	Irrigation Subprojects, Takeo province (3 schemes) Kwaeng Tayi Plov Touk & Chrouk 1 Prey Rumdeng feeding Canal Lot 1: Kwaeng Tayi Lot 2: Plov Touk & Chrouk 1 Lot 3: Prey Rumdeng feeding Canal	2,867,160.00 1,267,000.00 768,140.00 832,020.00	3	NCB	Post	1S1E	Q3 / 2023	Prequalification of Bidders: N Domestic Preference Applicable: N Bidding Document: Small Works Covid-19 Response? No Comments: SOP Updated Bidding Documents (2019)

CFAVC-MOWRAM-EC- CW15-3 (2022)	Irrigation Subprojects, Takeo province (7 schemes) Pou Tasuy Reservoir 440ha, Pralay 85 Canal 850ha, Pralay 42 (Pumping Station) 650ha, O' Rumdourl (210ha) Sdok Sab	3,207,000.00	7	NCB	Post	1S1E	Q4 / 2023	Prequalification of Bidders: N Domestic Preference Applicable: N Bidding Document: Small Works Covid-19 Response? No Comments: SOP Updated Bidding Documents (2019)
	Lot 1: 1 Pou Tasuy Reservoir 440ha	458,143.00						
	Lot 2: 2 Pralay 85 Canal 850ha	458,143.00						
	Lot 3: 3 Pralay 42 (Pumping Station)650ha	458,143.00						
	Lot 4: 4 O'Rumdourl (210ha)	458,143.00						
	Lot 5: 5 Sdok Sab	458,143.00						
	Lot 6: 6 TBC	458,142.00						
	Lot 7: 7 TBC							
CW14 (CFAVC-MOWRAM-KPC-CW14-1 (2020)	Irrigation Subprojects, Kampong Cham province (2 schemes: 955 ha)	2,147,000.00	2	NCB	Post	1S1E	Q4 / 2023	Prequalification of Bidders: N Domestic Preference Applicable: N Bidding Document: Small Works Covid-19 Response? No Comments: SOP Updated Bidding Documents (2019)
	Lot 1: CW14-A Pram Kompheak (635 ha)	1,247,000.00						
	Lot 2: CW14-B O kamprok (320 ha)	900,000.00						
CW15 (CFAVC-MOWRAM-TEO CW15-1 (2020)	Irrigation Subprojects, Takeo province (2 schemes: 750 ha)	1,664,000.00	2	NCB	Post	1S1E	Q2 / 2023	Prequalification of Bidders: N Domestic Preference Applicable: N Bidding Document: Small Works Covid-19 Response? No Comments: SOP Updated Bidding Documents (2019)
	Lot 1: CW15-A Prey Kdouch (550 ha)	1,230,800.00						
	Lot 2: CW15-B Krain Ampil (200 ha)	433,200.00						
CW16	Remaining Irrigation subprojects for four provinces.	5,719,178.52	8	NCB	Post	1S1E	Q24/ 2023	Prequalification of Bidders: N Domestic Preference Applicable: N Bidding Document: Small Works Covid-19 Response? No Comments: (less CW12-15)
	Lot 1: 1	714,897.30						
	Lot 2: 2	714,897.30						
	Lot 3: 3	714,897.30						
	Lot 4: 4	714,897.30						
	Lot 5: 5	714,897.30						
	Lot 6: 6	714,897.30						
	Lot 7: 7	714,897.30						
	Lot 8: 8	714,897.42						

CW1a	On-farm rainfall water collection ponds for all provinces (80ponds) Lot 1: Kampot Lot 2: Takeo Lot 3: Tboung Khmum Lot 4: Kampong Cham	1,134,368.00 283,592.00 283,592.00 283,592.00 283,592.00	4	NCB	Post	1S1E	Q4 / 2023	Prequalification of Bidders: N Domestic Preference Applicable: N Bidding Document: Small Works Covid-19 Response? No Comments: SOP Updated Documents (2019)
CW1b	On-Farm Water Catchment Ponds - for 4 provinces (remaining 720) Lot 1 Lot 2 Lot 3 Lot 4 Lot 5 Lot 6 Lot 7 Lot 8 Lot 9 Lot 10 Lot 11 Lot 12	8,418,208.00 701,517.37 701,517.33 701,517.33 701,517.33 701,517.33 701,517.33 701,517.33 701,517.33 701,517.33 701,517.33 701,517.33	12	NCB	Post	1S1E	Q4 / 2023	Prequalification of Bidders: N Domestic Preference Applicable: N Bidding Document: Small Works Covid-19 Response? No Comments: SOP Updated Documents (2019)
2.2. Ministry of Rural Development (MRD)								
CW17a-CFAVC-MRD-KP-1A & 2A-Batch 2	Rural Road Improvement (DBST/Concrete) in Kampot Province. Total (22.061km) Lot 1: Road Improvement total (12.963 km): 1.Trapeang Ta Meas-Ou Kandal (6.395 km); 2.Prey Krang Khang Cheung-Trapeang Chhuk (6.568 km). Lot 2: Road Improvement total (9.098 km) 1. Snay Anhchit – Thlok Yul (3.817 km); 2.Trapeang Run-Bariveas (5.281 km)	3,605,058.00 2,201,113.23 1,403,944.77	2	NCB	Post	1S1E	Q4 / 2023	Prequalification of Bidders: N Domestic Preference Applicable: N Bidding Document: Small Works Covid-19 Response? No Comments: SOP Updated Bidding Documents (2019)

CW17a-CFAVC-MRD-KP-1A-Batch 3	Rural Road Improvement (DBST/Concrete) in Kampot Province. Total (12.39 km): Prey Chheu Nieng-Ponhea Angkor (12.39 Km)	1,861,800.00	1	NCB	Post	1S1E	Q2 / 2023	Prequalification of Bidders: N Domestic Preference Applicable: N Bidding Document: Small Works Covid-19 Response? No Comments: SOP Updated Documents (2019)
CW17b-CFAVC-MRD-TK-1A-Batch 3	Rural Road Improvement (DBST/Concrete) in Takeo Province. Total (20.08km): 1. Trapeang Pring-Cheav Bdei Khang Kaeut (4.51Km); 2. Trapeang Trakiet - Svay Prey (9.04 km); 3. Prey Kduoch - Phlov Louk (6.53 km)	2,789,600.00	1	NCB	Post	1S1E	Q2 / 2023	Prequalification of Bidders: N Domestic Preference Applicable: N Bidding Document: Small Works Covid-19 Response? No Comments: SOP Updated Bidding Documents (2019)
CW17b-CFAVC-MRD-TK-2A-Batch 3	Rural Road Improvement (DBST/Concrete) in Takeo Province. Total (18.43km): 1. Khnach Khang Tboung - Bei Pey (6.66km); 2. Daeum Thlok - Prey Nhuek (5.69km); 3. Ta Mau - Trapeang Vihear (6.08 km)	2,626,000.00	1	NCB	Post	1S1E	Q2 / 2023	Prequalification of Bidders: N Domestic Preference Applicable: N Bidding Document: Small Works Covid-19 Response? No Comments: SOP Updated Bidding Documents (2019)
CW17c-CFAVC-MRD-TBK-1A&2A-Batch 2	Rural Road Improvement (DBST/Concrete) in Tboung Khmum Province. Total (29.261 km)	4,590,287.36	1	NCB	Post	1S1E	Q4 / 2023	Prequalification of Bidders: N Domestic Preference Applicable: N Bidding Document: Small Works Covid-19 Response? No Comments: SOP Updated Bidding Documents (2019)

CW17c-CFAVC-MRD-TBK-1A&2A-Batch 2	Rural Road Improvement (DBST/Concrete) in Tboung Khmum Province. Total (29.261 km) Lot 1: Total:16.370 km: 1. From Chuol-Kbal Thnal (8.110 km); 2. From Sralab-Smaonh (5.437 km); 3.Kouk Srok (2.823 km) Lot 2: Total 12.891 km: 1. Samraeuy-Kokir (4.908 km); 2. Toul Kandal-Tuol Chan (2.789 km); 3. Popel (1.446 km); 4. La (3.748 km)	4,590,287.36 2,247,270.00 2,343,017.36	2	NCB	Post	1S1E	Q4 / 2023	Prequalification of Bidders: N Domestic Preference Applicable: N Bidding Document: Small Works Covid-19 Response? No Comments: SOP Updated Bidding Documents (2019)
CW17c-CFAVC-MRD-TBK-1A-Batch 3	Rural Road Improvement (DBST/Concrete) in Tboung Khmum province. Total (22.06 km): 1. Chey Nikom - Char Stueng Ta Thok (5.80 km); 2.Seda Sen Chey - Rum Peak 2 (7.64 km); 3.Sen Prapey - Kampey (2.02 km); 4. Dar Phsar - Spean (6.60 km)	2,942,050.00	1	NCB	Post	1S1E	Q2 / 2023	Prequalification of Bidders: N Domestic Preference Applicable: N Bidding Document: Small Works Covid-19 Response? No Comments: SOP Updated Bidding Documents (2019)
CW17d-CFAVC-MRD-KC-1A &2A-Batch 2	Rural Road Improvement (DBST/Concrete) in Kampong Cham Province. Total (22.065 km) Lot 1: Total 9.425 km: 1. From Andoung Snay-Sdok Thum (3.925 km); 2. From Trapeang Kor-Trapeang Thma (5.500 km) Lot 2: Total 12.640Km: 1. From Dankao-Trapeang Bei (7.657 km); 2. From Pou Sala Ti Muoy-Sach Sour (4.983 km)	3,577,993.66 1,417,291.71 2,160,701.95	2	NCB	Post	1S1E	Q4 / 2023	Prequalification of Bidders: N Domestic Preference Applicable: N Bidding Document: Small Works Covid-19 Response? No Comments: SOP Updated Bidding Documents (2019)
CW17d-CFAVC-MRD-KC-1A-Batch 3	Rural Road Improvement (DBST/Concrete) in Kampong Cham Province. Total (7.78 km): 1. Tumpor - S'ang (3.23km); 2. Kandal Khnhoung - Angkor Chey Leu (4.55 km)	1,483,190.00	2	NCB	Post	1S1E	Q2 / 2023	Prequalification of Bidders: N Domestic Preference Applicable: N Bidding Document: Small Works Covid-19 Response? No Comments: SOP Updated Bidding Documents (2019)

2.3. Ministry of Agriculture, Forestry and Fisheries (MAFF)

CW19	Installation and commissioning of 10,750 Bio-digesters and 5,375 compost huts. (Step by step bidding with multiple lots)	8,367,490.00	Multiple	Shopping with advertising	Post	1S1E	2024 to 2026	Prequalification of Bidders: N Domestic Preference Applicable: N Bidding Document: Goods Covid-19 Response? No Comments: SOP Updated Bidding Documents (2019) Change from NCB to shopping with advertises.
D1 (D1b, D1c, D1d, D1e)	Demonstration and Training for Laser land levelling (3,500ha)	1,979,592.00 Lot1: 494,898.00 Lot2: 494,898.00 Lot3: 494,898.00 Lot4: 494,898.00	4	NCB	Post	1S1E	Q1-4 / 2024 to Q1-Q4/2025	Prequalification of Bidders: N Domestic Preference Applicable: N Bidding Document: Small Works Covid-19 Response? No Comments: SOP Updated Documents (2019)
G1	Biotechnology (NAL) Laboratory (including tissue culture house equipment)	2,037,070.00	1	ICB	Post	1S1E	Q1 / 2025	Prequalification of Bidders: N Domestic Preference Applicable: N Bidding Document: Goods Covid-19 Response? No SOP Updated Bidding 2019 Comments: Reduced by \$115,397.00 (\$91,397 for renovation room lab and \$24,000 for the construction net house - package CWX-IA-GDA)

G2	Rapid Test Kits = Bio / Organic Fertilizer Laboratory (materials and equipment)	1,007,722.18 Lot1: 503,861.09 Lot2: 503,861.09	2	NCB	Prior	1S1E	Q1 / 2024	Prequalification of Bidders: N Domestic Preference Applicable: N Bidding Document: Small Works Covid-19 Response? No Comments: SOP Updated Documents (2019)
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3. Consulting Services Contracts Estimated to Cost \$100,000 or More

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

3.1. Ministry of Water Resources and Meteorology (MOWRAM)							
Package Number	General Description	Estimated Value	Recruitment Method	Review (Prior/Post)	Advertisement Date (quarter/year)	Type of Proposal	Comments
CS6	Independent verification party	126,630.00	QCBS	Prior	Q3 / 2023	BTP	Assignment: National consultant (<u>will be conducted by MOWRAM</u>)
3.2. Ministry of Rural Development (MRD)							
None							
3.3 Ministry of Agriculture, Forestry and Fisheries (MAFF)							
CS3	Variety development by IRRI (Climate Resilient Varieties Support for CARDI, including: Advancing rice generation, Multi-location trials, On-farm adaptive trials & demonstrations, Breeder & foundation rice seed, Foundation seed for OPV maize)	2,787,015.00	SSS	Prior	Q4 / 2023	FTP	Assignment: International Advance Contracting: N Covid-19 Response? No Comments: As agreed in the negotiation.

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.

4.1 Ministry of Water Resources and Meteorology (MOWRAM)								
Goods and Works								
Package Number	General Description	Estimated Value	Number of Contracts	Procurement Method	Review (Prior/Post)	Bidding Procedure	Advertisement Date (quarter/year)	Comments
CW12-1	Irrigation Subprojects, Kampot province (1 scheme) Prey Takouch (450 ha)	675,700.00	1	NCB	Post	1S1E	Q1 / 2022	Prequalification of Bidders: N Domestic Preference Applicable: N Bidding Document: Small Works Covid-19 Response? No Comments: SOP Updated Bidding Documents (2019)
4.2 Ministry of Rural Development (MRD)								

None								
4.3. Ministry of Agriculture, Forestry and Fisheries (MAFF)								
CW18	Repairing Glasshouse for Germplasm Maintenance + net house Lot 1: Lot 2: Lot 3:	769,445.00 256,481.60 256,481.60 256,481.80	3	NCB	Post	1S1E	Q1-Q4/2024	Prequalification of Bidders: N Domestic Preference Applicable: N Bidding Document: Small Works Covid-19 Response? No Comments: Bidding Document: SOP Updated Bidding Documents (2019)
CW19a	Installation and commissioning of 500 bio-digesters and 250 compost huts* Lot 1: Kampot Lot 2: Kampong Cham Lot 3: Takeo Lot 4: Tboung Khmum	364,009.00 91,002.00 91,002.00 91,002.00 91,003.00	4	Shopping with advertising	Prior	1S1E	Q1-Q4/2024	Prequalification of Bidders: N Domestic Preference Applicable: N Bidding Document: Small Works Covid-19 Response? No Comments: First type of intervention subject to prior review. *amount included beneficiary cost estimates. Change from NCB to shopping with advertises.
CW19b	Installation and commissioning of 750 biodigesters and 375 compost huts Package 1: Kampot Lot 1: Lot 2: Package 2: :Kampong Cham Lot 1: Lot 2: Package 3: Takeo Lot 1: Lot 2: Package 4: Tboung Khmum Lot 1: Lot 2:	544,484.00 68,060.50 68,060.50 68,060.50 68,060.50 68,060.50 68,060.50 68,060.50 68,060.50 68,060.50	8	Shopping with advertising	Post	1S1E	Q1-Q4 / 2024	Prequalification of Bidders: N Bidding Document: RFQ of Works Covid-19 Response? No Comments: *amount included beneficiary cost estimates. proposed to change from NCB to Shopping due to failure for 2 times of NCB process SOP Updated Bidding Documents (2019) Change from NCB to shopping with advertising.

D1a	Demonstration and Training for Laser land levelling (500ha) for 4 lots Lot 1: Kampot, Lot 2: Takeo Lot 3: Tboung Khmum Lot 4: Kampong Cham	300,000.00 75,000.00 75,000.00 75,000.00 75,000.00	4	NCB	Prior	1S1E	Q3 / 2023	Prequalification of Bidders: N Domestic Preference Applicable: N Bidding Document: RFQ Works Covid-19 Response? No
CW11a	Construction of 02 dryer sheds for 100-ton warehouse (2 x \$40,000)	80,000.00	1	Shopping	Post	1S1E	Q3 / 2023	Prequalification of Bidders: N Bidding Document: RFQ of Works Covid-19 Response? No
CW5 (Canceled)	Renovation of Agriculture Extension Building in Kampot	12,900.00	1	Shopping	Post	1S1E	Q2 / 2023	Prequalification of Bidders: N Bidding Document: RFQ of Works Covid-19 Response? No Canceled from renovation to new building.
CW7a (New proposed)	Construction of Mechanization Workshops & Supervision for Takeo Province (Proposed for new building replacing office equipment provision in the original design)	119,769.92	1	NCB	Post	1S1E	Q3/2023	Prequalification of Bidders: N Bidding Document: Small Works Covid-19 Response? No Comments: Newly Proposed SOP Updated Bidding
CW4a (New proposed)	Construction of Training Building for Provincial Agriculture Development Center (PADC) at Kampot Province (former Renovation of Agriculture Extension Building in Kampot)	126,170.14	1	NCB	Post	1S1E	Q4/2023	Prequalification of Bidders: N Bidding Document: Small Works Covid-19 Response? No Comments: Newly Proposed SOP Updated Bidding
CW3b4 (New proposed)	Construction of Agricultural Cooperative Storage Units including: Cooperative store manager, Basic infrastructure for cooperative and infrastructure design, additional 6 units (Takeo 3 units & Kampot 3 units)	833,092.27	1	NCB	Post	1S1E	Q4/2023	Prequalification of Bidders: N Bidding Document: Small Works Covid-19 Response? No Comments: Newly Proposed SOP Updated Bidding 2019

G1a (2021)	Biotechnology (NAL) Laboratory (including tissue culture house equipment) Lot 1-Equipment Lot 2- Chemical reagent	997,750.00	2	NCB	Prior	1S1E	Q2 / 2025	Prequalification of Bidders: N Domestic Preference Applicable: N Bidding Document: Goods Covid-19 Response? No Comments: For rebid SOP Updated Bidding 2019 Carry over to 2025 for Lot-1
G3	Equipment & Materials for 15 Drip Irrigation Systems (includes tube wells/water source connection, solar pumps and other agricultural inputs e.g. training)	805,617.00	1	NCB	Prior	1S1E	Q4 / 2023	Prequalification of Bidders: N Domestic Preference Applicable: N Bidding Document: Goods Covid-19 Response? No Comments: First type of intervention subject to prior review. SOP Updated Bidding 2019
G4	Equipment for Mechanizations Workshops for all four provinces	634,076.00	1	NCB	Post	1S1E	Q3 / 2023	Prequalification of Bidders: N Domestic Preference Applicable: N Bidding Document: Goods Covid-19 Response? No SOP Updated Bidding 2019
G11a (New proposed)	Office equipment (Laptop computer, Printer for MAFF-PPIUs)	24,000.00	1	Shopping	Post	1S1E	Q4 / 2023	Prequalification of Bidders: N Bidding Document: RFQ of Goods Comments: Newly proposed SOP Updated Bidding 2019
G16	-Supply circulated cylinder dryers for the 100-ton warehouses (2 Units x US\$200,000) -Supply electrical voltage transformer set for 2 Units x \$30,000) circulated cylinder dryers	460,000.00	1	NCB	Post	1S1E	Q1 / 2024	Prequalification of Bidders: N Domestic Preference Applicable: N Bidding Document: Goods Covid-19 Response? No

G7	ICT Equipment (including training and studies)	3,502,131.00	1	ICB	Prior	1S1E	Q1 / 2024	Prequalification of Bidders: N Domestic Preference Applicable: N Bidding Document: Goods Covid-19 Response? No
G8	Six Paddy Milling Equipment	112,382.00	1	NCB	Post	1S1E	Q1 / 2024	Prequalification of Bidders: N Domestic Preference Applicable: N Bidding Document: Goods Covid-19 Response? No
G9	Five units of Maize Shellers (2 tons)	18,730.00	1	Shopping	Post	1S1E	Q1 / 2024	Covid-19 Response? No Comments: RFQ with advertisement

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

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	Procurement Method	Review (Prior/Post)	Bidding Procedure	Comments	
NONE								

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

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

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

1. Awarded and Ongoing Contracts

1.1. Ministry of Water Resources and Meteorology (MOWRAM)							
Goods and Works							
Package Number	General Description	Estimated Value (\$)	Actual Contract Amount	Procurement Method	Advertisement Date	Date of ADB Approval of Contract Date	Comments
CFAVC-MOWRAM-KPT-CW12.1 (2020)	Irrigation Subprojects, Kampot province (1 scheme) Prey Takouch (450 ha)	675,700.00	621,018.47	NCB	25 January 2022	14 December 2022	K.B.H Construction Co., Ltd. (PCSS No. 0051, 0012, 0020)
CFAVC-MOWRAM-KPC-CW14.1 (2020)	Irrigation Subprojects, Kampong Cham province (2 schemes: 1,220 ha) Pram Kompheak (from 635 to 900 ha) O Kamprok (320 ha)	2,147,000.00 1,247,000.00 900,000.00	2,201,388.94	NCB	27 August 2021	30 December 2022	Peng Sour Construction Co., Ltd (PCSS No. 0050, 0011, 0019)
CFAVC-MOWRAM-KPT-CW12-2A (2021)	Trapeang Boeung Irrigation Subprojects, Kampot (800ha)	2,011,961.00	-	NCB	31 March 2023	-	On BER and PRC's Approval Progresses
CFAVC-MOWRAM-KPT-CW12-2B (2021)	Irrigation Subprojects, Kampot province (2 schemes) Kandoal Feeding Canal (750ha), Bravoek Pong Reservoir (70 ha)	2,148,936.00	-	NCB	31 March 2023	-	On BER and PRC's Approval Progresses
CFAVC-MOWRAM-TBM-CW13.2 (2022)	Irrigation Subprojects, Tbong Khmum province (2 schemes) Tbong Damei (600ha) Kampong Raing (350ha)	1,964,210.00 1,358,960.00 605,250.00	-	NCB	27 April 2022	-	Waiting for the DDR's Approval
CFAVC-MOWRAM-TEO-CW15.2 (2022)	Irrigation Subprojects, Takeo province (3 schemes) Kwaeng Tayi (970) Chrouk 1 + Plov Touk (975ha) Prey Rumdeng feeding Canal (650ha)	2,867,160.00 1,267,000.00 768,140.00 832,020.00	-	NCB	31 March 2023	-	On BER and PRC's Approval Progresses
CFAVC-MOWRAM-TEO-CW15.3 (2022)	Irrigation Subprojects, Takeo province (2 schemes) Pralay 95 (850ha) Pralay 45 with pumping station (650ha),	2,390,974.00	-	NCB	20 April 2023	-	Its Bid Opening will be held on 19-05-2023

CFAVC-RWHP-KAM-CW01-A.1	The Construction and Rehabilitation of 80 Rain Water Harvesting Ponds in Kampot Province	1,052,264.00	-	NCB	22 November 2022	-	On BER and PRC's Approval Progresses
CFAVC-RWHP-TBM-CW01-B.1	The Construction and Rehabilitation of 63 Rain Water Harvesting Ponds (RWHPs) in Tbong Khmum Province	1,372,555.00	-	NCB	31 March 2023	-	On BER and PRC's Approval Progresses
CFAVC-RWHP-TEO-CW01-D.1	The Construction and Rehabilitation of 69 Rain Water Harvesting Ponds (RWHPs) in Takeo Province	1,310,336.00	-	NCB	31 March 2023	-	On BER and PRC's Approval Progresses
CFAVC-RWHP-KPC-CW01-C.1	The Construction and Rehabilitation of 66 Rain Water Harvesting Ponds (RWHPs) in Kampong Cham Province	977,678.76	-	NCB	20 April 2023	-	Its Bid Opening will be held on 19-05-2023

1.2. Ministry of Rural Development (MRD)

Package Number	General Description	Estimated Value (\$)	Actual Contract Amount	Procurement Method	Advertisement Date	Date of ADB Approval of Contract Date	Comments
CW17a-CFAVC-MRD-KP1 & KP2-2020	Rural Road improvement (DBST) Kampot Province (20.10Km)	2,535,380.05	2,144,304.98	NCB	Q1/2021	29-June-2022	Lot 1; Royal Mekong Construction & Development Pte., Ltd
	Lot 1: Rural Road improvement (DBST) Kampot Province (11,948.05m)	1,488,481.62	1,266,929.22				
	Lot 2: Rural Road improvement (DBST) Kampot Province (8,104.00m)	1,046,898.43	877,375.76				
CW17b-CFAVC-MRD-TK3 & TK4-2020	Rural Road improvement (DBST) Takeo Province (14.67 km)	2,327,615.73	2,123,018.50	NCB	Q4/2020	18-Jan-2022	Lot 1: Henan Water Construction Group Co., Ltd.
	Lot 1: Rural Road improvement (DBST) Takeo Province (10.00 km)	1,420,261.51	1,243,719.86				
	Lot 2: Rural Road improvement (DBST) Takeo Province (4.67 km)	907,354.22	879,298.64				

CW17c-CFACV-MRD-TBK5 & TBK6-2020	Rural Road Improvement (DBST) Tboung Khmum Province (21.83 km).	3,197,132.33	2,684,299.57	NCB	Q4/2020	17-May-2022	Lot 1: Heng Sambath Co., Ltd Import Export Transportation and Construction Lot 2: Heng Sambath Co., Ltd Import Export Transportation and Construction
	Lot 1: Rural Road Improvement (DBST) Tboung Khmum Province (9.774 km).	1,512,021.45	1,239,711.20				
	Lot 2: Rural Road Improvement (DBST) Tboung Khmum Province (12.00 km).	1,685,110.88	1,444,588.37				
CW17d-CFACV-MRD-KC7 & KC8-2020	Rural Road improvement (DBST) Kampong Cham Province (14.74 km)	2,017,159.42	1,714,195.29	NCB	Q1/2021	09-May-2022	Lot 1: MTA Construction Co., Ltd. Lot 2: MTA Construction Co., Ltd.
	Lot 1: Rural Road improvement (DBST) Kampong Cham Province (9.882 km)	1,280,831.31	1,103,011.81				
	Lot 2: Rural Road improvement (DBST) Kampong Cham Province (4.721 km)	736,328.11	611,183.48				
CW17b-CFACV-MRD-TK-1A & 2A-Batch 2	Rural road improvement (DBST/Conc) in Takeo Province. Total (26.737 km)	4,056,654.00	3,716,735.16	NCB	Q3/2022	03-Feb-2023	6 Stars Construction Co., Ltd. C.NO Construction and Investment Co., Ltd.
	Lot 1: Rural road improvement (DBST/Conc) in Takeo Province Total (13.976 km)	2,131,618.83	1,836,447.70				
	1. Angh Trav-Stueng (8.203km). 2. Trav Aem-Angk Baksei (5.773 km)						
	Lot 2: Rural road improvement (DBST/ Conc) in Takeo province. Total legth (12.761 km)	1,925,035.17	1,880,287.46				
	1. Trapeang Srangae-Ang Tnaot Khang Lech (3.970 km) 2. Yeay La-Trapeang Chak (3.385 km) 3. Ta Pov- HanTea (5.406 km)						

<p>CW17a-CFAVC-MRD-KP-1A & 2A-Batch 2</p>	<p>Rural Road Improvement (DBST/Conc) In Kampot Province. Total (22.061km)</p> <p>Lot 1: Rural road improvement (DBST/Conc) in Kampot Province Total (12.963 km)</p> <p>1. Trapeang Ta Meas-Ou Kandal (6.395 km),</p> <p>2. Prey Krang Khang Cheung-Trapeang Chhuk (6.568 km).</p> <p>Lot: 2 Rural road improvement (DBST/ Conc) in Kampot province Total (9.098 km)</p> <p>1. Snay Anhchit – Thlok Yul (3.817 km)</p> <p>2. Trapeang Run-Bariveas (5.281 km)</p>	<p>3,605,058.00</p> <p>2,201,113.23</p> <p>1,403,944.77</p>		<p>NCB</p>	<p>Q1/2023</p>		
<p>CW17d-CFAVC - MRD-KC-1A & 2A-Batch 2</p>	<p>Rural Road Improvement (DBST/Conc) in Kampong Cham Province. Total (22.069 km)</p> <p>Lot 1: Rural road Improvement (DBST/Conc) in Kampong Cham Province Total (9.425 km)</p> <p>1. From Andoung Snay-Sdok Thum (3.925 km)</p> <p>2. From Trapeang Kor-Trapeang Thma (5.500 km)</p> <p>Lot 2: Rural road improvement (DBST/Conc) (Total:12.640Km) in Kampong Cham Province</p> <p>1. From Dankao-Trapeang Bei (7.657 km),</p> <p>2. From Pou Sala Ti Muoy-Sach Sour (4.983 km).</p>	<p>3,577,993.66</p> <p>1,417,291.71</p> <p>2,160,701.95</p>		<p>NCB</p>	<p>Q2/2023</p>		

CW17c-CFAVC-MRD-TBK-1A&2A-Batch2	Rural Road Improvement (DBST/Concrete) in Tboung Khmum Province. Total (29.261 km). Lot 1: Total:16.370 km: 1. From Chruol-Kbal Thnal (8.110 km); 2. From Sralab-Smaonh (5.437 km); 3.Kouk Srok (2.823 km) Lot 2: Total 12.891 km: 1. Samraeuy-Kokir (4.908 km); 2. Toul Kandal-Tuol Chan (2.789 km); 3. Popel (1.446 km); 4. La (3.748 km)	4,590,287.36 2,247,270.00 2,343,017.36		NCB	Q2/2023		
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1.3. Ministry of Agriculture, Forestry and Fisheries (MAFF)

Package Number	General Description	Estimated Value (\$)	Actual Contract Amount	Procurement Method	Advertisement Date	Date of ADB Approval of Contract Date	Comments
CW3b1/CFAVC/MAFF/2022	Construction Agricultural Cooperative (AC) Storage/Warehouse 21units: Lot 1 in Kampot and Lot 2 in Takeo	2,443,781.00	2,096,944.91	NCB		Prior review 3-Nov-22	KBH Construction Co., Ltd
Lot 1: CW3b1/CFAVC/MAFF/2022-01	Construction of Agricultural Cooperative Storage Basic infrastructure and design in Kampot 8 units	938,801.75	799,471.99	NCB	Q2-2022		KBH Construction Co., Ltd PCSS 0044
Lot 2: CW3b1/CFAVC/MAFF/2022-02	Construction of Agricultural Cooperative Storage Basic infrastructure and design in Takeo 13 units	1,524,938.97	1,297,472.92	NCB	Q2-2022		KBH Construction Co., Ltd PCSS 0045
CW3b2/CFAVC/MAFF/2022	Construction Agricultural Cooperative (AC) Storage/Warehouse 14units: Lot 1 in Kampong Cham and Lot 2 in Tboung Khmum	2,010,591.00	1,871,564.22	NCB	Q3-2022	Post review 1-Dec-22	KBH Construction Co., Ltd
Lot 1: CW3b2/CFAVC/MAFF/2022-01	Construction of Agricultural Cooperative Storage Basic infrastructure and design in Kampong Cham 4 units	461,473.90	435,354.48	NCB	Q3-2022		KBH Construction Co., Ltd PCSS 0046

Lot 2: CW3b2/ CFAVC/ MAFF/2022- 02	Construction of Agricultural Cooperative Storage Basic infrastructure and design in Tboung Khmum 10 units	1,540,524.1 0	1,436,209.7 4	NCB	Q3-2022		KBH Construction Co., Ltd PCSS 0047
CW3b3/CFAVC/ MAFF/2023	Construction Agricultural Cooperative (AC) Storage/Warehouse 25units: Lot 1 in Kampot, Lot 2 in Takeo, Lot 3 in Kampong Cham, and Lot 4 in Tbong Khmum	3,110,901.04	2,696,005.99	NCB	Q1-2023	Post review 3-May-23	KBH Construction Co., Ltd
Lot 1: CW3b3/ CFAVC/MAFF/2023/0 1	Construction of Agricultural Cooperative Storage Basic infrastructure and design in Kampot 4 Units	479,288.00	412,656.73	NCB	Q1-2023		KBH Construction Co., Ltd
Lot 2: CW3b3/ CFAVC/MAFF/2023/0 2	Construction of Agricultural Cooperative Storage Basic infrastructure and design in Takeo 12 Units	1,407,073.0 0	1,2115,18.9 2	NCB	Q1-2023		KBH Construction Co., Ltd
Lot 3: CW3b3/ CFAVC/MAFF/2023/0 3	Construction of Agricultural Cooperative Storage Basic infrastructure and design in Kampong Cham 4 Units	552,348.00	483,447.47	NCB	Q1-2023		KBH Construction Co., Ltd
Lot 4: CW3b3/ CFAVC/MAFF/2023/0 4	Construction of Agricultural Cooperative Storage Basic infrastructure and design in Tboung Khmum 5 Units	672,170.00	588,347.46	NCB	Q1-2023		KBH Construction Co., Ltd

Consulting Services

Package Number	General Description	Estimated Value	Awarded Contract Value	Recruitment Method	Advertisement Date (quarter/year)	Date of ADB Approval of Contract Award	Comments
CS1	Project implementation consultants (PIC)	4,379,920.00	4,158,200.00	QCBS	Q2 / 2018	03-JUN-19	Agriconsulting Europe SA (AESAs) (Belgium) in association with SBK Research and Development Co., Ltd (Cambodia) (PCSS 0003)

CS2	Capacity Building and Climate Smart Agriculture Consulting Firm	3,478,429.00	3,265,076.00	QCBS	Q2 / 2018	13-SEP-19	eGen Consultants Ltd. in association with SBK Research and Development Co. Ltd., Okapi Environment Consulting and International Center for Tropical Agriculture (PCSS 0004)
CS4 SER-004/2021	Information and Communication Technology (ICT) Platform for Climate Risk Management in Agribusiness Value Chains in Kampong Cham Province	1,737,401.00	1,694,111.00	QCBS	Q4-2021	9- Dec-2022	Resources Development Consultants (Pvt) Ltd. In association with CAM-CSTR Co., Ltd
CS5	Feasibility Study & Detailed Engineering Design consulting firm (for irrigation and rural roads)	2,622,704.00	2,313,414.00	QCBS	Q2 / 2018	03-JUN-19	Resources Development Consultants (PVT) Ltd. (Sri Lanka) in association with (PCS 0005)

2. Completed Contracts

2.1 Ministry of Water Resources and Meteorology (MOWRAM)

Goods and Works							
Package Number	General Description	Estimated Value	Awarded Contract Value	Procurement Method	Advertisement Date (quarter/year)	Date of ADB Approval of Contract Award	Comments
CW2	Trapeang Run Irrigation Subproject (100ha)	655,110.00	685,283.09	NCB	18 May 2020	10 November 2020	UNG SIM SIA Construction Co., Ltd. (PCSS No. 0013, 0001, G22444)
CFAVC-MOWRAM-TBM-CW13.1 (2020)	Irrigation Subprojects, Tboung Khmum province (3 schemes: 995 ha) Kbal Toeuk (445 ha) Toul Pring (100 ha) Trapeang Tross (450 ha)	2,607,100.00	2,234,441.34	NCB	15 March 2021	02 August 2021	Soeun Soknan Construction Co., Ltd. (PCSS No. 0018, 0002, 0001)
CFAVC-MOWRAM-TEO CW15.1 (2020)	Irrigation Subpro, Takeo province (2 schemes: 750 ha) Prey Kdouch (550 ha) Krain Ampil (200 ha)	1,664,000.00 1,230,800.00 433,200.00	1,392,848.85	NCB	18 March 2021	03 January 2022	K.B.H Construction Co., Ltd. (PCSS No. 0031, 0003, 0008)

2.2 Ministry of Rural Development

Package Number	General Description	Estimated Value	Awarded Contract Value	Procurement Method	Advertisement Date (quarter/year)	Date of ADB Approval of Contract Award	Comments
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None							
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2.3 Ministry of Agriculture, Forestry and Fisheries

Package Number	General Description	Estimated Value	Awarded Contract Value	Procurement Method	Advertisement Date (quarter/year)	Date of ADB Approval of Contract Award	Comments
CW20/001/MAFF	CFAVC/Office Partition and Electronic Connection	3,000.00	3,244.60	Shopping without Advertising		13-Nov-19	Veng Srun
CW20/001/MAFF	CFAVC/Office Partition and Electronic Connection	3,000.00	3,244.60	Shopping without Advertising		13-Nov-19	Veng Srun
Lot 1: CW3a/CFAVC/MAFF/2021/04	The Construction of Rice Seed Storage & Grain Storage-PDAFF-KPT	404,007.00	366,834.92	NCB	Q4 / 2020	8-Sep-21	Hout Chheoun Construction Co., Ltd. (PCSS 0025)
Lot 2: CW3a/CFAVC/MAFF/2021/05	The Construction of Rice Seed Storage & Grain Storage-PDAFF-TAK	387,704.52	352,019.30	NCB	Q4 / 2020	8-Sep-21	Hout Chheoun Construction Co., Ltd. (PCSS 0026)
Lot 3: CW3a/CFAVC/MAFF/2021/06	The Construction of Rice Seed Storage & Grain Storage-PDAFF-KCM	451837.35	412637.88	NCB	Q4 / 2020	8-Sep-21	Hout Chheoun Construction Co., Ltd. (PCSS 0027)
Lot 4: CW3a/CFAVC/MAFF/2021/07	The Construction of Rice Seed Storage & Grain Storage-PDAFF-TBK	499,667.70	458440.83	NCB	Q4 / 2020	8-Sep-21	Hout Chheoun Construction Co., Ltd. (PCSS 0027)
Lot 1: CW4/CFAVC/MAFF/2021/08	The Construction of Training Building-PADC & Equipment-TAK	81,239.81	94,290.68	NCB	Q4 / 2020	30-Jul-21	Hout Chheoun Construction Co., Ltd. (PCSS 0019)
Lot 2: CW4/CFAVC/MAFF/2021/09	The Construction of Training Building-PADC & Equipment-TBK	81,239.81	92,954.64	NCB	Q4 / 2020	30-Jul-21	Hout Chheoun Construction Co., Ltd. (PCSS 0020)
Lot 3: CW4/CFAVC/MAFF/2021/10	The Construction of Training Building-PADC & Equipment-KCM	81,239.81	95,186.61	NCB	Q4 / 2020	30-Jul-21	Hout Chheoun Construction Co., Ltd. (PCSS 0021)
Lot 1: CW7/CFAVC/MAFF/2021/01	Construction of Mechanization Engineering Workshop-PDAFF-KPT	60,154.96	62176.87	NCB	Q4 / 2020	20-Apr-21	Hout Chheoun Construction Co., Ltd. (PCSS 0022)
Lot 2: CW7/CFAVC/MAFF/2021/02	The Construction of Mechanization Engineering Workshop-PDAFF-TBK	60,154.96	62176.87	NCB	Q4 / 2020	20-Apr-21	Hout Chheoun Construction Co., Ltd. (PCSS 0024)

Lot 3: CW7/ CFAVC/MAFF/2021/03	The Construction of Mechanization Engineering Workshop-PDAFF-KCM	60,154.96	62176.87	NCB	Q4 / 2020	20-Apr-21	Hout Chheoun Construction Co., Ltd. (PCSS 0023)
CW21/CFAVC/MAFF/2022	Renovation of Plant Tissue Laboratory, Bio-fertilizer and Bio-pesticide Testing Laboratory (of NAL under GDA)	91,397.00	139,167.67	Shopping with Advertise	Q2-2022	23-Aug-2022	Taing Cheng Oing Construction & Import Export Co., Ltd PCSS 0041
CW22/CFAVC/MAFF/2022	Construction of Net Houses (of NAL under GDA)	24,000.00	24,350.92	Shopping without Advertise	Q2-2022	16-Jun-2022	KASEGRO CO., LTD PCSS 0040
G15 (2021)	Motorcycle (16 units)	35,200.00	27,168.00	SHOPPING	Q4 / 2021	13-JUL-22	O.M.C. Co., Ltd. (PCSS 0038)
G14 (2021)	Pick-up Vehicles (2 units)	80,000.00	55,200.00	SHOPPING	Q4 / 2021	13-JUL-22	HGB Auto Co., Ltd (PCSS 0037)
G-12/GD003/ CFAVC/MAFF/2019	The Supply Office Appliance	11,600.00	11,240.00	Shopping Without Ads		15-Nov-19	Mongkol Bee
G11/GD-004/ CFAVC/MAFF/2019	The Supply of Office Furniture	61,970.00	61,731.00	Shopping With Ads		18-Dec-19	Office Furniture Solutions Co., Ltd
G10/GD-005/ CFAVC/MAFF/2019	The Supply Office Equipment	123,400.00	123,447.00	NCB		25-Dec-19	ICE Electronics Co., Ltd
G13/GD-001/ CFAVC/MAFF/2020	The Supply of 05 Units Pick-up Truck for PMU/ MAFF	150,000.00	137,500.00	NCB		7-Feb-20	RMA Cambodia
G14/CFAVC/MAFF/2022 /001	The Supply and Delivery of Two Units Pickup Trucks for CFAVC	80,000.00	55,200.00	Shopping With Ads		21-Feb-22	HGB Auto Co., Ltd
G15/CFAVC/MAFF/2022 /002	The Supply and Delivery of 16 units Motorcycles for CFAVC	35,200.00	27,168.00	Shopping With Ads		17-Feb-22	OMC Co., Ltd

Consulting Services							
Package Number	General Description	Estimated Value	Awarded Contract Value	Recruitment Method	Advertisement Date (quarter/year)	Date of ADB Approval of Contract Award	Comments
NONE							

3. 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 2: Loans Covenants Status

No	Covenant	Loan Agreement Reference				Compliance Status	Remarks/Issues
		Product	Schedule	Para No.	Description		
	Sector						
		Loan 3661	Schedule 4	4	1. In the carrying out of the Project and operation of the Project facilities, the Borrower shall perform, or cause to be performed, all obligations set forth in Schedule 5 of this Loan Agreement	Being complied	
	Sector	Loan 3661	Schedule 5	15	Subproject selection. The Borrower shall ensure, or cause the Project Executing Agency to ensure, that all Subprojects selected for financing under the Project meet the screening, eligibility and approval criteria as agreed between the Borrower and ADB and documented in (Implementation Procedures) of the PAM.	Being complied with	
	Sector	Grant 0579	Sched 2	6	The Recipient shall ensure that the activities related to the Project are implemented in compliance with the laws of the Recipient and other laws applicable to it, including but not limited to intellectual property law, if and to the extent any such laws maybe applicable to it.	Being complied	
	Financial						
		Loan 3661	Schedule 5	13	Counterpart Support. The Borrower shall ensure that counterpart support necessary for the Project is provided on a timely basis.	Being Complied	
1		Loan 3661	Schedule 5	14	The Borrower shall ensure that all completed Subprojects have adequate funds for operation and maintenance allocated to them on a yearly basis and made available on a timely basis. The Borrower shall further ensure that the farmer water user communities and water use groups collect irrigation service fees to sustain the operation and maintenance of distribution canals in accordance with the Borrower's decree on farmer water user communities.	To be complied with	Not due yet
2		Loan 8346	Schedule 4	4	4. The Borrower shall enable ADB's representatives to inspect the Project, the Goods and Works, and any relevant records and documents.	Being with Complied	Inception mission verified office equipment and goods delivered to

No	Covenant	Loan Agreement Reference				Compliance Status	Remarks/Issues
		Product	Schedule	Para No.	Description		
							EA/IAs
3		Loan 8346	Schedule 4	4	3. ADB's obligation to disburse any amount from the Loan Account shall be subject to ADB's receipt of a corresponding amount from GCF in accordance with the terms of the AMA and the FAA.	Comply	Agreed.
4		Loan 8346	Schedule 4	4	2(c) The Borrower shall enable ADB, upon ADB's request to discuss the financial statements for the Project and the Borrower's financial affairs where they relate to the Project with the auditors appointed pursuant to subsection (a), (iii) herein above, and shall authorize and require any representative of such auditors to participate in any such discussions requested by ADB. This is provided that such discussions shall be conducted only in the presence of an authorized officer of the Borrower, unless the Borrower shall otherwise agree.	Being with Complied	Third Financial Audit for the year 2021 was conducted in February'2022. Report has been submitted to ADB in June 2022.
		Loan 8346	Schedule 4	4	1. In the carrying out of the Project and operation of the Project facilities, the Borrower shall perform, or cause to be performed, all obligations set forth in the Ordinary Operations [Concessional] Loan Agreement.	Being complied with	
5		Loan 8346	Schedule 4	4	2(b) ADB shall disclose the annual audited financial statements for the Project and the opinion of the auditors on the financial statements within 14 days of the date of ADB's confirmation of their acceptability by posting them on ADB's website.	Being with Complied	

No	Covenant	Loan Agreement Reference				Compliance Status	Remarks/Issues
		Product	Schedule	Para No.	Description		
6		Loan 8346	Schedule 4	4	2(a) The Borrower shall cause the Project Executing Agency to (i) maintain separate accounts and records for the Project; (ii) prepare annual financial statements for the Project in accordance with financial reporting standards acceptable to ADB; (iii) have such financial statements audited annually by independent auditors whose qualifications, experience and terms of reference are acceptable to ADB, in accordance with auditing standards acceptable to ADB; (iv) as part of each such audit, have the auditors prepare a report, which includes the auditors' opinion(s) on the financial statements and the use of the Loan proceeds and a management letter (which sets out the deficiencies in the internal control of the Project that were identified in the course of the audit, if any); and (v) furnish to ADB, no later than 6 months after the end of each related fiscal year, copies of such audited financial statements, audit report and management letter, all in the English language, and such other information concerning these documents and the audit thereof as ADB shall from time to time reasonably request.	Being with Complied	Being complied. Separate accounts established. 3rd annual audited project financial statement reports for FY2021 submitted in June 2022.
7		Loan 8346	Schedule 4	5	5(c) Without limiting the generality of the foregoing, the Borrower shall furnish to ADB periodic reports on the execution of the Project, on the accomplishment of the targets and actions agreed between ADB and the Borrower, and on the operation and management of the Project facilities. Such reports shall be submitted in such form and in such detail and within such a period as ADB shall reasonably request, and shall indicate, among other things, progress made and problems encountered during the period under review, steps taken or proposed to be taken to remedy these problems, and proposed program of activities and expected Progress during the following period.	Being complied with	Progress reports have been submitted every quarter
8		Loan 8346	Schedule 4	5	9. Contractors and Consultants. In the carrying out of the Project, the Borrower shall cause competent and qualified consultants and contractors, acceptable to the Borrower and ADB, to be employed to an extent and upon terms and conditions satisfactory to the Borrower and ADB.	Being Complied	Some CS2 non key experts still not mobilized.

No	Covenant	Loan Agreement Reference				Compliance Status	Remarks/Issues
		Product	Schedule	Para No.	Description		
9		Loan 8346	Schedule 4	5	5. Reports. (a) The Borrower shall furnish, or cause to be furnished, to ADB all such reports as ADB shall reasonably request concerning (i) the Loan, and the expenditure of the proceeds and maintenance of the service thereof; (ii) the goods, services and other items of expenditure financed out of the proceeds of the Loan; (iii) the Project and the Project Executing Agency; (iv) the administration, operations and financial condition of the Borrower; and (v) any other matters relating to the purposes of the Loan.	Being with Complied	Being complied with. Final inception report was submitted to ADB on 15 Feb 2020. Progress reports have been submitted every quarter.
10		Loan 8346	Schedule 4	5	3(b) Without limiting the generality of the foregoing, the Borrower undertakes to insure, or cause to be insured, the goods to be imported for the Project and to be financed out of the proceeds of the Loan against hazards incident to the acquisition, transportation and delivery thereof to the place of use or installation, and for such insurance any indemnity shall be payable in a currency freely usable to replace or repair such goods.	Being with Complied	Being complied.
11		Loan 8346	Schedule 4	5	2. Negative Pledge. (a) If the Borrower shall create or permit the creation of any lien on any of its assets as security for any foreign currency debt, the Borrower undertakes to expressly provide that such lien will ipso facto equally and ratably secure the payment of the principal of, and service charge on, the Loan. If any statutory lien shall be created on any assets of the Borrower (as hereinafter defined), as security for any foreign currency debt, the Borrower shall grant to ADB an equivalent lien satisfactory to ADB.	Being with Complied	Agreed
12		Loan 8346	Schedule 4	5	(b) The Borrower shall afford all reasonable opportunity for ADB's representatives to visit any part of its territory for purposes related to the Loan.	Complied with	Agreed.
13		Loan 8346	Schedule 4	5	2.b. The provisions of paragraph (a) of this Section shall not apply to (i) any lien created on property, at the time of purchase thereof, solely as security for payment of the purchase price of such property; or (ii) any lien arising in the ordinary course of banking transactions and securing a debt maturing not more than one year after its date.	Being with Complied	Agreed.

No	Covenant	Loan Agreement Reference				Compliance Status	Remarks/Issues
		Product	Schedule	Para No.	Description		
14		Loan 8346	Schedule 4	5	3. Insurance. (a) The Borrower shall take out and maintain with responsible insurers, or make other arrangements satisfactory to ADB for, insurance against such risks and in such amounts as shall be consistent with sound practice. The Borrower shall be deemed to have opted for self- insurance in the absence of any specific insurance for the Project.	Being with Complied	Being complied.
15		Loan 8346	Schedule 4	5	2.c. The term "assets of the Borrower" as used in paragraph (a) of this Section includes assets of any political subdivision or any agency of the Borrower and assets of any agency of such political subdivision, and assets of any entity owned or controlled by, or operating for the account or benefit of, the Borrower or any such political subdivision or agency, including any other institution performing the functions of a central bank for the Borrower.	Being with Complied	Agreed.
16		Loan 8346	Schedule 4	5	5(b) The Borrower shall promptly inform ADB of any condition which interferes with, or threatens to interfere with, the progress of the Project, the performance of their respective obligations under the Loan Agreement, the accomplishment of the purposes of the Loan, or the maintenance of the service thereof; and the Borrower shall promptly inform ADB in advance of any proposed changes in the ownership or control of the Borrower or its assets, or any transaction or arrangement which will have or is likely to have such effect.	Being Complied	In April 2022 a decision was made on the implementation of the ponds and drip irrigation
17		Loan 8346	Schedule 4	5	8(b) The Borrower shall ensure that the activities of its departments and agencies with respect to the carrying out of the Project and operation of the Project facilities are conducted and coordinated in accordance with sound Administrative policies and procedures.	Being with Complied	
18		Loan 8346	Schedule 4	5	8. General Undertakings. (a) The Borrower shall cause the Project to be carried out with due diligence and efficiency and in conformity with sound financial, business and development practices. The Borrower shall in collaboration with ADB ensure that the Project adheres to ADB policies on anticorruption, core labor standards, environmental and social safeguards, gender, procurement and consulting services, disbursement and such other policy specified in the Loan Agreement.	Being Complied	Being complied.

No	Covenant	Loan Agreement Reference				Compliance Status	Remarks/Issues
		Product	Schedule	Para No.	Description		
19		Loan 8346	Schedule 4	5	7. Work Schedules, Plans and Design Standards. The Borrower shall cause the Project to be carried out in accordance with plans, design standards, specifications, work schedules and construction methods acceptable to the Borrower and ADB, as applicable. When required by ADB, the Borrower shall furnish, or cause to be furnished, to ADB, promptly after their preparation, such plans, design standards, specifications and work schedules, and any material modifications subsequently made therein, in such detail as ADB shall reasonably request.	Being Complied	AWP 2023 submitted mid December 2022
20		Loan 8346	Schedule 4	5	6. Counterpart Obligations and Land Acquisition. The Borrower shall make available, promptly as and when needed, the funds, facilities, services, land, and other resources as shall be necessary or required, in addition to the proceeds of the Loan, for the carrying out of the Project and for the operation and maintenance of the Project facilities. The Borrower shall furnish to ADB, promptly at its request, evidence satisfactory to ADB that such funds, facilities, services, land, and other resources are available for purposes related to the Project.	Being Complied	To be complied.
21		Loan 8346	Schedule 4	5	5(d) Promptly after completion of the Project, but in any event not later than three months thereafter or such later date as may be agreed for this purpose between the Borrower and ADB, the Borrower shall prepare and furnish to ADB a report, in such form and in such detail as ADB shall reasonably request, on the execution and initial operation of the Project, including its cost, the performance by the Borrower of its obligations under this Loan Agreement and the accomplishment of the purposes of the Loan.	To be complied	To be complied.
22		Loan 8346	Schedule 4	5	4. Records, Financial Statements and Audits. The Borrower shall maintain, or cause to be maintained, records and financial statements adequate to identify the goods, services and other items of expenditure financed under the Project; to record the progress of the Project (including the cost thereof and); to reflect, in accordance with consistently maintained sound financial reporting principles, the operations and financial condition of the Project; and to have the financial statements audited. Related requirements shall be specified in the Loan Agreement.	Being Complied	Third Financial Audit for the year 2022 was conducted in March 2023. Report will be available in June 2023.

No	Covenant	Loan Agreement Reference				Compliance Status	Remarks/Issues
		Product	Schedule	Para No.	Description		
23		Loan 8346	Schedule 4	5	10. Maintenance. The Borrower shall ensure that any facilities relevant to the Project are operated, maintained and repaired in accordance with sound operational and maintenance practices. The Borrower shall promptly as need, make or cause to be made all necessary repairs and renewals thereof.	To be Complied	To be complied.
24		Grant 0579	Schedule 2	2	Without limiting the generality of Section 5.01(a) of the Grant Regulations, the Recipient shall refund, or procure and refund, any unused Grant proceeds to ADB, and shall impose similar refund requirements on its counterparties involved in the Project.	To be complied	Agreed.
25		Grant 0579	Schedule 2	4	In addition to the audit requirement under Section 4.02 of this Grant Agreement, the Recipient acknowledges and agrees that ADB has the right to conduct financial audits of the Project, by an external auditor selected by ADB, if GCF has a concern as to the manner in which the Grant proceeds have been used; and shall fully cooperate with such audit. The Recipient shall bear the reasonable cost of such audit, if the audit finds that the Grant proceeds have not been used according to this Grant Agreement.	Being Complied	Agreed.
26	Sector	Grant 0579	Sched 2	6	The Recipient shall ensure that the activities related to the Project are implemented in compliance with the laws of the Recipient and other laws applicable to it, including but not limited to intellectual property law, if and to the extent any such laws maybe applicable to it.	Being complied	
27	Financial	Grant 0579	Schedule 4	1	In the carrying out of the Project and operation of the Project facilities, the Recipient shall perform, or cause to be performed, all obligations set forth in Schedule 2 to this Grant Agreement and Schedule 5 to the Ordinary Operations [Concessional] Loan Agreement.	Being Complied	
28		Grant 0579	Schedule 4	2	(b) ADB shall disclose the annual audited financial statements for the Project and the opinion of the auditors on the financial statements within 14 days of the date of ADB's confirmation of their acceptability by posting them on ADB's website.	To be complied with	The Financial Audit for the year 2022 was conducted in March 2023. Report will be submitted to ADB in June 2023.

No	Covenant	Loan Agreement Reference				Compliance Status	Remarks/Issues
		Product	Schedule	Para No.	Description		
29		Grant 0579	Schedule 4	2	(a) The Recipient shall cause the Project Executing Agency to (i) maintain separate accounts and records for the Project; (ii) prepare annual financial statements for the Project in accordance with financial reporting standards acceptable to ADB; (iii) have such financial statements audited annually by independent auditors whose qualifications, experience and terms of reference are acceptable to ADB, in accordance with auditing standards acceptable to ADB; (iv) as part of each such audit, have the auditors prepare a report, which includes the auditors' opinion(s) on the financial statements and the use of the Grant proceeds, and a management letter (which sets out the deficiencies in the internal control of the Project that were identified in the course of the audit, if any); and (v) furnish to ADB, no later than 6 months after the end of each related fiscal year, copies of such audited financial statements, audit report and management letter, all in the English language, and such other information concerning	Being Complied	Being complied. Separate accounts established. 4rd annual audited project financial statement reports for FY2022 will be submitted in June 2023.
30		Grant 0579	Schedule 4	2	(c) The Recipient shall enable ADB, upon ADB's request, to discuss the financial statements for the Project and the Recipient's financial affairs where they relate to the Project with the auditors appointed pursuant to subsection (a)(iii) herein above, and shall authorize and require any representative of such auditors to participate in any such discussions requested by ADB. This is provided that such discussions shall be conducted only in the presence of an authorized officer of the Recipient, unless the Recipient shall otherwise agree.	Being Complied	Fourth Financial Audit for the year 2022 was conducted in March'2023. Report will be submitted to ADB in June 2023.
31		Grant 0579	Schedule 4	4	The Recipient shall enable ADB's representatives to inspect the Project, the Goods and Works, and any relevant records and documents.	Being Complied	Inception mission verified office equipment and goods delivered to EA/IAs

No	Covenant	Loan Agreement Reference				Compliance Status	Remarks/Issues
		Product	Schedule	Para No.	Description		
32		Grant 0579	Schedule 4	4	The Recipient acknowledges and agrees that this Grant Agreement is entered into by ADB, not in its individual capacity, but as trustee of GCF. Accordingly, the Recipient agrees that (a) it may only withdraw Grant proceeds to the extent that ADB has received proceeds for the Grant from GCF, and (b) that ADB does not assume any obligations or responsibilities of GCF in respect of the Project or the Grant other than those set out in this Grant Agreement.	Being Complied	Confirmed.
	Safeguards						
33	Safeguards	Loan A661	Schedule 5	2	Environment. The Borrower shall ensure that the preparation, design, construction, implementation, operation and decommissioning of the Project, each Subproject and all Project facilities comply with (a) all applicable laws and regulations of the Borrower relating to environment, health and safety; (b) the Environmental Safeguards; (c) the EARF; and (d) all measures and requirements set forth in the respective IEE, EMP, and any corrective or preventative actions set forth in a Safeguard Monitoring Report. The Borrower shall ensure that no Subproject categorized as Category A under the SPS is financed under the Project.	being complied	
34		Loan 3661	Schedule 5	3	Land Acquisition and Involuntary Resettlement. The Borrower shall ensure that all land and all rights-of- way required for the Project, each Subproject and all Project facilities are made available to the Works contractor in accordance with the schedule agreed under the related Works contract and all land acquisition and resettlement activities are implemented in compliance with (a) all applicable laws and regulations of the Borrower relating to land acquisition and involuntary resettlement; (b) Involuntary Resettlement Safeguards; (c) the RF; and (d) all measures and requirements set forth in the respective RP, and any corrective or preventative actions set forth in a Safeguard Monitoring Report. The Borrower shall ensure that no Subproject categorized as Category A under the SPS is financed under the Project.	being complied	In 2020, the ADB recruited a Fourth Party to verify the land donations for the Category C irrigation scheme Trapeang Run. For AWP 2023 are the arrangements still not sure how this Fourth-party verification will

No	Covenant	Loan Agreement Reference				Compliance Status	Remarks/Issues
		Product	Schedule	Para No.	Description		
							be arranged. There are no category A subprojects included in the project.
35	Safeguards	Loan 3661	Schedule 5	4	Without limiting the application of the Involuntary Resettlement Safeguards, the RF or the RP, the Borrower shall ensure that no physical or economic displacement takes place in connection with the Subprojects until: (a) compensation and other entitlements have been provided to affected people in accordance with the RP; and (b) a comprehensive income and livelihood restoration program has been established in accordance with the RP.	Being complied	First package under advance action was put on hold until the project implementation consulting firm revisited the site and validate that there is minimal acquisition of land and no displacement of any structures.
36	Safeguards	Loan 3661	Schedule 5	5	Indigenous Peoples. The Borrower shall ensure that the preparation, design, construction, implementation and operation of the Project, each Subproject and all Project facilities comply with (a) all applicable laws and regulations of the Borrower relating to indigenous people; (b) the Indigenous Peoples Safeguards; (c) the EMDF; and (d) all measures and requirements set forth in the respective IPP, and any corrective or preventative actions set forth in a Safeguards Monitoring Report. The Borrower shall ensure that no Subproject categorized as Category A under the SPS is financed Project.	Being complied with	There are no category A subprojects included in the project.

No	Covenant	Loan Agreement Reference				Compliance Status	Remarks/Issues
		Product	Schedule	Para No.	Description		
37	Safeguards	Loan 3661	Schedule 5	6	Human and Financial Resources to Implement Safeguards Requirements. The Borrower shall make available necessary budgetary and human resources to fully implement any EMP, RP and IPP.	Being complied	
38	Safeguards	Loan 3661	Schedule 5	7	Safeguards - Related Provisions in Bidding Documents and Works Contracts. The Borrower shall ensure that all bidding documents and contract for works contain provisions that require contractors to: comply with the measures and requirements relevant to the contractor set forth in the IEEs, the EMPs, the RPs and the IPPs (to the extent they concern impacts on affected people during construction), and any corrective or preventative actions set forth in a Safeguard Monitoring Report; make available a budget for all such environmental and social measures; 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, the RPs and the IPPs; adequately record the condition of roads, agricultural land and other infrastructure prior to starting to transport materials and construction; and fully reinstate pathways, other local infrastructure, and agricultural land to at least their pre-project condition upon the completion of construction.	Being Complied	First invitation for bids for civil works have been issued in April 2020.
39	Safeguards	Loan 3661	Schedule 5	8	Safeguard Monitoring and Reporting. The Borrower shall do the following: submit semi-annual Safeguards Monitoring Reports to ADB and disclose relevant information from such reports to affected persons promptly upon submission; 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, the RPs, and the IPPs, promptly inform ADB of the occurrence of such risks or impacts, with detailed description of the even and proposed corrective action plan in accordance with the SPS; and	To be complied with	Semi-annual safeguards monitoring reports are submitted on-time

No	Covenant	Loan Agreement Reference				Compliance Status	Remarks/Issues
		Product	Schedule	Para No.	Description		
					report any actual or potential breach of compliance with the measures and requirements set forth in the EMPs, the RPs or the IPPs promptly after becoming aware of the breach.		
40	Safeguards	Loan 3661	Schedule 5	9	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.	Being Complied	
41	Safeguards	Loan 3661	Schedule 5	10	Labor Standards, Health and Safety. The Borrower shall ensure that the core labor standards and the Borrower's applicable laws and regulations are complied with during Project implementation. The Borrower shall include specific provisions in the bidding documents and contracts financed by ADB under the Project requiring that the contractors, among others, (a) comply with all applicable labor laws and regulations of the Borrower; (b) do not use child labor; (c) do not discriminate workers in respect of employment and occupation; (d) do not use forced labor; and (f) disseminate information on the risks of sexually transmitted diseases, including HIV/AIDS, to the employees of contractors engaged under the Project and to members of the local communities surrounding the Project areas, particularly women.	Being Complied	
42	Safeguards	Loan 3661	Schedule 5	11	The Borrower shall strictly monitor compliance with the requirements set forth in this paragraph and provide ADB with regular reports.	Being Complied	Being complied.
		Loan 3661	5	12	Gender and Development. The Borrower shall ensure that the (a) GAP is implemented in accordance with its terms; (b) the bidding documents and contracts include relevant provisions for contractors to comply with the measure set forth in the GAP; (c) adequate resources are allocated for implementation of the GAP; and (d) progress on implementation of the GAP, including progress toward achieving key gender outcome and output targets are regularly monitored and reported to ADB.	Being with Complied	In Sept 2021 was the GAP changed/modified by the ADB
Governance and anti-corruption							

No	Covenant	Loan Agreement Reference				Compliance Status	Remarks/Issues
		Product	Schedule	Para No.	Description		
43		Loan 3661	Schedule 5	16	Governance and Anticorruption. The Borrower shall (a) comply with ADB's anticorruption Policy (1998, as amended to date) and acknowledge that ADB reserves the right to investigate directly, or through its agents, any alleged corrupt, fraudulent, collusive or coercive practice relating to the Project; and (b) cooperate with any such investigation and extend all necessary assistance for satisfactory completion of such investigation.	Being Complied	
44		Loan 3661	Schedule 5	17	The Borrower shall ensure that the anticorruption provisions acceptable to ADB are included in all bidding documents and contracts, including provisions specifying the right of ADB to audit and examine the records and accounts of the executing agency and all contractors, suppliers, consultants, and other service providers as they relate to the Project.	Being Complied	
45		Loan 3661	Schedule 5	18	The Borrower shall disclose, through its website, accessible by general public, information about various matters concerning the Project, including general Project information, procurement, Project progress, and contact details in the English and Cambodian languages, as applicable. The website shall also provide a link to ADB's integrity office for reporting to ADB any grievances or allegations of corrupt practices arising out of the Project and Project activities. With regard to procurement, the website shall include: (a) the list of participating bidders; (b) the name of the winning bidder; (c) the amount of the contracts awarded; (d) basic details on bidding procedures adopted; and (e) the lists of goods, works and services procured	Being Complied	
46		Grant 0579	Schedule 2	1	The Recipient acknowledges and agrees that the Recipient has no right of action, whether in contract, nor or under statute to the extent permitted by law, against GCF in respect of the ADB Green Climate Fund, the Project or any loss or damage arising out of ADB's acts or omissions, or the acts of omissions of its officers, employees, agents or consultants under, or in connection with, this Grant Agreement.	Being Complied	
47		Grant 0579	Schedule 2	3	The Recipient shall fully cooperate with ADB regarding any reviews, ad hoc checks, verifications or evaluations by GCF	Being Complied with.	

No	Covenant	Loan Agreement Reference				Compliance Status	Remarks/Issues
		Product	Schedule	Para No.	Description		
48		Grant 0579	Schedule 2	5	The Recipient shall ensure that all necessary and applicable licenses, approvals and consents, including those relating to intellectual property, to implement and carry out the Project and operate the Project facilities are valid for the duration of the Project.	To be complied	
49		Grant 0579	Schedule 2	7	The Recipient shall endeavour to acknowledge the visual identity of GCF in funding the Project (e.g., through use of the GCF logo, in accordance with GCF's branding guidelines, and appropriate references in reports, publications, information given to beneficiaries and news media, related publicity materials and any other forms of public information and the displaying of the GCF logo on the site of any infrastructure works). Any branding activities in support of GCF shall comply with GCF's branding guidelines and be and reviewed by the GCF Secretariat.	Being Complied with	
	Others						
50		Loan 3661	Schedule 5	1	Implementation arrangements. The Borrower shall ensure that the Project is implemented in accordance with the detailed arrangements set forth in the PAM. Any subsequent change to the PAM 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	To be complied with	

Appendix 3: Performance Against DMF

Results Chain	Performance Indicators	Items	Unit	Baselines (2017)	Targets (2026)	Progress as of Q4 2023	Remarks (for the current quarter)
Outcome:	By 2026						
Productive and resource efficient agribusiness value chains developed in project areas	a. At least 15% increase in yields (2017 baseline: rice 2.7 tons, maize 4 tons, cassava 20 tons and mango 15 tons/ha).	Rice yield	tons/ha	2.70	3.11	0	not yet due
		Maize yield	tons/ha	4.00	4.60	0	not yet due
		Cassava yield	tons/ha	20.00	23.00	0	not yet due
		Mango yield	tons/ha	15.00	17.25	0	not yet due
	b. GHG emissions reduced (CO2)	CO2	tons	-	240,000	0	not yet due
	c. At least 50 agribusinesses become more resource efficient in terms of water savings (5-10% efficiencies); energy savings (20%); and reduction in post-harvest losses (10%) (2017 baseline: 0).	water savings (5-10% efficiencies)		-		0	not yet due
		energy savings (20%)		-		0	not yet due
		reduction in post-harvest losses (10%)		-		0	not yet due
Outputs:	By 2024						
1. Critical agribusiness value chain infrastructure improved and made climate resilient	1a. 27 irrigation and water management systems targeting 15,000 ha and 25,000 households (with at least 50,000 women) rehabilitated and made climate resilient (2017 baseline: 0).	Schemes	#	0	27	9	Completed construction 9 schemes=3,250Ha
		Command areas	ha	0	15,000	3,250	Based on DED
		Household	#	0	25,000	3195	Based on DED
		Women	#	0	50,000	8795	Based on DED
	1b. 800 on-farm rainwater harvesting ponds commissioned (2017 baseline: 0).	Ponds	#	0	800	0	278 completed DED and already awarded contract
	1c. At least 250 km of farm road networks upgraded to climate standards to improve connectivity	Farm road networks	Km	0	250	67.29	272 km completed DED, 67.29 km completed

	of farms to cooperatives and markets (2017 baseline: 0).						construction
	1d. 80 agricultural cooperatives integrated adaptation measures in post-harvest infrastructure investments (2017 baseline: 5).	agricultural cooperatives	#	5	80	80	80 ACs Completed construction 100%
	1e. Crop product quality and safety testing infrastructure in National Agricultural Laboratory upgraded to test 1500 samples (2017 baseline: 700) and generate service income more than \$75,000 (2017 baseline: \$0).	Test sample	#	700	1500	0	
		Generate service income	\$	0	\$ 75,000	0	Lab renovation: construction completed, Net-house: construction is completed 100%
	1f. 6,000 additional biodigesters and 6,000 compost huts made operational benefitting at least 80,000 persons, including at least 50% women beneficiaries, due to improved household air quality (2017 baseline: 11,468 persons, including 5,721 women).	biodigesters	#	-	6,000	69	The project identified 4,156 farmers of which 2,087 farmers are female for the potential to build the Biodigester; 69 biodigester demonstration construction completed and functioning with (332 beneficiaries (172 F).
		compost huts	#	-	6,000	69	The project identified 4,156 farmers of which 2,087 farmers are female for the potential to build the Compost hut ; 69 compost-hut

							construction completed with (345 beneficiaries (186F).	
		operational benefitting	Person	11,468	80,000	35,895	for both bio-digesters and compost-huts	
		Women	Women	5,721	40,000	16,915	for both bio-digesters and compost-huts	
2. Climate smart agriculture and agribusiness promoted	2a. Three additional climate resilient varieties of rice and maize released (2017 baseline: 0)	Rice	varieties	0	2	1	o One rice variety, named Champeisar70 are released in 2023 for farmers' demonstration in CFAVC Project	
		maize	varieties	0	1	0		
	2b. 40,000 farmers (of whom 16,000 are women) trained in CSA and agribusiness development skills, of which 50% are SRP compliant with direct links to millers and exporters (2017 baseline for SRP compliance: 0).	farmers trained in CSA and agribusiness development skills	farmers			40,000	16,116	
		farmers trained in CSA and agribusiness development skills	women			16,000	7,757	
		50% are SRP compliant with direct links to millers and exporters	farmers					
	2c. 27 FWUCs/FWUGs made operational and 500 FWUC/FWUG members (of which 30% women) developed capacity to operate and maintain their irrigation schemes (2017 baseline: 0).	FWUCs/FWUGs made operational	FWUCs/FWUGs	0		27	17	17 completed (FWUCs already established), 10 not yet started
		FWUC/FWUG members (representatives) developed capacity to operate and maintain their irrigation	persons	0		500	369	369 FWUCs representatives of out 500 FWUCs have been trained

		schemes					106 courses
		30% women FWUC/FWUG members (representatives) developed capacity to operate and maintain their irrigation schemes	Women	0	150		
	2d. 4 provincial agricultural development centers and 4 engineering workshops made fully operational to provide agribusiness services and strengthen farmer value chain linkages (2017 baseline: 0).	provincial agricultural development centers	#	0	4	4	4 completed construction
		engineering workshops	#	0	4	4	4 completed construction
3. Enabling environment for climate friendly agribusiness enhanced	3a. Climate-smart and gender-responsive agribusiness policy for target commodities, including a PPP framework focusing on agribusinesses formulated (2017 baseline: 0)	Draft of Climate Smart and Gender Responsive Agrib-policy	Policy	0	1	0.5	
		Draft CSA policy	Policy	0	1	0.5	
		Draft guidance manual for climate neutrality and adaption for agribusiness operation	Prakas	0	1	0.5	
		Draft IDP strategy for climate friendly agribusiness		0	1	0.65	
		Draft PPP framework formulated	Framework	0	1	0.3	
	3b. CAMGAP for tropical fruit and organic fertilizers endorsed as national standard for tropical fruit and organic fertilizers (2017 baseline: 0).	Guidance manual for climate neutrality and adaptation standards for agribusiness operation	Strategy	0	1	1	
		Climate-friendly become more widely utilized with eight of largest Cambodia millers/exporters being part of alliance	Rice miller	0	8	1	
Standards on CamGAP tropical		Standard	0	1	0.5		

		fruit formation					
		Development of standards for organic fertilizer	Standard	0	1	1	
		Development of IDP strategies for climate friendly agribusiness	Strategy	0	1	0.75	
		National standards on biodigester development	Standard	0	1		
		Socialize GAP Standards for tropical fruit	No	0	2	0.2	
3c. 50 staff, including 30% women, from financial institutions trained in CSA and green finance (2017 baseline: 0).	Implementation of training on green finance in CSA	Staff		0	50	26	Identified: 50 Bank/MFI
		Women		0	15	6	
	Implementation training in green finance	Staff		0	50	26	
		Women		0	15	6	
3d. 30 agribusinesses, including 30% women-led and/or owned,*** trained on green finance and CSA (2017 baseline: 0).	Implementation of training on green finance in CSA	Staff		0	30	6	- Identified: 30 ACs/ Agribusiness - Delivery training: 17 completed (Total participants: 301, Female: 147)
		Women		0	9	0	
	Implementation training in green finance	Staff		0	30	6	
		Women		0	9	0	
3e. 20,000 households, including 20,000 women, provided with information on climate risk sharing instruments (2017 baseline: 0).	Implementation of training on green finance in CSA	HHs		0	20,000	672	
		Women		0	20,000	302	
3f. ICT platform for climate friendly agribusiness established in Kampong Cham province (2017 baseline: 0).	Development of ICT	No		0	1	0	design phase
	Purchase of equipment	No		0	1	0	Inception phase
	Installation of the center	No		0	1	0	Inception phase

Appendix 4: Progress of Gender Action Plan (GAP)

Date of Update: 31 Jan. 2024

Project Title	: Climate-Friendly Agribusiness Value Chains Sector Project (CFAVC)
Country	: Cambodia
Project No	: 48409-002
Type of Project (Loan/Grant/TA)	: Loan No. 3661-CAM (COL) / 8346 (EF) and Grant No. 0579 – CAM (EF)
Approval and Timeline	: 29 June 2018 approval and signing: 06 July 2018 closing date: 31 Mar. 2025 and revised to 30 September 2026.
Gender Category	: Effective Gender Mainstreaming (EGM)
Project Director	: Dr. Sam Chhom Sangha – MAFF, H.E. Chan Sinath – MOWRAM, and H.E. Chan Darong – MoRD.
Project Officer	: Dr. Srinivasan Ancha, Principal Climate Change Specialist, ADB HQ.
Project Impact	: Agricultural Competitiveness Improved
Project Outcome	: Productive and resource-efficient agribusiness value chain developed in the project areas.

The project is category of Effective Gender Mainstreaming – EGM. The Gender Action Plan Monitoring Table has 14 Targets/indicators and 7 Activities; To promote gender equality and women’s empowerment through enhancing women’s capacity in CSA production and processing, management and business, agricultural machinery use and maintenance, accessing and using financing and crop insurance, and through strengthening linkages between women-led enterprises and the agribusiness industry.

Progress of GAP implementation updated by the Project Quarterly Reports of the year 2023 and added more information and data as of 31 Jan. 2024.

- **14 Target and Indicators are on track.**
- **7 Actions were on track.**

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: Critical agribusiness value chain infrastructure improved and made climate resilient		
Women’s time poverty and drudgery reduced through the provision of improved time-saving and gender-responsive infrastructure. OP 2.4		

<p>27 irrigation and water management systems targeting 15,000 ha and 25,000 households (with at least 50,000 women) rehabilitated (2017 baseline: 0) (DMF 1a OP 2.5.2)</p> <p>Target 1: On Track</p> <p>Responsibilities: PMU MAFF (lead) and PPIUs; MOWRAM; MRD; WFN; Design engineers Time frame: Q1 Y2 - Q4 Y4</p>	<p>Batch I - 9 sub-projects constructed completed (100%).</p> <ol style="list-style-type: none"> 1. Land 3,250 hectares implemented for 21.67% in progress. 2. Households 4,238HHs implemented for 16.95% in progress. 3. Women 7,918 females (15.84% in progress) out of total population 16,573 persons for these 9 sub-projects implemented. <p>Batch II-III 10+8 sub-projects survey and Topo. Reserve 2 sub-projects.</p> <p>These irrigation systems expected to irrigate and benefits to:</p> <p>Land 14,769 hectares (98.46%). Households of 18,913 HHs (75.65%). Women of 46,528 persons of 93.06%. Total population of 84,291 people.</p>	<p>Issue:</p> <p>Action: NGS works closely with all MOWRAM PMU to regular visit and collect the data on recent actual household and women who benefit from the irrigation systems.</p>
<p>6,000 additional biodigesters and 6,000 compost huts made operational, benefiting at least 40,000 persons, including at least 50% women, due to better air quality. (2017 baseline beneficiaries: 11,468 persons including 5,721 women). (DMF 1f. OP 2.4.1)</p> <p>Target 2: On Track</p> <p>Responsibilities: PMU MAFF (lead) &PPIUs; GDAHP Time frame: Q1 Y2– Q4 Y4</p>	<p>Biodigesters:</p> <p>35,895 farmers have been trained and received information about biodigesters, 16,915 women of 47%). 4,156 farmers have identified for potential to build the biodigesters with 2,087 females of 50.22%. Key farmers who have intended to buy biodigesters 1078 HHs (18%). The key farmers have interested ongoing 598 households 9.96%. The 69 biodigesters construction completed and functioning 332 farmers, 172 females of</p> <p>Compost-hut:</p> <p>35,895 farmers (female =16,915 (47%) have been trained and received information about Compost hut and its benefit (bio-slurry use and management) in Training and Capacity Building, Promotion and marketing, Monitoring and evaluation and Innovation, and Value Chain Improvement activities. The project identified 4,156 farmers of which 2,087 farmers of 50.22% are female for the potential to build the compost hut. The key farmer who has intended to buy: ongoing 17% (1,078 HHs) The key farmer who is interested: ongoing 9.96% (598 HHs) Research, development, pilot, and use of the compost hut: The 69 compost-hut constructed/completed 332 persons, 172 females of 51.81%. The 61 demos for integrated farming demonstrations and training</p>	<p>Issue: Slow progress of biodigesters and compost-huts construction compared to the target.</p> <p>Action: PMU MAFF intensifies the promotion campaign and procurement to engage more people and especially the women to purchase and operate the biodigesters and compost-huts.</p>

	<p>were completed 242 persons, 122 females of 50.41%.</p>	
<p>Women comprise at least 40% of participants in consultation and planning activities, including participants from the Women Farmers Network, on the gender-responsiveness and climate resiliency of critical project infrastructure (aggregate basis). (2017 baseline: 30% female participation).</p> <p>Target 3: On Track</p> <p>Responsibilities: PMU MAFF (lead) and PPIUs; MOWRAM; MRD; WFN; Design engineers Time frame: Q1 Y2 - Q4 Y4</p>	<p>Totally, there were 2,144 times in years 2020-2023 in the consultative meetings trainings, workshops and demos with local community people on different sub-projects 54,989 people, 23,915 women of 43.49%.</p> <p>PMUs and PPIUs conducted the consultative meetings, trainings, workshops and demos for year 2023 with 233 times in different sub-projects 3,555 persons, 1,107 females of 31.14%.</p> <p>PMUs and PPIUs conducted the consultative meetings, trainings, workshops and demos for year 2022 with 1,145 times in different sub-projects 30,463 persons, 13,521 females of 44.38%.</p> <p>PMUs and PPIUs conducted the consultative meetings, trainings, workshops and demos for year 2021 with 294 times in different sub-projects 9,361 persons, 4,305 females of 45.99%.</p> <p>PMUs and PPIUs conducted the consultative meetings, trainings, workshops and demos for year 2020 with 420 times in different sub-projects 9,786 persons, 4,377 females of 44.73%.</p> <p>For three reports of Social Monitor Report July -Dec. 2022, Initial Environment Exam 21-22 Sept. 2023 and Nov. 2023 (17-29 Oct. 2022) for 31 meetings 1,004 persons, 387 females of 38.55%.</p> <p>For five field trips of national and provincial gender focal points meeting in field trips include ADB MTR in Sept.-Dec. 2023 and Jan. 2024 for 25 meetings 918 persons, 256 females of 27.89%.</p> <p>Provincial Gender Focal Points conducted training in the sub-national level at the ACs board management in year 2022-2023 with 47 times, 1,877 persons, 988 females of 52.64%.</p>	<p>Issue: Number of consulted women for different subprojects are less than 40%.</p> <p>Action: NGS works closely with PMUs (MAFF, MRD and MOWRAM) to advise the increase of women's participation in remaining community consultations on sub-projects.</p>

<p>At least 25% of workdays created by project activities will be awarded to women.</p> <p>Target 4: On Track</p> <p>Responsibilities: PMU MAFF (lead) and PPIUs; MOWRAM; MRD; contractors of civil works Time frame: Q1 Y2 - Q4 Y6</p>	<p>Total 17 contracts 8,641 persons, 2,507 females of 29.01% with 260,948 workdays, has been awarded to women 67,899 workdays created by project to women of 29.01%. These workdays created for women from the MAFF eight contracts, MOWRAM four contracts and MRD five contracts of 17 contracts for the four provinces as follows: MOWRAM 9 irrigation systems construction are completed. MOWRAM has 2,335 persons, 747 females of 31.99% and has created 69,727 workdays and has awarded to women for 4,434 workdays 34.16%.</p> <p>MRD with 71.10 km of 250km of frame road were upgraded to climate resilient standard to improve connectivity to cooperatives and market (DBST and Concrete road) – 5 sub-projects. MRD has 3,079 persons, 908 females of 29.49% and has created 92,767 workdays awarded to women 27,269 workdays of 29.40%.</p> <p>MAFF 35 AC warehouse construction (50T =10, 100T =20 and 200T = 5); MAFF has 1,468 persons, 382 females of 26.02% and has created 45,012 workdays awarded to women 11,712 workdays of 26.02%.</p> <p>MAFF 20 AC warehouse construction (50T =5, 100T =12 and 200T = 3); MAFF has 1,759 persons, 470 females of 26.72% and has created 53,442 workdays awarded to women 13,906 workdays of 26.72%.</p> <p>The contractors have provided training to their staffs and workers on safety, security, environment, violence prevention and Covid-19.</p>	<p>Issue:</p> <p>Action: NGS works closely with PMUs (MAFF, MRD and MOWRAM) to provide the template for collection of employment workdays from all subprojects.</p>
<p>Skills training sessions provided to women on infrastructure related construction and rehabilitation, and operation and maintenance.</p> <p>Action 1: On Track</p> <p>Responsibilities: PMU MAFF (lead) and PPIUs; GDAH; MOWRAM; MRD; contractors of civil</p>	<p>- MAFF PMU and PPIUs have conducted the on O&M of agriculture machinery for 86 ACs boards members for 25 courses in 2020-2223 with 617 persons, 158 females of 25.61%.</p> <p>- MAFF PMU and PPIUs have conducted the training to 86 ACs board, management team, M&E groups and members for operation and capacity building from the ACs formulation, capacity development, farm integrated system, compost, biodigester, CSA,</p>	<p>Issue: Progress presented is not relevant while the PMU and field visit at the project sites emerged various trainings conducted e.g. O&M for irrigation system, AC management.</p>

<p>works Time frame: Q4 Y1 – Q4 Y6</p>	<p>SRP, BMP, farm demonstrations, groups management, leadership, biofertilizer, biopesticide, bio slurry for 2,092 courses in year 2020-2023 with 53,165 persons, 23,310 females of 43.84%.</p> <p>- MOWRAM-MAFF Local authorities and 369 out of 500 FWUCs representatives have trained and have developed capacity to 122 courses, 4,883 persons, 1,324 of 27.11% included O&M their irrigation systems;</p> <p>Training topics on construction and rehabilitation skills:</p> <ol style="list-style-type: none"> 1. Administrative Training 465 persons, 113F of 24%. 2. Communication Skills 463 persons, 112F of 24%. 3. Financial management/book keeping 442 persons, 109F of 25%. 4. Irrigation Service Fee 329 persons, 90F of 27%. 5. Planning 474 persons, 129F of 27%. 6. Minute & report writing skills 462 persons, 126 F of 27%. 7. Conflict resolution and leadership 335 persons, 120F of 28%. 8. The Role and responsibility, important operation Objectives and Overview of irrigation System 483 persons, 142F of 29%. 9. Scheme operational implementation and Cropping calendar 582 persons, 81F of 14%. <p>For these total 9 training courses 4,135 persons, 1,022F of 25%.</p> <p>Training on O&M skills:</p> <ol style="list-style-type: none"> 10. Maintenance registration and Routine Maintenance Training 481 persons, 143F of 30%. 11. Maintenance Plan Preparation and Pre/after seasonal maintenance Inspection Training 146 persons, 36F of 35%. <p>For these two training courses 627 persons, 179F of 29%.</p>	<p>Action: NGS works closely with PMUs (MAFF, MRD and MOWRAM) to collect all trainings provided to women on infrastructure related construction and rehabilitation, and operation and maintenance.</p>
<p>Involve at least 30% of women as active agents¹ in the promotion campaigns on the use of renewable energy solutions.</p>	<p>Set up Solar PV rooftop user guide for ACs, PADC and MEW to operate Solar PV system accurately, Discussed with 35 ACs and identified 10 potential Agribusinesses</p>	<p>Issue: Dissemination and promotion events conducted, however, there is no clue on</p>

¹ Model farmer from community or private household or private enterprise.

<p>Target 5: On Track</p> <p>Responsibilities: PMU MAFF (lead) &PPIUs; GDAH GDAH Time frame: Q4 Y1 – Q4 Y4</p>	<p>interested to invest solar technologies, Design 4 Solar PV technology modules and packages to promote the Solar PV technology to ACs and Agribusinesses, Provided technical operation on solar power rooftop application to 36 ACs, Designed operational signboard, printed and placed all 80 AC Warehouse, 86 Solar PV installed at the AC Warehouse, PADC and MEW are able to save 100% energy cost for their daily operation.</p>	<p>how many women are becoming an active agent in continuously promote the biodigesters and compost-huts use.</p> <p>Action: NGS works closely with PMUs (MAFF, MRD and MOWRAM) produce the list of active agents from the participants who joined the promotional campaigns.</p>
<p>As part of the promotion campaigns about biodigesters and other renewable energy solutions, raise awareness among women and men in the communities about the benefits for value chain improvement/climate change but also for greater gender equality (time saving, drudgery reduction, improved health).</p> <p>Action 2: On Track</p> <p>Responsibilities: PMU MAFF (lead) &PPIUs; GDAH GDAH Time frame: Q4 Y1- Q4 Y4</p>	<p>Second draft of ISO 17025 guideline (from Dr. Mak Chanrathana) Review consisting guideline of ISO 17025 Discussed with Dr. Mak Chanrathana for revision the ISO 17025 guideline Draft outline for revision of ISO 17025 guideline Communication with Department of Accreditation (DA), Ministry of Industry, Science, Technology and Innovation (MISTI) Preparing a document for assessing laboratory to meet ISO 17025 criteria Meeting with NAL staff for getting understand their laboratory situation and assess to their understanding of ISO 17025 Joining workshop with specialist from Department of Accreditation (DA) which prepared by Royal University of Agriculture (RUA) to get more input for ISO 17025 application Finalizing the ISO 17025 guideline (5th revision, English version) and ongoing 6th version of manual. Conducting TWG meeting on guideline for ISO 17025 application.</p>	<p>Issue: Lack of promotional materials to be used in the campaign illustrating the benefits for women and family by using the biodigesters and compost-huts.</p> <p>Action: NGS works closely with PMUs (MAFF, MRD and MOWRAM) produce promotional materials to be used in the campaign illustrating the benefits for women and family by using the biodigesters and compost-huts.</p>
<p>Promotional materials developed and disseminated on biodigesters and other renewable energy solutions including awareness raising on how this addresses the disproportionate burden of household and care work carried out by women farmers, especially female headed households.</p>	<p>Technical training to NAL staff and PDAFF staff Prepare the training materials and poster on Sampling and handling techniques of biofertilizer and organic fertilizer for quality testing in lab Develop manual: Ongoing work to develop the manual of Standard Operation Procedure. Consult and closed with ISO 17025 accreditation specialist to carry</p>	<p>Issue: waiting for budget to publish.</p>

<p>Action 3: On Track</p> <p>Responsibilities: PMU MAFF (lead) & PPIUs; GDAH</p> <p>Time frame: Q1 Y2- Q4 Y4</p>	<p>on developing the next version was 6th revision of manual of ISO 17025 accreditation</p> <p>Prepare the training materials for the technical training course to staff: Completed</p> <p>Prepare the training posters on sampling and handling techniques of biofertilizer and organic fertilizer for quality testing in lab to PPIU staffs.</p> <p>Developed draft manual on SOP for quality testing of biofertilizer: completed (7th revision)</p> <p>Developed draft manual on SOP for quality testing of organic fertilizer: completed (6th revision).</p>	
<p>Output 2: Climate smart agriculture and agribusiness promoted</p>		
<p>2.1 Gender equality in human development enhanced. OP 2.2</p>		
<p>20,000 farmers, of whom 8,000 are women, trained in CSA and agribusiness development skills, of which 50% are SRP compliant with direct links to millers and exporters (2017 baseline for SRP compliance) (DMF 2b. OP 2.2.1).</p> <p>Target 6: On Track</p> <p>Responsibilities: PMU MAFF (lead) and PPIUs, MOWRAM, WFN</p> <p>Time frame: Q1 Y2- Q4 Y6</p>	<p>On-site meeting: 63 completed of meeting orientations on the agribusiness to ACs provided with information on climate risk-sharing instruments on crop insurance and green financing (Total Participant: 729 of which 326 are females).</p> <p>Identified crop insurance companies and green loan: completed (Forte for crop insurance, ACLEDA/ARDB for green loan)</p> <p>Develop extension materials: ongoing 60%</p> <p>Organize workshops to share climate information to ACs members: ongoing 5%</p> <p>Involved in signing agreement on data sharing with Forte on Crop Insurance.</p>	<p>Issue: Data is not so clear demonstrating the achievement of training on CSA and agribusiness development skills as well as SRP.</p> <p>Action: NGS and National M&E Specialist work closely with PMUs (MAFF, MRD and MOWRAM) to improve the PPMS and integrate sex-disaggregated data in the system. The PPMS should clearly elaborate:</p> <p>Training on topic 1 (F)</p> <p>Training on topic 2 (F)</p> <p>Training on topic 3 (F)</p>
<p>2.1.2. 27 FWUCs/FWUGs made operational and 500 FWUC/FWUG members, of which 30% are women, develop capacity to operate and maintain irrigation schemes (2017: 0) (DMF 2c. OP 2.2.1).</p> <p>Target 7: On Track</p>	<p>- MOWRAM-MAFF Local authorities and 369 out of 500 FWUCs Representatives have been trained 150 course, 5,910 persons, 1,608 females of 27.21% included O&M their irrigation systems;</p> <p>Training topics on construction and rehabilitation skills:</p> <p>1. Administrative Training 465 persons, 113F of 24%.</p>	<p>Issue:</p> <p>Action: NGS and National M&E Specialist work closely with PMUs (MOWRAM) to improve the PPMS and integrate sex-</p>

<p>Responsibilities: PMU MAFF (lead) & PPIUs Time frame: Q1 Y2- Q4 Y2</p>	<p>2. Communication Skills 463 persons, 112F of 24%. 3. Financial management/book keeping 442 persons, 109F of 25%. 4. Irrigation Service Fee 329 persons, 90F of 27%. 5. Planning 474 persons, 129F of 27%. 6. Minute & report writing skills 462 persons, 126 F of 27%. 7. Conflict resolution and leadership 335 persons, 120F of 28%. 8. The Role and responsibility, important operation Objectives and Overview of irrigation System 483 persons, 142F of 29%. 9. Scheme operational implementation and Cropping calendar 582 persons, 81F of 14%. For these total 9 training courses 4,135 persons, 1,022F of 25%.</p> <p>Training on O&M skills: 10. Maintenance registration and Routine Maintenance Training 481 persons, 143F of 30%. 11. Maintenance Plan Preparation and Pre/after seasonal maintenance Inspection Training 146 persons, 36F of 35%. For these two training courses 627 persons, 179F of 29%.</p>	<p>disaggregated data in the system. The PPMS should clearly elaborate:</p> <p>Training on topic 1 (F) Training on topic 2 (F) Training on topic 3 (F)</p>
<p>2.1.3. 30% of women farmers, including the WFN members, are involved in the selection and multiplication of climate resilient crop varieties.</p> <p>Target. 8: On Track</p> <p>Responsibilities: PMU MAFF (lead) & PPIUs; CARDI; WFN Time frame: Q4 Y1- Q4 Y6</p>	<p>These total 7 activities of below have been trained for 83 course/times, 18,017 participants, 8,830 females of 49.01% as the following:</p> <p>CARDI provided 72 training of farmers group on best management practice (BMP) on rice, cassava, and maize and Rice seed production Technique and follow up (RSPT/FU);</p> <p>Total training=1800 /878(f)=49%, 2022 training=1300/609f and 2023 progressed until September: 14 BMP training =350/188f6 and RSPT training=150/81f.</p> <p>13,151 farmers of which 6,258 were female (48%) trained on CSA, SRP, CamGAP, ACs business development plan (for ACs boards) landscape restoration (farm mechanization) and dissemination workshop on contract farming mechanism. 183 participants, 49 females equal to 27% attended 6 workshops on seed law and seed systems conducted by the Department of Crop</p>	<p>No issue</p>

	<p>Seed (DCS).</p> <p>Identified 05 new irrigation schemes for the possibility of laser land leveling in project area: Summary progress of paddy selection for land leveling by Jan-Dec 2022: Takeo: 125.89Ha with 935HHs (397F), Kampot: 67.99Ha with 467HHs (260F), KCham: 166.40Ha with 730HHs (258F), and TBK: 58.30Ha with 646HHs (302F); Total: 418.58 Ha with 2,778HHs (1,227F).</p> <p>Rice Seed Demonstration production and name of seed: PRD, PMD and CAR16 and Champeisar70 (Foundation seed from CARDI), farmers demo:311p/145f.</p> <p>Cassava seed demonstration production (2021-2023), Name of seed: 81, Rayong9, Hauybong60, KU50, (from Chamkaleu station); farmers demo:52/27f.</p> <p>Maize seed demonstration production (2022-2023), Name of seed: CHM01 and CM1 (CHM01 from Banteaydek station/GDA and CM1 seed from CARDI); farmers demo:55/26f.</p>	
<p>2.1.4. Women represent at least 40% of participants in all capacity-building activities (trainings, demonstrations, study tours) supported by the project (aggregate basis).</p> <p>Target 9: On Track</p> <p>Responsibilities: PMU MAFF (lead) and PPIUs, MOWRAM, WFN Time frame: Q1 Y2 - Q4 Y6</p>	<p>Farmer Field School, Demos, Training, Workshop and Meeting:</p> <p>Women represent in the capacity build activities such as training, demonstration and study tours supported by the project of 2,214 times, 58,048 farmers, 24,634 females of 42.44% as the following activities:</p> <p>The capacity build activities such as training, demonstration and study tours supported by the project in year 2023 of 233 times, 3,555 farmers, 1,107 females of 31.14%.</p> <p>The capacity build activities such as training, demonstration and study tours supported by the project in year 2022 of 1,145 times, 30,463 farmers, 13,521 females of 44.38%.</p> <p>The capacity build activities such as training, demonstration and study tours supported by the project in year 2021 of 294 times, 9,361 farmers, 4,305 females of 45.99%.</p> <p>The capacity build activities such as training, demonstration and</p>	<p>Issue: Data presented in the achievement is mixed up and not details oriented.</p> <p>Action: NGS and National M&E Specialist work closely with PMUs to classify into 3 events including training, workshop or meeting and demonstration. Incorporate into the PPMS system.</p>

	<p>study tours supported by the project in year 2020 of 240 times, 9,786 farmers, 4,377 females of 44.73%.</p> <p>The FWUCs capacity build activities such as training, demonstration and study tours supported by the project in year 2020-2023 of 122 times, 4,883 farmers, 1,324 females of 27.11%.</p>	
<p>2.1.5. Women represent 40% of increased labor pool of individuals who can operate agricultural machinery. (2017 baseline: 0).</p> <p>Target 10: On Track</p> <p>Responsibilities: PMU MAFF (lead) and PPIUs, MOWRAM, WFN</p> <p>Time frame: Q4 Y1 – Q4 Y5</p>	<p>The total of 86 ACs with 11,071 members, 5,969 females of 53.92% and ACs members with Agriculture Machineries use 5,288 farmers, 1,366 females of 25.83%.</p> <p>The farmers have used and control tractor power tiller, transplanting machines, harvester and seedling as the below reports: 13 ACs farmers use and control agriculture machineries 1,548 persons, 267 females of 53% in Kampong Cham province. 33 ACs farmers use and control agriculture machineries 2,373 persons, 888 females of 36.47% in Takeo province. 20 ACs farmers use and control agriculture machineries 607 persons, 170 females of 28.01% in Kampot province. 20 ACs farmers use and control agriculture machineries 760 persons, 41 females of 5.39% in Tboung Khmum province.</p>	<p>Issue:</p> <p>Action: NGS and National M&E Specialist work closely with PMUs to create a list of farmers (including women) who operates different agricultural machinery (e.g. tractor, power tiller, seedling, harvester).</p>
<p>2.1.6. Strengthen linkages between farms/cooperatives/enterprises and agribusiness industry, especially women-led and/or owned farms/ enterprises and cooperatives with majority female members.</p> <p>Action 4: On Track</p> <p>Responsibilities: PMU MAFF (lead) and PPIUs; WFN</p> <p>Time frame: Q1 Y2- Q4 Y2</p>	<p>The 30 Agribusiness ACs have been conducted TNA, developed training materials and have been completed the 52 trainings, 805 participants, 302 females of 38%:</p> <p>Identified 30 ACs Agribusiness and TNA 50%, Develop training material 70%.</p> <p>Conducted 2 training on Climate Change, Green Financing, and Climate Smart Agriculture to 77 participants including 17 women for PPIUs, Bank, MFI, ARDB, and ACs in four provinces.</p> <p>6 Agribusinesses (most of them are males) such as 3 agribusiness from Sok Keo and Golden Rice from TAK and Amru Rice from KPT, 3 agribusiness from Green Feed, cassava and red maize buyers and private producing are invited to present on the agribusiness and linked with potential ACs in the workshop and exchange experiences.</p> <p>34 agribusiness of which 8 are female (25%) are interviewed and discussed on the current agricultural business. These private sectors will be screen to select the potentials private sectors for</p>	<p>Action: NGS and National M&E Specialist work closely with PMUs to organize series of agribusiness forums by engaging all actors including inputs suppliers, MFIs and banks, government, AC, traders and farmers in target provinces of the project to create opportunities for both female and male led farms and enterprises in agribusiness.</p>

	involved and initiate to link with ACs in target provinces. The questionnaires to access the 30 potential ACs was drafted and oriented with Agri-business group.	
2.1.7. Female government staff make up at least 25% at the national level, and 20% at local level, of participants in capacity building activities on CFAVC (aggregate basis). Target 11: On Track Responsibilities: PMU MAFF (lead) and PPIUs Time frame: Q1 Y2- Q4 Y6	The total 2,214 courses/times in the capacity building activities from year 2020 up to the 3rd QRT 2023 with 58,048 participants, 24,624 females of 42.44% divided into the following: 1. The Female Government staff participated in the capacity building activities for the National Level 2,214 times/course in the capacity building activities 10,510 officials, 3,044 females of 28.97%. 2. The Female Government staff participated in the capacity building activities for the Local Level 2,214 times/coursed 47,358 officials, 21,590 females of 45.32%.	Issue: Action: NGS and National M&E Specialist work closely with PMUs to revisit the PPMS database and revise the achievement figure.
Output 3: Enabling environment for climate friendly agribusiness enhanced		
3.1. Gender equality in decision-making and leadership enhanced. OP 2.3		
3.1.1. Climate-smart and gender-responsive agribusiness policy for target commodities, including a PPP framework focusing on agribusinesses formulated and approved. (2017 baseline: 0) (DMF 3a. OP 2.3.1). Action 5: On Track Responsibilities: PMU MAFF Time frame: Q1 Y2 – Q3 Y1	Project worked with Department of Planning and Statistic (DoPS) and the Department of Agro-Industry (DoAI) to review existing relevant policy documents; and reviewed the proposed TOR for a policy study. Liaising with relevant departments of MAFF and IAs to develop the Climate Smart Gender Responsive Agribusiness Guideline development for 2023. Field visits following-up to identify 25 potential ACs in the four target provinces for 2023 with participation from 1,881 AC committee and members, 742 women of 39%. Consultation and planning meeting with WFNs on Gender Response and Climate Resilience of key project Infrastructure 18 people, 6 women of 33%.	Issue: No activity implemented or follow up. Action: PMU follows the NOL with ADB for additional inputs for PPP expert.
3.1.2. Actively involve the MAFF GCWG, the sub-national Gender Focal Points (Province, District, Commune), and the WFN and the Agricultural Cooperatives as key partners in project	The total MAFF GCWG joint in the project sites to coach, to advice, to follow up, to collect information and data for 70 times in 58 ACs, 482 persons, 264 females of 54.77%.	No issue but further continuously collaborate in other project activities such as visit to subprojects,

<p>implementation and monitoring, especially for the GAP activities.</p> <p>Action 6: On Track</p> <p>Responsibilities: PMU MAFF (lead) and PPIUs; MAFF CCPSU: sub-national Gender focal points; WFN</p> <p>Time frame: Q2 Y2 - Q4 Y7</p>	<p>The Annual National Gender Workshop on 04-05 Dec. 2023 was focus on the new and update of the Gender Mainstreaming in the project, to re-form the WFNs, to update on the project progress and to get the advice from the workshop results, especially from the H.E Hor Malin, Secretary of state – MAFF and the chairwomen of Gender and Children Working Group 72 participants, 42 females of 58.33%.</p> <p>MAFF GCWG jointly 3 times follow up on the use of biogas on integrated agriculture for WFN 71 persons, 41 women of 58%.</p> <p>MAFF GCWG jointly collected information, data and selected farmers for biogas demonstration 15 persons, 12 women of 80%.</p> <p>MAFF GCWG jointly site visit in the target villages to follow up on the Biodigesters construction process and project labeling 15 participants, 4 women of 27%.</p> <p>MAFF GCWG jointly visited and encouraged communities on breeding the qualified, resilient, and climate change varieties to community members 43 participants, 12 women of 29%.</p> <p>MAFF GCWG jointly in gender mainstreaming workshop in ACs/WFNs 267 participants, 153 women of 57%.</p>	<p>agribusiness forums, AC capacity building etc.</p>
<p>3.2 Women's economic empowerment increased OP 2.1</p>		
<p>3.2.1. 50 staff, including 30% women, from financial institutions trained in CSA and green finance. (2017 baseline: 0) (DMF 3c. OP 2.1.2).</p> <p>Target: 12 - On track</p> <p>Responsibilities: PMU MAFF (lead) and PPIUs</p> <p>Time frame: Q1 Y2 – Q4 Y6</p>	<p>There are total 8 training/orientations to Micro Financial Institutions, ARDB and ABA 147 participants, 55 females of 37%.</p> <p>Identified: 50 Bank/MFI</p> <p>TNA: completed</p> <p>Training development plan: ongoing 80%</p> <p>Development of Training Materials: ongoing 70%</p> <p>Delivery training: 5 training with ACLEDA and ARDB</p> <p>Development of green finance landscape report: completed and drafted.</p> <p>National Consultation on the report: draft concept note completed.</p> <p>Engaged with green financing facility establishment (MOE/ARDB/NBC/Mekong Strategy Partners progressed) and</p>	<p>Issue: Training on green finance and CSA to financial institutions have not been fully made except the TNA with MFI and bank staffs, orientation to MFIs and Banks staff as well as the training to PPIUs and farmers.</p> <p>Action: NGS, National M&E Expert and Green Finance Expert shall consult with PMU</p>

	<p>waiting for GCF reviewing and approval. Consultation on Green Financing with ARDB and ACLEDA. 16 staff from Bank, Micro Financial Institutions, and ARDB trained in CSA and green finance. Once training ABA 26 participants, 06 females of 23%.</p>	<p>to develop further training program for MFIs and Banks.</p>
<p>3.2.2. 30 agribusinesses, including 30% women-led and/or owned trained on green finance and CSA (2017 baseline: 0) (DMF 3d. OP 2.1.2).</p> <p>Target 13: On Track</p> <p>Responsibilities: PMU MAFF (lead) and PPIUs Time frame: Q1 Y2 – Q4 Y6</p>	<ul style="list-style-type: none"> - Identified: 50 Bank/MFI are initial identified for the target of CSA and green financing. - TNA: was completed and oriented. - Training development plan: ongoing 80%. - Development of training Materials: ongoing 70%. - Delivery training: 5 training with ACLEDA and ARDB. - Development of green finance landscape report: completed drafted. - National Consultation on report: draft concept notes completed. - Engaged with green financing facility establishment (MOE/ARDB/NBC/Mekong Strategy Partners progressed) and waiting GCF reviewing and approval. - Consultation on the Green Financing with ARDB and ACLEDA. - 26 staff from the Associate Banks of Cambodia (ABA), Banks, Micro Financial Institutions, and ARDB of which 6 are females trained in CSA and green finance. <p>There are 48 meetings, orientations and trainings to the PPIUs for 48 times, 673 participants, 275 females of 41%.</p>	<p>Issue: ABC is waiting for MoU with the project.</p> <p>Action: NGS, National M&E Expert and Green Finance Expert shall consult with PMU to push the signing of MoU.</p>
<p>3.2.3. Raise awareness among women farmers/cooperative members, women-led and/or owned enterprises, and female staff in financial institutions using adequate channels about existing credit facilities, green financing including crop insurance and required formalities to access these.</p> <p>Action 7: On Track</p> <p>Responsibilities: PMU MAFF (lead) and PPIUs Time frame: Q1 Y2 – Q4 Y6</p>	<p>The National Annual Gender Workshop was conducted on 04-05 Dec. 2023 with 72 participants, 42 females of % focused on the project progress, gender mainstreaming, data collection, refresher on the roles and responsible of each party and capacity building to the PMU, PPIUs, Provincial Engineers, Provincial experts, ACs, WFNs and presented by all the DTLs CS1, CS2, CS4 and CS5.</p> <p>The 8 meetings with PPIU in the four target provinces to discuss on the Green Financing, how to assess the green finance of the local bank and to identify the potential bank in 4 provinces with total 56 participants, 26 women of 46%.</p>	<p>Issue: Discussion is done with MFIs and banks. However, there is no specific channel for accessing to green finance and crop insurance to women farmers/cooperative members, women-led and/or owned enterprises. Concrete data and information is required for the meetings.</p> <p>Action: NGS, National M&E Expert and Green Finance Expert shall organize series of</p>

		green finance access to women farmers/cooperative members, women-led and/or owned enterprises.
<p>3.2.4. 20,000 households, including 20,000 women, provided with information on climate risk sharing instruments (2017 baseline: 0) (DMF 3e. OP 2.5.3).</p> <p>Target 14: On Track</p> <p>Responsibilities: PMU MAFF (lead) and PPIUs Time frame: Q1 Y2 - Q4 Y6</p>	<p>On-site meeting: 63 completed of meeting orientations on the agribusiness to ACs provided with information on climate risk-sharing instruments on crop insurance and green financing (Total Participant: 729 of which 326 are females).</p> <p>Identified crop insurance companies and green loan: completed (Forte for crop insurance, ACLEDA/ARDB for green loan)</p> <p>Develop extension materials: ongoing 60%</p> <p>Organize workshops to share climate information to ACs members: ongoing 5%</p> <p>Involved in signing agreement on data sharing with Forte on Crop Insurance.</p> <p>Draft the training material on climate data sharing and access to green financing to provide TOT training to PPIU to eco-training to farmers.</p> <p>Discuss with Forte crop insurance on the developing guideline.</p> <p>On-site meeting: 6 trainings orientations, 57 persons, 24 females of % on the agribusiness to 6 ACs at Kampong Cham and Takeo provinces.</p>	<p>Issue: Concrete data and information is required for the meetings. Number of households and people (including women) who were provided the information on crop insurance is unknown.</p> <p>Action: NGS, National M&E Expert and Green Finance Expert shall organize series of awareness raising or workshop in order to introduce the climate risk sharing instruments to both women and men in the communities.</p>
4. Project management gender related activities.		
<p>4.1. PMU to appoint safeguards officer to also be responsible and accountable for gender, who will closely liaise with representatives from the MAFF GCWG at national level and from WFN, Agricultural Cooperatives and sub-national gender focal points (province, district, commune), and agricultural cooperatives as key partners in project implementation, monitoring and reporting.</p>	<p>The MAFF PMU has revised the capacity of the Gender and Children Working Group #059 and dated on Jan. 2020 with 33 persons, 32 females of 97%.</p> <p>The total of Gender Focal Points for national and sub-national level 123 persons, 97 females of 78.86%.</p> <p>The four PPIUs of the PDAFF have assigned the sub-national gender focal points and updated in Dec. 2023 for 69 persons, 53 females of 76.81%.</p> <p>There were 9 officials (7 women) assigned to be safeguard and gender focal points at PMUs MAFF level.</p> <p>There were 4 officials (4 women) assigned to be safeguard and</p>	<p>Issue: Elaboration of the achievement is not relevant.</p> <p>Action: NGS and National M&E Expert consult with PMU to provide the list of safeguard focal points from national to local level.</p>

	<p>gender officers at PPIU MAFF levels There were 4 officials (1 woman) assigned to be safeguard and gender officers at PPIU MOWRAM levels There were 4 officials (0 woman) assigned to be safeguard and gender officers at PPIU MRD levels.</p>	
4.2. Prepare annual work plans to implement the activities of the GAP.	<p>The Gender Focal Points Team together with the PIC gender consultants have developed annual workplan and budgets for the training, exposure trips and monitoring.</p> <ol style="list-style-type: none"> 1. The draft action plan work plan for the whole gender action plan work plan with all indicators have been prepared. 2. The tools for gender monitoring have been prepared and oriented. 3. The gender report have been prepared and oriented. 	<p>Issue: The whole gender action plan work-plan with all indicators has not been developed except the training plan.</p> <p>Action: NGS and National M&E Expert consult with PMU to prepare the whole gender action plan work-plan with all indicators.</p>
4.3. Gender consultants (national and international) recruited to support GAP implementation, monitoring and reporting and to build the capacity of the GCPSU and gender focal points and PMU staff in gender analysis and mainstreaming.	<p>The Annual National Gender Workshop on 04-05 Dec. 2023 was focus on the new and update of the Gender Mainstreaming in the project, to re-form the WFNs, to update on the project progress and to get the advice from the workshop results, especially from the H.E Hor Malin, Secretary of state – MAFF and the chairwomen of Gender and Children Working Group 72 participants, 42 females of 58.33%. The Provincial Gender Focal Points have conducted the training to the ACs and local communities 31 courses/times, 1,455 persons, 769 females of 52.85%.</p> <p>From 25-26 October 2022, CS1/PIC Gender team (Int. National) conducted First Training Workshop on the new GAP for EAs/IAs and key Gender focal points (GFPs) ACs/WFNs at Provincial level. Most of participants have already been trained on Gender at Tonle Basac Restaurant in Phnom-Penh. The workshop was opened by remarks by H.E. Hor Malin with a total 53 participants (30 women or 56%).</p>	<p>Issue: PIC Gender consultant has been newly replaced. Therefore, the data management of all indicators are not up to date.</p> <p>Action: NGS and National M&E Expert consult with PMU review and revise the achievement of the GAP's indicators and actions based on the collected data.</p>
4.4. Relevant departments in MAFF, agricultural extension agents, local leaders and government officials, GCPSU and Gender Focal Points, and WFN to receive training on gender considerations in climate-friendly agribusiness value chains as	<p>MAFF/PMU under supported by PIC consultants have conducted the training on gender considerations in climate-friendly agribusiness value chains as central component of project capacity building activities for 34 courses, 1,115 persons, 370 females of 33.18%.</p>	<p>Issue: During the MTR visits, it seems sex-disaggregated data has been documented for most of the GAP indicators at the local level except the national</p>

<p>central component of project capacity building activities.</p>	<p>The Annual National Gender Workshop on 04-05 Dec. 2023 was focus on the new and update of the Gender Mainstreaming in the project, to re-form the WFNs, to update on the project progress and to get the advice from the workshop results, especially from the H.E Hor Malin, Secretary of state – MAFF and the chairwomen of Gender and Children Working Group 72 participants, 42 females of 58.33%.</p> <p>From 25-26 October 2022, CS1/PIC Gender team (Int. National) conducted First Training Workshop on the new GAP for EAs / IAs and key Gender focal points (GFPs) ACs/WFNs at Provincial level. Most of participants have already been trained on Gender at Tonle Basac Restaurant in Phnom-Penh. The workshop was opened by remarks by H.E. Hor Malin with a total 53 participants (30 women or 56%).</p>	<p>and provincial levels.</p> <p>Action: NGS and National M&E Expert consult with PMU strengthen or train on the sex-disaggregated data collection and mainstreaming of GAP indicators at the community's levels.</p>
<p>4.5. Collection and analysis of sex disaggregated data where relevant and included in project reports (DMF, GAP and PPMS).</p>	<p>The data of the sex disaggregated is under controlled and the total women represent in the capacity build activities such as training, demonstration and study tours supported by the project of 2,214 times, 58,048 farmers, 24,634 females of 42.44% as the following activities:</p> <p>The capacity build activities such as training, demonstration and study tours supported by the project in year 2023 of 233 times, 3,555 farmers, 1,107 females of 31.14%.</p> <p>The capacity build activities such as training, demonstration and study tours supported by the project in year 2022 of 1,145 times, 30,463 farmers, 13,521 females of 44.38%.</p> <p>The capacity build activities such as training, demonstration and study tours supported by the project in year 2021 of 294 times, 9,361 farmers, 4,305 females of 45.99%.</p> <p>The capacity build activities such as training, demonstration and study tours supported by the project in year 2020 of 240 times, 9,786 farmers, 4,377 females of 44.73%.</p> <p>The FWUCs capacity build activities such as training, demonstration and study tours supported by the project in year 2020-2023 of 122 times, 4,883 farmers, 1,324 females of 27.11%.</p>	<p>Issue: PPMS has not yet finalized. National M&E Expert is working to improve.</p> <p>Action: NGS and National M&E Expert consult with PMU to improve the PPMS with supporting data collection tools.</p>
<p>4.6. GAP implementation progress reports included in regular monitoring and reporting</p>	<p>Continuous work to support the implementation of the new GAP. All GFPs seem to have a better grasp on how to use it, and what the 14</p>	<p>Issue: Gender and Development has not been</p>

<p>activities (at least semi-annually to ADB).</p>	<p>targets and the 7 actions in the new GAP means. During the site observation, action plan(s) were designated as being accountable for specific objectives and activities for Gender and women participant. However, the contractor responsible for ensuring that women participant process needs to be monitored to meet the contract bids agreement requirement. Site managers understand of the GAP and Gender mainstreaming and they are instructed to monitor the work conditions for women in the construction work, it will also serve to attract and retain women as workers during a critical time of labor shortages in the construction.</p>	<p>incorporated in the QPR. Action: NGS and National M&E Expert consult with PMU to incorporate GAP progress report in the QPR.</p>
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Appendix 5: Result of Financial Audit for year 2022



**ROYAL GOVERNMENT OF CAMBODIA
MINISTRY OF AGRICULTURE, FORESTRY
AND FISHERIES**

**Climate-Friendly Agribusiness
Value Chains Sector Project**

ADB Loan No. 3661 – CAM (COL), ADB GCF Loan
No. 8346 – CAM (EF) and Grant No. 0579 – CAM (EF)

**Management Letter
for the year ended 31 December 2022**



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9 June 2023

Your Excellency,

Management Letter – Audit for the year ended 31 December 2022

We have audited in accordance with Cambodian International Standards on Auditing, the financial statements of the Climate-Friendly Agribusiness Value Chains Sector Project (“the Project”), financed under the Asian Development Bank Loan No. 3661 – CAM (COL), ADB GCF Loan No. 8346 – CAM (EF) and Grant No. 0579 – CAM (EF), and implemented by the Ministry of Agriculture, Forestry and Fisheries (“MAFF”, “the Executive Agency” or “EA”), for the year ended 31 December 2022, and have issued our report thereon dated 9 June 2023. An audit involves performing procedures to obtain audit evidence about the amounts and disclosures in the financial statements. The procedures selected depend on our judgment, including the assessment of the risks of material misstatements of the financial statements, whether due to fraud or error. In making those risk assessments, we considered internal control relevant to the Project’s preparation and fair presentation of the financial statements in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the Project’s internal controls. Accordingly, we do not express an opinion on the effectiveness of the Project’s internal controls.

The maintenance of adequate controls designed to fulfill control objectives is the responsibility of management. Because of inherent limitations in internal controls, errors or fraud may nevertheless occur and not be detected. Also, controls found to be functioning at a point in time may later be found deficient because of the performance of those responsible for applying them, and there can be no assurance that controls currently in existence will prove to be adequate in the future as changes take place in the Project.



Our audit procedures are designed primarily to enable us to form an opinion on the financial statements, and therefore may not bring to light all weaknesses in policies or procedures that may exist. We aim, however, to use our knowledge of the Project gained during our work to make comments and suggestions that we hope will be useful to you.

Our findings are grouped into the following audit areas:

1. Financial management including record keeping systems and controls;
2. Procurement of goods and services;
3. Assets/Inventory management;
4. Cash management; and
5. Compliance with the key covenant of the Grant/Loan agreement and/or local regulations.

During our audit, we noted certain matters involving internal controls that is presented for your consideration. These comments and recommendations, all of which have been discussed with the appropriate members of management, are intended to improve internal controls or result in other operating efficiencies and are summarised in the enclosed report.

The Project's written response to our comments and recommendations has not been subjected to the auditing procedures applied in the audit of the financial statements and, accordingly, we express no opinion on it.

This communication is intended solely for the information and use of the Ministry of Economy and Finance, the Asian Development Bank and the Project management.

Yours faithfully,
For **KPMG Cambodia Ltd**


Guek Teav
Partner





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1. Financial management including record keeping systems and controls

1.1 Set more realistic budget or document explanation on significant variances

Observation

We noted that the estimated budget for the Project's payments are not comparable to the actual payments in some payments categories for the period under audit. There was no analysis or explanation causing to each variance nor threshold being set as to what extent the variance explanation should be provided. The significant variances were noted below.

Description	2022		Variance	
	Budget	Actual	Diff	%
	US\$	US\$		
Investment				
Civil works	5,257,540	1,843,937	3,413,603	65%
Equipment, materials, good and Project implementation service	1,308,630	82,368	1,226,262	94%
Training, workshops and demonstration	2,003,050	771,856	1,231,194	61%
Consulting services	4,313,880	2,374,256	1,939,624	45%
Incremental operating costs	635,200	468,200	167,000	26%
Interest charges during implementation	-	102,179	(102,179)	100%
Total	13,518,300	5,642,795	7,875,505	58%

This issue was also raised following the previous year's audit.

Implication

If the budget is to be used as an effective control tool, it is important that it is used to compare with actual expenses or payments with proper explanation for the under/over use of fund. Otherwise, it will be much harder for the Project's management to monitor the effective use of the fund and set a realistic budget for the coming year.

Recommendation

The Project should use their best estimates and experience to set a realistic budget based on work plan. The comparison between budget and actual payments should be performed regularly. Any significant variance i.e. $\geq 10\%$ shall provide a written explanation and remedy action plan. The budget should also be reviewed regularly and revised if needs.



1. Financial management including record keeping systems and controls (continued)

1.1 Set more realistic budget or document explanation on significant variances (continued)

Management's response 2021

During the Project implementation period, there has been some challenges and difficulties encountered which are leading to in delaying some of the activities, those concerns are as follows:

- Insufficient capacity to produce LARP/DDR on time for Social Safeguard clearance prior to signing of Civil Work contracts, this is leading to the delay of civil work construction;
- CS2 delays in expert recruitment and mobilization for output 2 and out 3;
- Late recruitment of CS3 and CS4;
- The COVID-19 pandemic caused;
- Delay in procurement process biodigester & Compost Hut due to cost increased, which is needed to rebid in 2022;
- Delay in preparation of technical specifications of Laboratory; and
- Delay of constructions of warehouse/ storage and training building center due to the raining season caused.

Management's response 2022

- The shortage of GCF Grant Fund at the end of the year
- Delay of bidding on Biodigester and Compost Huts
- Late recruitment of CS3 and CS4
- Delay in procurement of Laboratory
- Delay of Construction of warehouse/ storage and training building center due to the raining season caused; and
- The COVID-19 pandemic caused.

The following statements are our commitments for the next fiscal year:

- The project is being requested to ADB to change the procurement procedure of bidding the bio-digesters and compost huts
- The project will speed up the training activities (capacity building), and
- The project will strengthen the implementation of Annual Work Plan and Budget 2023.



1. Financial management including record keeping systems and controls (continued)

1.2 Comply with the Cash Basis of Accounting of Cambodian Public Sector Accounting Standards (“CPSAS”)

Observation

In accordance with the Prakas from Ministry of Economics and Finance dated on 14 October 2020, the Project shall adopt Cash Basis of Accounting of Cambodian Public Sector Accounting Standards (“CPSAS”) effective from 1 January 2020. However, we have noted that there are expenses paid by the provincial office that were not recognised by the Project as expenditure in 2022 and still recognised as provincial cash (as known as “sub-account to provinces”).

Audit adjustment was raised in the financial statements in order to comply with CPSAS.

Implication

The financial statements are not fairly stated in accordance with CPSAS.

Recommendation

The Project should properly account for accounting transactions in accordance with CPSAS.

Management's response 2022

The nature of Sub-account to provinces has been treated as fund transferred from PMU to the provincial Project banks' account (PPIUs) only.

Anyway, the Project agreed to make any further adjustments for the next fiscal year as per the auditor's recommendation.



1. Financial management including record keeping systems and controls (continued)

1.3 Opening fund balance not taken up and not agreed to the audited figures

Observation

Post-closing adjustments that were agreed in prior year audit were not taken up in the opening balances of year 2022.

Implication

Failure to capture the adjustment from prior year will result in errors being carried forward to the unadjusted financial statements of the following year and needs more work to rectify later on.

Recommendation

All post account closing adjustments should be recorded immediately to correct the opening fund balance of the following year.

Management's response 2021

The discrepancy due to the transaction relating to the remaining advance to consulting firms in FY2020, which is needed to be adjusted to cash basic record.

The Project agreed to make any further adjustments for the next fiscal year as per the auditor's recommendation.

Management's response 2022

Due to the remaining advance to consulting firms are fully liquidated in FY2022 so the Project does not need to make any further adjustments for the next fiscal year.



Status of the prior year's observations and recommendations

No.	Observations	Recommendations	Status																																																	
1.	Financial management including record keeping systems and controls																																																			
1.1	<p>Set more realistic budget or document explanation on significant variances</p> <p>We noted that the estimated budget for the Project's payments are not comparable to the actual payments in some payments categories for the period under audit. There was no analysis or explanation causing to each variance nor threshold being set as to what extent the variance explanation should be provided. The significant variances were noted below:</p> <table border="1"> <thead> <tr> <th rowspan="2">Description</th> <th colspan="2">2021</th> <th colspan="2">Variance</th> </tr> <tr> <th>Budget US\$</th> <th>Actual US\$</th> <th>Diff</th> <th>%</th> </tr> </thead> <tbody> <tr> <td>Investment</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Civil works</td> <td>8,704,494</td> <td>46,896</td> <td>8,657,598</td> <td>-99%</td> </tr> <tr> <td>Equipment, materials, good and Project implementation service</td> <td>1,412,950</td> <td>-</td> <td>1,412,950</td> <td>-100%</td> </tr> <tr> <td>Training, workshops and demonstration</td> <td>1,874,225</td> <td>391,439</td> <td>1,482,786</td> <td>-79%</td> </tr> <tr> <td>Consulting services</td> <td>4,285,393</td> <td>1,210,207</td> <td>3,075,186</td> <td>-62%</td> </tr> <tr> <td>Incremental operating costs</td> <td>879,956</td> <td>337,706</td> <td>542,250</td> <td>-100%</td> </tr> <tr> <td>Interest charges during implementation</td> <td>-</td> <td>50,347</td> <td>(50,347)</td> <td>-100%</td> </tr> <tr> <td>Total</td> <td>17,157,018</td> <td>2,036,595</td> <td>15,120,423</td> <td>-88%</td> </tr> </tbody> </table>	Description	2021		Variance		Budget US\$	Actual US\$	Diff	%	Investment					Civil works	8,704,494	46,896	8,657,598	-99%	Equipment, materials, good and Project implementation service	1,412,950	-	1,412,950	-100%	Training, workshops and demonstration	1,874,225	391,439	1,482,786	-79%	Consulting services	4,285,393	1,210,207	3,075,186	-62%	Incremental operating costs	879,956	337,706	542,250	-100%	Interest charges during implementation	-	50,347	(50,347)	-100%	Total	17,157,018	2,036,595	15,120,423	-88%	<p>The Project should use their best estimates and experience to set a realistic budget based on work plan. The comparison between budget and actual payments should be performed regularly. Any significant variance i.e. ≥10% shall provide a written explanation and remedy action plan. The budget should also be reviewed regularly and revised if needs.</p>	<p>Not implemented. Refer to management letter point #1.1.</p>
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5



Status of the prior year's observations and recommendations (continued)

No.	Observations	Recommendations	Status
1.	Financial management including record keeping systems and controls (continued)		
1.2	<p>Comply with the Cash Basis of Accounting of Cambodian Public Sector Accounting Standards ("CPSAS")</p> <p>In accordance with the Prakas from Ministry of Economics and Finance dated on 14 October 2020, the Project shall adopt Cash Basis of Accounting of Cambodian Public Sector Accounting Standards ("CPSAS") effective from 1 January 2020. However, we noted that the Project still accounted for advances to consultants as of 31 December 2021 amounting to US\$239,757.</p> <p>Audit adjustment was raised in the financial statements in order to comply with CPSAS.</p>	<p>The Project should properly account for accounting transactions in accordance with CPSAS.</p>	<p>Implemented for advance to consultant but another non-compliance with CPSAS on the sub-provincial account was identified. Refer to management letter point #1.2.</p>
1.3	<p>Opening fund balance not taken up and not agreed to audited report figures</p> <p>Post-closing adjustments that were agreed in prior year audit were not taken up in the opening balances of year 2021.</p>	<p>All post account closing adjustments should be recorded immediately to correct the opening fund balance of the following year.</p>	<p>Not implemented. Refer to management letter point #1.3.</p>

6

Appendix 6: MOU of ADB Mid-term Review Mission



MEMORANDUM OF UNDERSTANDING

BETWEEN

THE ASIAN DEVELOPMENT BANK

AND

THE ROYAL GOVERNMENT OF CAMBODIA (RGC)

ADB Loan 3661/GCF Loan 8346 and GCF Grant 0579:

Climate-Friendly Agribusiness Value Chains Sector Project (CFAVC)

Midterm Review Mission (25 September to 6 October 2023)

Phnom Penh, Cambodia

I. BACKGROUND

1. On 29 June 2018, the Asian Development Bank (ADB) approved the Climate-Friendly Agribusiness Value Chains Sector Project (the CFAVC Project) for \$141.04 million with a financing plan, including (i) a concessional loan from ADB's Ordinary Capital Resources (OCR) for \$90 million; (ii) a loan from the Green Climate Fund (GCF) for \$10 million; and (iii) a grant from the GCF for \$30 million, in addition to estimated contributions of \$3.66 million from beneficiaries and \$7.38 million from the Royal Government of Cambodia. The ADB loan was declared effective on 1 October 2018 while the GCF loan and grant were declared effective on 28 March 2019. The project is scheduled for closing on 30 September 2026.

2. The project is aligned with the following impact: agricultural competitiveness improved.¹ The project will have the following outcome: productive and resource-efficient agribusiness value chains developed in project areas. The project has three outputs: (i) critical agribusiness value chain infrastructure improved and made climate-resilient; (ii) climate-smart agriculture and agribusiness promoted; and (iii) enabling environment for climate-friendly agribusiness enhanced. Through the above outputs, the project aims to improve the competitiveness of agribusiness value chains in Kampong Cham and Tboung Khmum provinces along the Greater Mekong Subregion (GMS) southern economic corridor, and in Kampot and Takeo provinces along the south coastal economic corridor. The project aims to boost the climate resilience of critical agricultural infrastructure and help in commercialization of rice, maize, cassava, and mango production. It aims to increase crop productivity and diversification; improve the capacity for storage, processing, and quality and safety testing; promote the use of solar and bioenergy; strengthen the technical and institutional capacity for climate-smart agriculture (CSA); and create an enabling policy environment for climate-friendly agribusinesses.

3. The Ministry of Agriculture, Forestry and Fisheries (MAFF) is the executing agency (EA), in close coordination with the Ministry of Water Resources and Meteorology (MOWRAM) and the Ministry of Rural Development (MRD). The General Directorate of Agriculture (GDA), Cambodian Agricultural Research and Development Institute (CARDI), General Directorate of Animal Health and Production (GDAHP), the General Department of Technical Affairs of MOWRAM and the General Department of Technical Affairs of MRD are implementing agencies (IAs).

4. A Midterm Review Mission (MTR)² (the Mission) from the Asian Development Bank (ADB) visited Cambodia from 25 September to 6 October 2023 to (i) review institutional, administrative, technical (activities, outputs, outcomes, climate, safeguards, gender), economic and financial, risks and other aspects; (ii) assess the need to change the project scope and update performance targets in the Design and Monitoring Framework (DMF), where necessary; (iii) identify savings from loan and grant proceeds available for reallocation, to reflect latest project needs and priorities and (iv) transfer project administration from ADB Headquarters to the Cambodia Resident Mission (CARM). During MTR, the project team: (i) reviewed the implementation progress to date; (ii)

¹ The impact is reflected in enhanced productivity, climate resilience, quality and safety, value addition, and rural household incomes.

² The Mission comprised (i) Srinivasan Ancha, Principal Climate Change Specialist/Mission Leader, Climate Change, Resilience and Environment Cluster (CCRE); (ii) Indah Setyawati, Senior Safeguards (Resettlement Specialist); (iii) Xin Ren, Senior Safeguards (Environment) Specialist; (iv) Christian Ellermann, Senior Climate Change Specialist, CCRE (selected meetings); (v) Chanthou Hem, Senior Project Officer, Cambodia Resident Mission (CARM); (vi) Karen Chua, Senior Operations Officer, SG-AFNR; and (vii) Vuth Cheng, Associate Project Analyst, CARM. The mission team was joined by Tem Sareivouth, Social Safeguards Specialist (consultant), Sethy Sour, Environmental Safeguards Specialist (consultant), Chan Sophana, Gender Specialist (consultant) and Micheala Conine (GCF consultant). Support from the Country Director, CARM, other CARM staff, and consulting firms is gratefully acknowledged.

undertook field inspections of project sites and interviewed a range of stakeholders, including beneficiaries and project implementation staff; (iii) discussed measures needed to resolve implementation issues; (iv) formulated potential realignments of the project scope and DMF, and (v) prepared a list of measures that will need to be fulfilled to ensure targets are met.

5. A kick-off meeting, chaired by Dr. Sam Chhom Sangha, Project Director, and attended by representatives of the Ministry of Economy and Finance (MEF), MAFF, MOWRAM, MRD, and staff from the Provincial Department of Agriculture, Forestry and Fisheries (PDAFF), Provincial Department of Water Resources and Meteorology (PDWRAM) and Provincial Department of Rural Development (PDRD) from the four project provinces (Kampong Cham, Tboung Khmum, Kampot, and Takeo) took place on 25 September 2023. The Mission met with the Minister of Agriculture H.E. Dith Tina on 26 September and conducted field visits to the four project provinces from 26 September to 2 October 2023. The Mission held bilateral meetings with all implementing agencies, consulting firms, and the GCF (virtual) from 3 to 5 October 2023. A wrap up meeting, chaired by the H.E. Chan Chesda, Chairman of PSC, MAFF, and attended by representatives of the MEF, MAFF, MOWRAM, MRD, and staff from the PDAFF, PDWRAM and PDRD from the four project provinces was held on 6 October 2023. The Mission schedule and the list of persons met are in Attachments 1 and 2 respectively.

6. This memorandum of understanding (MOU) outlines the agreements reached between the Mission and the Government. The agreements set out in this MOU are subject to review and approval by higher authorities of the Government and ADB.

II. PROJECT IMPLEMENTATION STATUS AND MISSION FINDINGS

7. **Project management.** The PSC held a total of three meetings to date, to give oversight and guidance on project implementation. Impacts from (i) delays in recruitment of consultants, and (ii) the coronavirus disease (COVID-19) led to considerable delays in project implementation, from 2019 to 2021. In view of such delays, based on MEF's request in December 2021, ADB extended the project completion date by 18 months from 31 March 2025 to 30 September 2026. Following COVID-19, the Mission noted increases in the cost of construction materials and fuel, which resulted in higher value bids by contractors as compared with original estimates.

8. As of 5 October 2023, the project is rated "On Track". Overall physical progress, as reported by the EA, is estimated at 52% against an elapsed time of 63.7%. Per ADB financial records, cumulative contracts awarded for the project is \$51.38 million or 39.5% of the total loan and grant amount. Cumulative disbursement is \$31.68 million or 24.4% of the total loan and grant amount. Disbursements include an advance of \$3.3 million. DMF with latest achievement is presented in Attachment 3. Key achievements, challenges and agreed actions under various outputs are listed below.

9. **Output 1: Critical agribusiness value chain infrastructure improved and made climate-resilient:** Key activities under this output involve (i) rehabilitating irrigation and water management infrastructure to climate-resilient condition; (ii) upgrading agricultural cooperatives' value chain infrastructure; (iii) improving the connectivity of farms to cooperatives and markets through climate-resilient farm road networks; (iv) strengthening the infrastructure for agricultural quality and safety testing at national agricultural laboratory; and (v) promoting renewable energy.

- (i) ***Irrigation and water management infrastructure (MOWRAM):*** The project aims to rehabilitate and enhance resilience of 27 irrigation subprojects (5 each in Kampong Cham and Kampot; 7 in Tbong Khmum and 10 in Takeo) with an irrigable area of 15,107

hectares (ha) benefitting 19,180 households (83,824 persons including 46,385 women) in 43 communes in 15 districts. Two additional back-up irrigation subprojects (one each in Kampot and Takeo) were also identified. Rehabilitation of 9 subprojects (2 each in Kampong Cham, Kampot and Takeo; and 3 in Tbong Khmum) was completed as of September 2023. Topographic surveys and feasibility studies were completed in 25 subprojects; detailed engineering design (DED) for 24 subprojects; initial environmental examinations (IEE) for 21 subprojects; and social safeguards due diligence reports (DDRs) for 14 subprojects. Budget allocated for 27 subprojects (~\$32.2 million) is considered adequate as per engineer estimates, although the team identified need for an additional \$11 million to further enhance climate resilience and sustainability. The team noted that rehabilitation and deepening of reservoirs, study trips to other successful irrigation subprojects, additional on the job training of FWUCs and creating a FWUC federation may be considered as part of Phase II (additional financing) of the project.

The project aimed to rehabilitate and enhance climate resilience of 800 on-farm rainwater harvesting ponds (RWHPs), each RWHP benefitting a single household, at an estimated cost of \$9 million. However, based on stakeholder consultations and needs of farming communities, the larger RWHPs benefitting more households but requiring a higher budget per pond, have been selected. The first batch of 278 RWHPs benefitting 918 households (4179 persons, including 2076 women) in 51 communes are estimated to cost \$4.8 million. In view of potential budget shortfall of about \$4.3 million for constructing the remaining 522 ponds, the team agreed to reduce the overall target from 800 to 500 ponds with higher number of beneficiaries. The project identified 15 mango farms for demonstration of drip irrigation, but the actual demonstrations have not yet commenced.

Agreed actions: The Mission noted that immediate recruitment of independent third party (ITP) is critical to avoid further delays in verification of voluntary donations in 13 irrigation subprojects and 172 from the first RWHPs batch. (i) The Mission was informed that the evaluation report of ITP was pending for approval due to a lack of clarity regarding the institutional responsibilities stated in the TOR and source of fund. Based on clear guidance during the MTR, it is now imperative that all stakeholders promptly provide quick endorsement for recruitment of ITP using the GCF grant and mobilize the ITP by November 2023. (ii) In view of serious shortfall of budget for RWHPs, the Mission and MOWRAM agreed to reduce the target from 800 to 500 RWHPs and complete the work by June 2025. (iii) PMU-MOWRAM, consulting teams and communities identified further scope of enhancing climate resilience of subprojects and identified the need for additional minimum investment of \$30 million in irrigation subprojects covering 80 agricultural cooperatives. The Mission suggested that additional financing for the project may be pursued in due course, subject to satisfactory progress and successful mobilization of additional funds. (iv) In accordance with the covenant on O&M in the loan agreement, the Mission asked the PMU-MOWRAM to ensure preparation of the operation and monitoring (O&M) plan of each irrigation subproject by involving local communities and by covering institutional, financial, technological, and capacity building needs within six months of completion of construction for each subproject. (v) The Mission requested the PMU-MOWRAM to assess the performance of contractors using a common framework with transparent criteria within six months of completion of construction of each batch of subprojects. (vi) The Mission requested PMU-MOWRAM to consider developing 2-page fact sheets (similar to leaflets / flyers) for each of the irrigation subprojects and short videos to communicate the project achievements to a

wider audience.

- (ii) **Agricultural cooperatives (MAFF):** The project selected 80 (13 in Kampong Cham; 17 in Kampot; 20 in Tbong Khmum and 30 in Takeo) agricultural cooperatives (ACs) for upgrading post-harvest infrastructure and integrating climate adaptation measures. As of September 2023, construction was completed on 55 ACs while work on 25 ACs is ongoing. Grain storage capacity was improved in 80 ACs (200-ton capacity in 12 ACs; 100-ton capacity in 51 ACs; and 50-ton capacity in 17 ACs) benefitting a population of 765,777 persons (402,465 women) in 194,986 households (27,946 women-headed households). The Mission visited 7 ACs and noted that local government officials and communities were satisfied with the quality of infrastructure built. The Director of the Department of Agricultural Cooperative Promotion suggested that capacity building of Commune Agricultural Officers in AC concept and law, business planning, bookkeeping and accounting, leadership and management to support ACs in their communities, and conduct of AC business planning workshops and business exchange workshops to communicate success stories would be useful and agreed. He also suggested a rapid assessment of 80 ACs supported by the project.

Agreed actions: (i) Procurement of additional post-harvest processing infrastructure (e.g., drying platforms, dryers, cassava chip makers, maize shellers) for selected ACs to be completed. The Mission asked the team to procure them on a selective basis by May 2024 based on a careful needs and capacity assessment at the AC level. (ii) The Mission stressed the development of the business plan for each AC by the end of December 2024. (iii) The Mission observed that sanitation and safety facilities at some ACs was not up to satisfactory standards and asked PMU not to release final payments/retention payments until contractors improve such facilities, latest by December 2024. (iv) In accordance with the covenant on O&M in the loan agreement, the Mission asked the PMU to ensure the preparation of O&M plan of each AC involving local communities and by covering institutional, financial, technological, and capacity building needs by March 2024. (v) The Mission agreed with the GDA proposal to strengthen the capacity of Commune Agricultural Officers in AC concept and law, business planning, bookkeeping and accounting, leadership and management to support ACs in their communities and to share success stories from ACs based on assessment of 80 ACs supported by the project using the criteria of relevance, effectiveness, efficiency, and sustainability by August 2024. (vi) The Mission stressed the need for additional efforts of the project to link ACs with the private sector (e.g., Amru Rice) latest by June 2024 to ensure better market prices for the produced stored by AC members.

- (iii) **Rural connectivity infrastructure (MRD):** The project aims to rehabilitate and enhance climate resilience of at least 250 km of rural roads connecting ACs, farms and markets. The project identified 272 km of road subprojects connecting 44 ACs but prioritized 252 km road subprojects connecting 41 ACs due to budget constraints. In all road subprojects, a combination of double bituminous surface treatment (DBST) in road lengths exceeding flood levels and concrete for road lengths below the flood level is being considered to optimize the cost. Construction of the batch 1 road subprojects of 71.1 km connecting 8 ACs (2 ACs in each of target provinces) was nearly (90%) completed. Signing of contracts for the batch 2 subprojects of 100.1 km connecting 20 ACs (4 each in Kampong Cham and Kampot; 5 in Takeo and 7 in Tbong Khmum) was completed but construction is in very early stages (1%) subject to clearance of detailed resettlement plans (DRPs) and compensation of affected households. Feasibility studies and DED for batch 3 road subprojects of 81.4 km connecting 13 ACs (1 in Kampot, 2 in

Kampong Cham, 4 in Tbong Khmum and 6 in Takeo) were completed but safeguards due diligence, including preparation of DRPs, is yet to be completed.

Agreed actions: (i) Owing to cost escalation of construction materials and fuel, meeting the original target of 250 km road subprojects would require an additional \$2.8 million. The Mission agreed with MRD and informally with GCF to explore reallocation some funds from other activities such as varietal deployment and capacity building. (ii) Current budget is adequate only to cover connectivity for 41 ACs. Provision of climate resilient farm roads to the remaining 39 ACs would require an estimated budget of \$42 million. The Mission suggested that additional financing for the project may be pursued in due course, subject to satisfactory progress and successful mobilization of additional funds. (iii) In accordance with the covenant on O&M in the loan agreement, the Mission asked the PMU-MRD to ensure preparation of O&M plan of each road subproject by involving local communities and by covering institutional, financial, technological, and capacity building needs within six months of completion of construction. (iv) The Mission requested the PMU-MRD to assess the performance of contractors within six months of completion of construction of each batch of road subprojects, using a common framework with transparent criteria and by developing a contractor monitoring checklist. (v) The Mission requested PMU-MRD to consider developing 2-page fact sheets (similar to leaflets or flyers) for each of the road subprojects and short videos to communicate the project achievements, especially climate resilience measures adopted in each geographic setting, to a wider audience.

- (iv) **Laboratory infrastructure:** The project renovated parts of the National Agricultural Laboratory (NAL), constructed a net house, provided limited laboratory supplies for the biofertilizer laboratory, and trained staff on safety and quality testing in 2022. The project revised the technical training manual on GMOs and phytotoxins, supported NAL's ISO 17025 accreditation process through developing version 5 of the guidelines, and developed cassava tissue culture manual which will be endorsed by NAL and GDA by March 2024. Guidelines for testing for GMOs, and the quality of organic and biofertilizers are in advanced stages. The project identified critical equipment for laboratories supporting biofertilizer and organic fertilizer certification, plant tissue culture, and biotechnology. However, based on instructions of the Minister of Agriculture, HE Dith Tina, following his decision to relocate all MAFF laboratories to a new location in Sitbo district of Kandal province, procurement of equipment was suspended. The Mission noted that existing laboratory facilities are testing about 4000 samples fetching about 1 billion riels (~\$250,000).

Agreed actions: (i) The Mission noted that the successful operation of existing laboratories requires critical supplies and strengthening of capacities for testing safety and quality of agricultural products. The Mission agreed that the project would procure limited quantities of supplies (Attachment 4). (ii) The construction of a new laboratory complex at Sitbo is expected to be completed in 2027 beyond the current scheduled project completion date. The Mission requested MEF to agree to reallocate the funds for other activities with significant budget shortfalls. MEF supported the idea of reallocation.

- (v) **Renewable energy infrastructure:** The project aimed to construct 12,000 biodigesters and 6,000 compost huts to improve use of renewable energy for cooking and lighting while reducing livestock waste related greenhouse gas emissions. Following the COVID-19 and Ukraine-Russia conflict, the cost of construction increased, on an average, by \$200 per biodigester and \$150 per compost hut while the readiness of beneficiaries to

make financial contribution has declined. The Mission learned that the National Biogas Program (NBP), which requires \$200 beneficiary contribution per biogas plant, could build only 482 biogas plants in 14 provinces in 2022, due to lack of financial readiness of beneficiaries. Two rounds of bids for the initial batch of 500 biogas plants and 250 compost huts failed due to lack of qualified bidders meeting the criteria of national competitive bidding (NCB). To enhance the community awareness of medium to long term benefits of biogas plants and compost huts and build interest on financial contribution, the project constructed 69 biogas plants and 69 compost huts from 2022 to 2023 and conducted 203 training events for 29,305 persons (13,855 women). The beneficiaries appreciated the project support and about 40% of participants expressed interest in building biogas plants. All 80 ACs were supplied with solar panels to meet the energy requirements of ACs.

Agreed actions: (i) Given the impacts of increased cost and declined interest of beneficiaries to make significant financial contributions, and the limited project implementation period, the Mission decided to reduce the target for biogas plants from 12,000 to 6,000 while maintaining the target of 6,000 compost huts which are constructed along with biogas plants. (ii) As two rounds of bidding failed, and as the target of 6,000 biogas plants and 6,000 compost huts is still considered high for the remaining 2.5 years of project implementation, the Mission agreed with the PMU's proposal to change the procurement method from NCB to shopping. MEF suggested that a framework agreement with contractors in each province could be developed to facilitate rapid implementation. An updated procurement plan will be submitted by EA, providing the procurement method, estimated number of packages and the estimated cost per package. (iii) Given the higher contribution by the project for biogas plants and compost huts, the Mission proposed to reallocate some funds from other activities to meet the target. MEF agreed with the proposal. The proposed reallocation was also discussed with GCF. GCF asked the team to carefully assess the needs and reallocate funds among activities in such a way that does not trigger major change and re-approval by the GCF Board.

10. An updated consolidated list of subprojects from MAFF, MOWRAM, MRD to be submitted by CS1 to ADB by 31 October 2023. In addition, the list will also include (i) availability of business plan (ii) status of safeguards, detailed resettlement plans (e.g., preparation, submission, compensation); (iii) climate resilience features adapted (bullet points), and (iv) O & M plan, which is due six months from completion of each subproject.

11. **Output 2: Climate-smart agriculture and agribusiness promoted.** Key activities include (i) deploying climate-resilient varieties; (ii) strengthening the capacity for climate-friendly production practices and technologies; and (iii) promoting farm mechanization and extension.

- (i) **Climate-resilient varieties:** The project aimed to support CARDI to produce, multiply, and distribute climate-resilient varieties of rice and maize and to improve weaning and acclimatization of mango and cassava. Because of differing views on the types of support needed by CARDI and GDA, the planned single source selection contract with IRRI did not materialize. The project supported CARDI in conducting (a) field demonstrations and seed distribution of climate-resilient rice (Phka Romduol – good grain quality and flood tolerant, Phka Romeat – salt tolerant; Phka Mealdey and CAR16 – heat tolerant; and Champei Sar70 – short duration and resistant to brown plant hopper and rice blast disease) and maize (CM1 and CHM01) varieties; and (b) six multi-location trials of rice (PRD/CAR11, PRD/RCH – submergence tolerant, SPD/SKO-01, CAR

15/pi21 – heat tolerant) seed multiplication, demonstration and 4 trials of CMD-resistant cassava lines from IITA in target provinces in 2023. CARDI aims to distribute 16 tons of seed for each climate resilient variety and seeks project support.

Agreed actions: CARDI confirmed during the mission that it does not require additional international support, including from IRRI, for deploying climate resilient varieties of rice and maize. However, CARDI requested international support on cassava for introducing cassava mosaic disease (CMD) and cassava witches' broom disease (CWBD) resistant clones from CIAT and IITA. CARDI has no plans to work on mangoes and advised the Mission to discuss with GDA for any needed support. The Mission agreed with CARDI's proposal to provide support through individual international consultants on cassava, and to support further deployment of maize hybrid CHM01 (GDA), which is drought and heavy rainfall tolerant, and disease resistant. The Mission also agreed to support CARDI's plans to produce and distribute 16 tons of climate resilient varieties of rice to target provinces.

- (ii) **Capacity building:** As of September 2023, the project trained 13,151 farmers (6,258 women) on CSA (102 workshops targeting 3075 farmers, including 1,719 women), SRP (179 workshops targeting 5,242 farmers including 3,102 women), agribusiness development (86 workshops targeting 2,232 AC board members including 629 women), CAMGAP (28 workshops), farm mechanization (68 workshops) and contract farming (6 workshops). The project trained 418 farmers (rice: 311; maize: 55 and cassava: 52) in seed production. The project identified 418.6 ha of rice field for laser land levelling benefiting 2,778 households. The project established 17 farmer water user communities (FWUCs) and organized 122 events to train 4,883 (1,324 women) representatives of FWUCs and farmer water user groups (FWUGs) and local authorities. Establishing and training FWUCs proved more expensive than the original budget.

Agreed actions: (i) Given the high target of 40,000 farmers (16,000 women) for capacity building, the Mission asked the team to accelerate efforts to train a further 27,000 farmers over the next 2 years by adopting multi-level training schemes. The PMU and CS2 team agreed to increase the number of Training of Trainers (ToT) trainers from GDA and training additional PPIU and PDAFF staff to deliver training to farmers. A revised capacity building plan will be prepared by 31 October 2023. (ii) As the cost of laser land levelling and associated training costs have increased by more than 15% from the time of project design, the Mission agreed with PMU's proposal to reduce the target for laser land levelling from 4,000 to 3,000 hectares. GCF was consulted on this. (iii) The establishment of 10 FWUCs in the remaining 10 irrigation subprojects and associated capacity building requires an additional budget of \$290,000. The Mission agreed to cover this under GCF grant for capacity building and requested the team to complete the works by December 2024.

- (iii) **Farm mechanization and extension:** The project constructed 3 provincial agricultural development centers (PADCs) in Kampong Cham, Takeo and Tbong Khmum in 2021 to serve as training centers at provincial level. The project also constructed farm mechanization and engineering workshops (FMEWs) in Kampong Cham, Kampot and Tbong Khmum in 2022. During project design, Kampot requested support for upgrading the existing PADC while Takeo requested support for upgrading the existing FMEC. However, both infrastructures decayed over time. Therefore, Kampot requested support for constructing a new PADC while Takeo requested support for constructing a new FMEW. The project will provide training to the PDAFF staff (9 staff) managing the

PADCs and FMEWs. The Mission noted that FMEWs could become financially sustainable if public-private partnerships (PPP) contracts could be arranged.

Agreed actions: The Mission agreed to the PMU's proposal of constructing a new PADC in Kampot and a FMEW in Takeo at a total cost of about \$200,000.

12. **Output 3: Enabling environment for climate-friendly agribusiness enhanced.** Key activities include (i) formulating climate-friendly agribusiness policies and standards; (ii) promoting green finance and risk-sharing mechanisms; and (iii) supporting climate risk management through information communication technology (ICT).

- (i) **Agribusiness policy and standards:** The project supported MAFF in preparing the draft Cambodian domestic biodigester standard and issuing the national biodigester policy in October 2021. The project developed manuals with standard operating procedures for testing the quality of organic fertilizers and biofertilizers, and nearly completed the preparation of the guidelines for the establishment and development of agricultural producer groups linked to the private sector and markets. The project's progress was limited in supporting ACs in becoming sustainable agribusiness ventures by linking up with the private sector and by establishing crop-centric PPP forums.

Agreed actions: (i) The Mission asked the CS2 team to review current agribusiness policies for rice, maize, cassava and mango and identify entry points for mainstreaming climate change adaptation and mitigation as well as gender issues by December 2024.³ (ii) On standards, the Mission asked the CS2 team to accelerate efforts to support finalization of tropical fruit CamGAP and develop an approach to pursuing commercialization of SRP standards by November 2024.

- (ii) **Green finance and climate risk sharing mechanisms:** The project collaborated with the Ministry of Environment (MOE), ARDB, NBC and Mekong Strategy Partners in establishment of green financing facility for Cambodia and trained 16 staff from ARDB and other banks and microfinance institutions on green finance and the integration of environmental and climate risk screening criteria into credit application and reporting procedures. The project developed extension materials, identified firms specializing in crop insurance and green loans, and organized two training courses on climate risk sharing for 77 participants (17 women) from PPIUs, banks, microfinance institutions and ACs in target provinces. The project organized crop-centric forums for 4 target crops; conducted 5 training courses for 199 participants (28 women); held 3 business forums for sensitizing 80 persons (11 women) on climate risk sharing mechanisms; 4 consultation forums on contract farming at the provincial level targeting 81 persons (16 women) and a ToT training on establishment of producer groups.
- (iii) **ICT platform for climate risk management:** Consulting team (CS4) was mobilized in February 2023 to develop a modular ICT platform for Kampong Cham province focusing on market, weather, credit information system, CSA, and climate risk management.⁴ The team prepared an inception report based on extensive stakeholder consultations. The Mission asked the team to expedite preparation of the platform by December 2024 to allow sufficient testing in 2025.

³ CS2 = Capacity Building and Climate Smart Agriculture Consulting Firm – (e-Gen Consultants Ltd.).

⁴ CS4 = Information Communication Technology (ICT) Platform for Climate Risk Management in Agribusiness Value Chains in Kampong Cham province (Resources Development Consultants (Pvt) Ltd.)

13. **Procurement:** The CFVAC project is following ADB's Procurement Guidelines (2015, as amended from time to time) and ADB's Guidelines on the Use of Consultants (2013, as amended from time to time). The project completed procurement for 80 AC storage units, 9 irrigation schemes and 28 road subprojects. Procurement for the remaining 18 irrigation schemes and 13 road subprojects will be completed in 2024. Remaining key packages for procurement include (a) post-harvest processing equipment; (b) biodigesters and compost huts, (c) laser land leveling; (d) construction of PADC in Kampot and FMEW in Takeo; and (e) materials for NAL.

14. The Mission noted that several contractors were awarded with more than three contracts under this project. The Mission reminded EA and IAs to always evaluate technical and financial capacity of the bidders against the total requirement of ongoing contracts under the same project. The Mission also requested PMUs in each ministry to assess the performance of the contractors to assess efficiency and value for money. These assessments can be compiled and referred to in the project completion report.

15. Considering the difficulty in getting qualified bidders for the construction of biodigesters and compost huts, the Mission in consultation with MEF decided to proceed with shopping or request for quotation (ref para 10 (v)). It is noted that delegation of procurement to subnational levels remains a challenge and instead suggested for increasing flexibility of contracting at national level. The option of having framework agreements with multiple contractors will be explored. The shopping method might also address the current financing gap by reducing the overhead costs. An updated consolidated procurement plan will be submitted to ADB by [31 October 2023](#).⁵

16. The Mission confirmed with MEF that recruitment of ITP was included in the original project cost under the external monitoring package (CS6) to be financed by the GCF grant. The Mission/PMU agreed to proceed with the recruitment on a request to change the recruitment method from QCBS to CQS considering the urgency to finish all irrigation and ponds construction in 2024 (ref para 9 (i)). ADB will consult internally and revert by [10 October 2023](#). The ITP is expected to be mobilized by November 2023.

17. **Consulting services.** Following the extension of the project, the Mission together with the EA and IAs discussed proposed cost adjustments with CS1, CS2, and CS5.⁶ Proposed cost adjustment for CS5 has been agreed, PMU and MEF to endorse the contract variation to ADB by [20 October 2023](#) and ADB to approved by [27 October 2023](#), to avoid further delays. In the meantime, MEF requested PMUs to improve consulting contract management by revisiting conditions for payment (i.e., future payments to consulting firms should be linked to their performance or outputs instead of solely time-based inputs, and PMU agreed with the suggestion). The proposed variations with CS1 and CS2 are to be completed by [30 November 2023](#) and submitted to ADB by [31 December 2023](#). Both the Mission and MEF expressed concerns on the high turnover of consultants and reminded the firms of the negative impact from such actions.

18. **Social Safeguards (Category B):** The Mission confirmed that the Land Acquisition and Resettlement Framework (LARF) prepared during the project processing was followed and

⁵ Includes updated schedule for procurement for remaining irrigation schemes, rural roads, and water harvesting ponds.

⁶ CS1 = project implementation consultants (PIC); CS2 = capacity building and climate smart-agriculture consultants; and CS5 = feasibility studies and detailed engineering design consultants.

implemented during the project implementation. Detailed resettlement plans (DRPs), due diligence reports (DDRs), and donation verification reports validated by ITP were disclosed on ADB's website and compensation disbursed to all entitled affected persons (APs) prior to the start of civil works. The Mission noted at least 10 variation orders (VOs) for civil work packages specifically for rural roads (8 schemes) and irrigation subprojects. The Mission reminded EA and IAs to carefully assess and reconfirm the IR impacts and report them to ADB for all those VOs prior to the start of civil work.

19. The Mission met with GDR staff and noted that timely review and clearance of the DRP by ADB is affected by limited access to the replacement cost surveys (RCS) report. As a workaround, the Mission and GDR agreed for CARM national social safeguards officer to go to the GDR office and carry out the due diligence on the RCS information presented in the DRP on a confidential basis. The Mission thanked GDR for their cooperation in resolving the issue and requested GDR to expedite review of the remaining 4 DRPs. The Mission at the site noted that all people who received compensation as per DRPs expressed full satisfaction. The Mission stressed that availability and remobilization of social safeguards consultants under CS1 and CS5 are needed to speed up the finalization of safeguards documents for the remaining subprojects and monitoring of related activities. Submission of semi-annual social safeguards report (SSMR) is slightly delayed due to the resignation of the national social safeguards specialist under CS1. SSMR for Jul-Dec 2022 due by [31 October 2023](#) and SSMR Jan-Jun 2023 by [30 November 2023](#) and SSMR Jul-Dec 2023 by [31 January 2024](#). The Mission reminded EA and MEF to reallocate sufficient budget to ensure that qualified consultants are on board till the completion of the project.

20. **Environmental Safeguards (category B).** Eleven IEEs (1 for MAFF, 6 for MOWRAM and 4 for MRD) for subprojects were prepared and disclosed on ADB website. The Mission met with PPIUs, local authorities, contractors, and about 40 villagers and 15 workers in four provinces to check EMP implementation. All stakeholders expressed satisfaction with the project without issues or complaints during construction. Civil works in ACs visited by the Mission were nearly completed. However, lids in most of the septic tanks were sealed by cement, hard to open to clean and remove septage periodically, needed for its proper functioning. In some cases, gas vents were missing, which is risky especially for sealed septic tanks. Based on interviews, some contractors did not provide drinking water, and workers used raw rainwater without boiling. The irrigation and road subprojects visited have largely followed EMP albeit an accident, indicating the need for continued efforts on safety. Detailed field observations are in Attachment 5 and the discussion on biodigesters is in Attachment 6. The Mission recommended the following actions:

- The importance of domestic compliance. The PMUs of the three IAs must consult with the MOE if any subproject falls into the requirement for approval by MOE.
- PMU and CS1 should work with contractors to address the deficits in the septic tanks noted above and record such measures in the future safeguards monitoring reports.
- The contractor must provide sufficient safe drinking water/boiled water to all workers.
- The open canal in Sopheas village should be improved for safety, for example by setting up a simple cover as access and using pole and rope or other equivalent as fence/barrier to avoid falling into canal especially near homes or school.
- For the grievance redress mechanism (GRM), the PMU of IAs must provide details of the complaint handling mechanism or project hotline, including contact details, on simple signboards at settlements, construction camps and other sites of activity.
- For biogas subprojects, the contractor must provide two additional options for farmers: to connect animal pen and/or toilet to the biodigester, both for improved sanitation and easier use.

- The contractor must provide a user booklet, poster, or other information materials to each household upon biodigester completion on a timely basis.

21. The Mission noted delays in the submission of the semi-annual environmental monitoring report (SEMR) due to the resignation of the national environment specialist early this year. A new national environment specialist under CS1 was mobilized on 1 July 2023. The revised SEMR #5 for Jul-Dec 2022 was received on 21 September 2023 and cleared by ADB on 22 September 2023. SEMR #6 for Jan-Jun 2023 was cleared by ADB on 21 September 2023. CS1 to submit the final and clean SEMR #5 and #6 to ADB by **10 October 2023**, along with the letter of endorsement from EA/IA for disclosure on ADB website. SEMR #7 for Jul-Dec 2023 is due by 31 January 2024.

22. **Gender Mainstreaming.** The project category is *effective gender mainstreaming* (EGM) and includes 14 targets and 7 actions outlined in the gender action plan (GAP). The GAP progress report was prepared and included as an appendix to the project progress report. However, the report needs improvement in terms of description and consistency of data corresponding to the GAP targets and actions.⁷ As of 30 September 2023, all 14 targets are on track, while 6 out of 7 actions are on track (Action 4 is off track). Updated GAP in Attachment 7. Note that the GAP progress report does not include the gender and development section. There is also a need to improve the organization and strengthen the GAP implementation report. The Mission noted that the turnover of consultants, particularly the CS1 gender and M&E consultants, and the limited involvement of MAFF with the Gender and Children Working Committee (GCWC) in GAP implementation contributed to the following concerns: (i) the GAP report does not provide a comprehensive and up-to-date overview of the project progress; (ii) the results data lacked a sex-disaggregated approach based on site visits; and (iii) the sectoral consultants and government focal points paid less attention to the gender-related results required by different indicators (e.g., the number of women employed in civil works, the number of women benefiting from biodigesters and compost huts, the number of women benefiting from the rehabilitated irrigation systems and rural roads, the training activities on CSA, agribusiness development skills, and green finance). The Mission met with CS1 gender consultant and M&E consultant to review, validate, and agree on actions to be taken after the MTR mission. The mission recommends the three PMUs to:

- (i) continue collecting additional data and information and improve the updated GAP implementation report based on the meeting between the ADB CARM gender team and CS1 consultants.
- (ii) strengthen monitoring and implementation of sex-disaggregated data and enhance the reporting of each GAP indicator by closely working with and mentoring the PMU, PIUs, PPIUs, and contractors on GAP results requirements.
- (iii) engage more women or female-headed households in capacity building, rehabilitated infrastructures, biodigesters and compost huts, agribusiness, and green finance initiatives.
- (iv) ensure that gender achievement reports are prepared regularly instead of using an ad-hoc mechanism. Additionally, refresh the GAP orientation for PMUs, PIUs, PPIUs and contractors to ensure a common understanding of the data to be reported.
- (v) ensure active engagement of gender focal points from MAFF GCWC in project activities, particularly in the intensification of the biodigesters promotion campaign involving women as active agents and strengthening participation of women in the selection and multiplication of climate-resilient crop varieties by involving WFN.
- (vi) considering the project's extension to 2026, additional inputs for a national gender specialist may be carefully considered based on needs, while ensuring the proper

⁷ See GAP Report Appendix.

- handover of knowledge products related to GAP implementation to the PMU during the period of preparation of the project completion report; and
- (vii) reinforce the remaining agreed actions from the 22 to 29 November 2021 loan review mission, including: (a) conducting a desk review of the gender analysis of target value chains and propose the scope of a detailed study, (b) integrating GAP activities and targets into the PPMS, (c) improving the quality of the GAP progress table and ensuring data consistency, and (d) developing an annual work plan for GAP implementation. An assessment of the social development and gender issues is in Attachment 8.

23. **Grievance Redress Mechanism:** The EA established project specific GRM, including public information booklet in 2020. GRM related to involuntary resettlement for any category B subproject was established specifically for each province. Posting of GRM mechanism was confirmed at the project site visited. The Mission reminded the PMU of IAs to keep logs of complaints received and how they were resolved, and to provide details of the complaint handling mechanism or project hotline, including contact details, on simple signboards at settlements, construction camps and other sites of activity. The Mission recommended further capacity building to implement GRM at provincial level.

24. **Financial management and audit:** The audited project financial statement (APFS) for 2022 from MAFF, MOWRAM and MRD were received on time and were found acceptable. Said reports were disclosed on ADB website. A common audit finding is to set up a realistic budget and provide sufficient justification for any deviation between actual expenditure and the proposed budget. Specific audit findings are:

- a. Under MAFF: Effective 1 January 2020, the government have adopted the Cash Basis of Accounting of Cambodian Public Sector Accounting (CPSAS) in accordance with the Prakas from the Ministry of Economics and Finance dated 14 October 2020 and the same CPSAS should be applied at the provincial and district level.
- b. Under MOWRAM: (i) The project must use sequential payment/ disbursement voucher number as reference to each payment transaction when posting into the General Ledger (GL). Any non-cash transaction entries such as adjustment, reversal or correct wrong posting, etc., the journal voucher reference shall be used to reference in the GL to ascertain the completeness of payments and make identification of missing journal entries easy. (ii) The project must check with Sage 50 accounting vendor to upgrade the accounting version, which allows a periodic review over the trail balance instead of limited to cumulative period. While upgrading of system is still pending, the Project shall prepare manual adjustments to generate the annual trial balance for supporting its annual financial reports; and reflect in the opening balances any post-closing adjustments agreed from prior year's audit.

25. The Mission requests the PMUs to address these findings from the management letters and corrective actions be monitored in the quarterly progress report as part of the financial management risk mitigation action plan. It is expected that these will be completely resolved by FY 2023 APFS.

26. **Disbursement.** The Mission noted that replenishment of advance account is taking time with several back and forth between the project accountant and ADB's Disbursement Unit. The Mission to coordinate with ADB's Disbursement Unit to conduct customized disbursement training and directly resolve issues. At the same time EA requested to increase the advance account

ceiling under the GCF grant to accommodate the implementation of biodigesters and compost huts. ADB and MEF supported the request provided the increase is justified by their expenditure plan or estimated expenditures for the next 6 months and frequent submission of withdrawal applications.⁸

27. **Reallocation of loan and grant proceeds, and adjustments to DMF indicators.** The Mission discussed with GCF, MEF, EA, and PMUs of IAs regarding preliminary estimates of cost overruns for various activities and the needed reallocations of loan and grant proceeds. It is estimated that about \$6.4 million would be required to cover additional expenses (MAFF: for PADC, FMEW, and biodigesters and compost huts; MOWRAM: establishment and training of 10 FWUCs; MRD: proposed VOs for roads; and Consulting services by CS1, CS2 and CS5) along with some reductions in DMF output indicators (e.g., biodigesters, RWHPs, laser land levelling area). Both GCF and MEF provided guidance and supported the idea of reallocations of savings from equipment, unutilized consulting and training budgets and savings from incremental operating costs. The GCF in principle supported proposed reallocations of GCF grant and requested the Mission to prepare a note in collaboration with CCSD. The Mission agreed to finalize reallocations of ADB loan and GCF grant proceeds after getting clearance of changes to the GCF grant. The Mission asked the cooperation of PMUs of IAs to efficiently use the incremental operating costs for the remaining project implementation period. The cost tables will be updated following the reallocation and an updated economic and financial analysis will be prepared to ensure the project's economic viability and sustainability. Upon receiving the request from MAFF, an endorsement letter from MEF requesting reallocation will be needed to facilitate ADB's internal approval procedure. The whole process needed for the approval of the reallocation are expected to be completed by 31 December 2023.

28. **Potential additional financing for Phase II.** Given the strong appreciation of project activities by direct beneficiaries in target provinces, all IAs requested the Mission to mobilize additional funds for phase II of the project. It is estimated that additional financing in the range of \$100-130 million would be required. For example, MRD provided all-weather connectivity to farms for only 41 ACs out of total 80 ACs and estimated a budget requirement of \$42 million to provide such connectivity to the remaining 39 ACs. MOWRAM identified that additional irrigation subprojects to cover agricultural area of all project ACs would require an additional allocation of \$32 million, including the rehabilitation of 300 RWHPs that were dropped from the current project due to budget limitations. Likewise, all target provinces identified additional ACs requiring post-harvest infrastructure facilities. MEF recognized the potential for such additional financing for phase 2.

29. **Project Performance Monitoring System (PPMS), and reporting requirements.** A new national M&E specialist was mobilized under CS1 in Q1 2023. The Mission requested the specialist to review the quarterly progress report and see where it can be improved. The Mission requested to improve the timely submission and quality of the progress report to help promptly identify issues and provide appropriate recommendations. The 2023 3rd quarterly progress report (Jul-Sep 2023) is due by 31 October 2023 and the 2023 annual progress report due by 31 January 2024.

30. **Governance and integrity issues:** The Mission reminded EA and IAs on the Schedule 5 of the loan agreement regarding anticorruption and integrity and stressed the need to pay special attention to such issues. The Mission stressed that (i) all contracts financed by ADB shall include

⁸ If turnover of withdrawal applications is less than 2x annually ADB's Controllers' Department may reduce the advance account balance.

provisions specifying the right of ADB to examine the records and accounts of EA and IAs, all project contractors, suppliers, consultants, and other service providers. The project web site must disclose implementation progress, bid notifications and results, provide grievance mechanism against any complaints, and include links to the ADB Anticorruption and Integrity Office.

31. **GCF reporting requirements:** The Mission noted that the consulting teams could not submit data required for preparing annual reports to GCF on time. The Mission asked the PMU and consulting teams to pay special attention to the GCF requirements of the annual progress reports.

32. **Compliance with loan and grant covenants:** The Mission discussed and confirmed the status of the loan and grant covenant compliance (Attachment 9).

33. **Transfer of project administration to Cambodia Resident Mission (CARM):** To provide additional direct support in project implementation, the Mission will slowly transfer administration responsibilities of the project to CARM while continuing to assist with technical matters. A formal letter will be issued to the government on the effectiveness of the transfer.

34. **Next review mission:** The EA accepted the Mission's proposal to have the next review mission in August 2024.

III. AGREED ACTION PLAN:

35. Below are the agreed actions to expedite project implementation.

Actions	Due by	Responsible	Para
2024 work plan and budget approved	15 Feb 2024	PSC	
Mobilization of independent third party or Donation Verification External Monitor	30 Nov 2023	MoWRAM / MEF	9 (i) – Agreed actions
Preparation of O&M for each AC, irrigation and road subprojects within 6 months from completion of the subproject	To be submitted together with the quarterly progress report	3 PMUs and CS1	9 (i) to (iii) – Agreed actions
Updated consolidated list of subprojects from MAFF, MOWRAM, MRD	31 Oct 2023	3 PMUs and CS1	10
Revised capacity building plan	31 Oct 2023	MAFF PMU / GDA / CS2	11 (ii) - Agreed actions
Agribusiness policies for rice, maize, cassava and mango reviewed and entry points for mainstreaming climate change adaptation and mitigation as well as gender, identified	31 Dec 2024	CS2	12 (i) - Agreed Actions
CamGAP for tropical fruit and commercialization of SRP standards	30 Nov 2024	CS2	12 (i) - Agreed Actions
ICT platform for Kampong Cham with focus on market, weather, credit information system, CSA	31 Dec 2024	EA / CS4 / PDAFF Kampong Cham	12 (iii)

Actions	Due by	Responsible	Para
and climate risk management established and operationalized			
Updated procurement plan to be submitted to ADB	31 Oct 2023	MAFF / PMUs / CS1	15
Contract variation for CS5 to be submitted to ADB	20 Oct 2023	MAFF/ PMUs / CS5	17
Contract variations for CS1 and CS2 to be submitted to ADB	31 Dec 2023	MAFF / PMUs / CS1 and CS2	17
Submission of LAR-SMR Jan-June 2023	Nov 2023	PMU/GDR	
Submission of LAR-SMR Jan-Dec 2023	Jan 2024	DIMDM/GDR	
SSMR Jul - Dec 2022 SSMR Jan - Jun 2023 SSMR Jul - Dec 2023	31 Oct 2023 30 Nov 2023 31 Jan 2024	MAFF / CS1	19
Mobilization of the national social safeguards' specialist under CS1	31 Oct 2023	MAFF/CS1	
Submission of SEMR#5 and SEMR#6 to ADB including endorsement letter to disclose the reports in ADB's website. SEMR #7 for July-Dec 2023	10 Oct 2023 31 Jan 2024	MAFF / CS1	21
Approval for reallocation of loan and grant proceeds and minor change in DMF	31 Dec 2023	PMU/ MEF / ADB	27
2023 3rd Quarter Progress Report	31 Oct 2023	MAFF / PMUs / CS1, CS2, CS4, and CS5	29
2023 Annual Progress Report	31 Jan 2024	MAFF / PMUs / CS1, CS2, CS4, and CS5	29
Next review mission	August 2024	ADB and PMU	31

IV. ACKNOWLEDGEMENTS

36. The Mission would like to express its sincere appreciation for RGC support during the mission. The next review mission is tentatively scheduled in August 2024 once ADB received the semi-annual progress report.

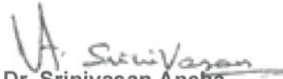
Signed in Phnom Penh, 16 October 2023

For the Royal Government of Cambodia



Dr. Sam Chhom Sangha
Project Director, CFAVC and
Deputy Secretary General
Ministry of Agriculture, Forestry and Fisheries

For the Asian Development Bank



Dr. Srinivasan Ancha
Principal Climate Change Specialist and
Mission Leader
Climate Change, Resilience and Environment
Cluster

- Attachment 1 – Mission schedule
- Attachment 2 – List of persons met
- Attachment 3 - DMF with Latest Achievement
- Attachment 4 - List of Laboratories Supplies
- Attachment 5 - Environment Safeguards Field Observation
- Attachment 6 - Discussion on Biodigesters
- Attachment 7 - Updated Gender Action Plan
- Attachment 8 - Assessment of the Social Development and Gender Issues during MTR
- Attachment 9 - Status of the Loan and Grant Covenants Compliance

Appendix 7: Status of Agreed Action Plan of MOU of ADB Mid-term Review Mission

AGREED ACTION PLAN IN MEMORANDUM OF UNDERSTANDING

Midterm Review Mission (25 September to 6 October 2023)

Below are the agreed actions to expedite project implementation.

NO	Actions	Due by	Responsible	Progress of implementation	Remarks
1	2024 work plan and budget approved	15 Feb 2024	PSC	On track Consolidated inputs from three ministries, departments and implementing agencies (MAFF, MRD, MoWRAM).	Project Director was reviewed the AWPB 2024. Project need to check the procurement code and linked formula.
2	Mobilization of independent third party or Donation Verification External Monitor	30 Nov 2023	MoWRAM / MEF	Submitted with late. The request for mobilization of independent third party or Donation Verification External Monitor was sent to ADB.	Immediately mobilized Mr. Y Chan San by ADB and it has already officially submitted (1) on 06 Dec 2023.
3	Preparation of O&M for each AC, irrigation and road subprojects within 6 months from completion of the subproject	To be submitted together with the quarterly progress report	3 PMUs and CS1	The AC was not completed 100%, so the O&M for each AC was organized the maintenance committees.	1-55 AC, maintenance committee have been identified and formation. 2-22 Road maintenance committee have been identified and formation. 3-17 FWUC have been formed and recognized by MOWRAM.
4	Updated consolidated list of subprojects from MAFF, MOWRAM, MRD	31 Oct 2023	3 PMUs and CS1	On track The consolidated list is already prepared and sent to MAFF-PMU. PMU will forward this to ADB.	Submitted to PMU 31 Oct 23
5	Revised capacity building plan	31 Oct 2023	MAFF PMU / GDA / CS2	On track Sent the revised training and capacity building plan to ADB on 31 October 23.	This revised plan was integrated in AWPB 2024 with all relevant stakeholders.
6	Agribusiness policies for rice, maize, cassava and mango reviewed and entry points for mainstreaming climate change adaptation and mitigation as well as gender, identified	31 Dec 2024	CS2	On track (need checking) CS2 and IA-GDA discussed the preparation of the road map on agribusiness policies based on MAFF minister is not allowed the consultant team to prepare the policy. In this case,	This activity is already integrated in the Annual Work plan and Budget 2024.

NO	Actions	Due by	Responsible	Progress of implementation	Remarks
				CS2 will work with GDA to develop the technical manual on Climate Smart of agriculture for Rice, Maize, Cassava.	
7	CamGAP for tropical fruit and commercialization of SRP standards	30 Nov 2024	CS2	On track (need checking) Under preparation the draft version of CamGAP for tropical fruit. CS2 will coordinate with GDA team to prepare it accordingly.	This activity is already integrated in the Annual Work-plan and Budget 2024.
8	ICT platform for Kampong Cham with focus on market, weather, credit information system, CSA and climate risk management established and operationalized	31 Dec 2024	EA / CS4 / PDAFF Kampong Cham	On track Summited architecture designed and sent to PMU on 27 Nov 2023 and PMU submitted ADB 01 Dec 2023.	Waiting NOL from ADB.
9	Updated procurement plan to be submitted to ADB	31 Oct 2023	MAFF / PMUs / CS1	Late. The procurement plan was prepared with agreed with PSC and submitted to MEF on November 2023. The project will wait the review from MEF.	Submitted to MEF (being reviewed).
10	Contract variation for CS5 to be submitted to ADB	20 Oct 2023	MAFF/ PMUs / CS5	Late: Submitted to ADB 20 Nov 2023.	
11	Contract variations for CS1 and CS2 to be submitted to ADB	31 Dec 2023	MAFF / PMUs / CS1 and CS2	Not yet Due Contract variations for CS2 was prepared and submitted to MAFF-PMU for reviewed and approved from Project Director.	MAFF-PMU will organize the PRC meeting on Tuesday next week.
12	Submission of LAR-SMR Jan-June 2023	Nov 2023	PMU/GDR	Late	Being prepared by SSS
13	Submission of LAR-SMR Jan-Dec 2023	Jan 2024	DIMDM/GDR	Late	
14	<ul style="list-style-type: none"> • SSMR Jul - Dec 2022 • SSMR Jan - Jun 2023 • SSMR Jul - Dec 2023 	<p>31 Oct 2023</p> <p>30 Nov 2023</p> <p>31 Jan 2024</p>	MAFF / CS1	<p>Late: Submitted to ADB on 08 Dec 2023</p> <p>The two SSMR have not yet prepared.</p>	<p>ADB disclosed website 19 Dec 2023.</p> <p>Recommended to combine these two SSMRs into one covering Jan-Dec 2023. PMU will request.</p>
15	Mobilization of the national social safeguards' specialist under CS1	31 Oct 2023	MAFF/CS1	Done. Mobilized on SSS on 04 Dec 2023 and TL on 18 Dec 2023.	<p>Done</p> <p>Mobilization on 4 Dec 2023</p>
16	Submission of SEMR#5 and SEMR#6 to ADB	10 Oct 2023	MAFF / CS1	Submitted to ADB 20 Oct 2023.	

NO	Actions	Due by	Responsible	Progress of implementation	Remarks
	including endorsement letter to disclose the reports in ADB's website. SEMR #7 for July-Dec 2023	31 Jan 2024		Not yet due.	
17	Approval for reallocation of loan and grant proceeds and minor change in DMF	31 Dec 2023	PMU/ MEF / ADB	MAFF-PMU was coordinated and sent to ADB but not yet replied.	EA needs to write the official letter to MEF. The MEF will send the official letter to ADB for minor change in the DMF.
18	2023 3rd Quarter Progress Report	31 Oct 2023	MAFF / PMUs / CS1, CS2, CS4, and CS5	About to be completed CS1 is already sent to PMU for report consolidation and MAFF-PMU was submitted to ADB.	CS2 team works closely with CS1 to prepare the Quarter Progress Report.
19	2023 Annual Progress Report	31 Jan 2024	MAFF / PMUs / CS1, CS2, CS4, and CS5	Not yet due CS1 will consolidate and submit to PMU for endorsement before sending to ADB.	
20	Next review mission	August 2024	ADB and PMU		

Appendix 8: Updated consolidated list of subprojects from MAFF, MOWRAM and MRD

Updated List of Subprojects = MAFF

Status of Subprojects (Batch I - 2020)

No	Province	AC Name	PCSS No. Assigned	AC Number	Scope of Works	Location Village, Commune, District
1	Kampot	Ratanak Polroth Samaki	0025	Lot1: CW3a/CFAVC/MAFF/2021/04	Construction of AC storage/ware house (100T)	Trapeang Tameas, Damnak Sokrom, Dang Tong
2		Prey kraing Meanrith	0025	Lot1: CW3a/CFAVC/MAFF/2021/04	Construction of AC storage/ware house (100T)	Prey Kraing Khang Cheung, Meanrith, Dang Tong district
3		Kasekor Samaki Rung Roeung	0025	Lot1: CW3a/CFAVC/MAFF/2021/04	Construction of AC storage/ware house (100T)	Kam Nab village, Srae Chaeng commune, Chum Kiri district
4		Samaky Amatak	0025	Lot1: CW3a/CFAVC/MAFF/2021/04	Construction of AC storage/ware house (50T)	Snay Anchit, village, Snay Anchet commune, Chum Kiri district
5		Sen Han Chamroeun phal	0025	Lot1: CW3a/CFAVC/MAFF/2021/04	Construction of AC storage/ware house (100T)	Trapeang Run, Samrong Leur commune, Banteay Meas district
6	Takeo	Trapaing Kranhoung	0026	Lot2: CW3a/CFAVC/MAFF/2021/05	Construction of AC storage/ware house (100T)	Trapeang Kranhoung village, Trapaing Kranhoung commune, Tramkak district
7		Samaky Trapaing Kralanh	0026	Lot2: CW3a/CFAVC/MAFF/2021/05	Construction of AC storage/ware house (100T)	Ang Trao village, Ou Saray commune, Tramkak district
8		Kampeng Sok Sen Sambour Agriculture Cooperative	0026	Lot2: CW3a/CFAVC/MAFF/2021/05	Construction of AC storage/ware house (50T)	Chi Mreak village, Kampeng commune, Kirivong district
9		Sdok Sdom	0026	Lot2: CW3a/CFAVC/MAFF/2021/05	Construction of AC storage/ware house (100T)	Rum Check-Thnoat village ,Taing Yab commune, Prey Kabas district
10		Stueng Slakuor Agriculture Cooperative	0026	Lot2: CW3a/CFAVC/MAFF/2021/05	Construction of AC storage/ware house (50T)	Dak Por village, Beung Kranh Khang Tboung commune, Samrong district
11	Tbong Khmum	Samaki Kak		Lot3: CW3a/CFAVC/MAFF/2021/06	Construction of AC storage/ware house (100T)	Phum Ang Keng, Samreuy and Trapeang Santhey and Koki village, Kak commune, Ponhea Kraek district
12		Ponhea Kraek Rongroeng	0028	Lot3: CW3a/CFAVC/MAFF/2021/06	Construction of AC storage/ware house (50T)	Lar village, Kaong Kang commune, Ponhea Kraek district
13		Samaki Dambae Agricultural Cooperative	0028	Lot3: CW3a/CFAVC/MAFF/2021/06	Construction of AC storage/ware house (200T)	Sre Kschach village, Dambae commune, Dambae district
14		DamBae Rungroeng	0028	Lot3: CW3a/CFAVC/MAFF/2021/06	Construction of AC storage/ware house (100T)	Khcheay village, Dambae commune, Dam Bae district
15		Kdey SongKhuem Kaksekor	0028	Lot3: CW3a/CFAVC/MAFF/2021/06	Construction of AC storage/ware house (200T)	Bei Maet village, Toul Snoul commune, Krouchhmar distict
16	Kampong Cham	Steung Trang Senchey	0027	Lot4: CW3a/CFAVC/MAFF/2021/07	Construction of AC storage/ware house (200T)	Soupheas commune, Steung Trang district
17		Sambo Meanchey	0027	Lot4: CW3a/CFAVC/MAFF/2021/07	Construction of AC storage/ware	Sambo, Poprok, Srap and Sopheas village, Sopheas

					house (100T)	commune, Steung Trang district
18		Akpiwat Srok Yoeung	0027	Lot4: CW3a/CFAVC/MAFF/2021/07	Construction of AC storage/ware house (100T)	Trapeang Thnoat village, Sour Sen commune, Prey Chhor district
19		Akphivath Multhan Yeung	0027	Lot4: CW3a/CFAVC/MAFF/2021/07	Construction of AC storage/ware house (100T)	Andoung Snay, Cheung Prey, Trabaek, Trayong Pong and Sdok Thom villages, Cheung Prey and Tang Krasang commune, Batheay district
20		Punlork Thmey	0027	Lot4: CW3a/CFAVC/MAFF/2021/07	Construction of AC storage/ware house (50T)	Phum Pou Sala Ti Mouy, Sach Sour, Damnak Chrey, Damnak Snay and Peam Chi korn villages, Peam Chi Korg and Prek Krabao commune, Kang Meas district

Status of Subprojects (Batch II - 2021)

No	Province	AC Name	PCSS No. Assigned	AC Number	Scope of Works	Location Village, Commune, District
21	Kampot	Chamreun Chey Preyao	0044	Lot 1: CW-b1/CFAVC/MAFF/2022-01	Construction of AC storage/ware house (50T)	Prey Yao village, Sre Knung commune, Chum kiri
22		Raksmeay Samaky Amatak	0044	Lot 1: CW-b1/CFAVC/MAFF/2022-01	Construction of AC storage/ware house (50T)	Chres village, Chres commune, Chumkiri district
23		Banteay Meas Sopheak Mongkol Agricultural Cooperative	0044	Lot 1: CW-b1/CFAVC/MAFF/2022-01	Construction of AC storage/ware house (100T)	Prey Kralanh Lech village, Tuok Meas Khang Lech commune, Banteay Meas district
24		Svay Phaaem Chamroeu Phal	0044	Lot 1: CW-b1/CFAVC/MAFF/2022-01	Construction of AC storage/ware house (50T)	Wat Angk Khang Cheung commune, Banteay Meas District
25		Ponleur Kaksekor Srok Chhuk Agricultural Cooperative	0044	Lot 1: CW-b1/CFAVC/MAFF/2022-01	Construction of AC storage/ware house (100T)	Pong Sat village, Sat Pong commune, Chhouk district
26		Kporprun Kamnitthmey Agricultural Cooperative	0044	Lot 1: CW-b1/CFAVC/MAFF/2022-01	Construction of AC storage/ware house (100T)	Kporp Run village, Srae Chaeng commune, Chum Kiri district
27		Rorbroum Samaky Rong Roeung Agricultural Cooperative	0044	Lot 1: CW-b1/CFAVC/MAFF/2022-01	Construction of AC storage/ware house (100T)	Thmei village, Thmei commune, Teuk Chhou district
28		Tuek Kraham Akpiwat Rik Chamroeu	0044	Lot 1: CW-b1/CFAVC/MAFF/2022-01	Construction of AC storage/ware house (100T)	Teuk Kraham village, Kandoal commune, Tuek Chhou district
29		Takeo	Trapeang Srange	0045	Lot 2: CW3-b2/CFAVC/MAFF/2022-02	Construction of AC storage/ware house (50T)
30	Samaki Trapeang Chak		0045	Lot 2: CW3-b2/CFAVC/MAFF/2022-02	Construction of AC storage/ware house (100T)	Trapeangchak village, Tramkak commune, Tramkak district
31	Baksey Rikreay		0045	Lot 2: CW3-b2/CFAVC/MAFF/2022-02	Construction of AC storage/ware house (100T)	Ang Baksey village, Cheung Tong commune, Tramkak district
32	Cheung Kuon Choukchey		0045	Lot 2: CW3-b2/CFAVC/MAFF/2022-02	Construction of AC storage/ware house (100T)	Cheung Koun village, Cheung Koun commune, Samroang district
33	Svayrun Amatak Agricultural Cooperative		0045	Lot 2: CW3-b2/CFAVC/MAFF/2022-02	Construction of AC storage/ware house (50T)	Svay Run village, Chumreapen commune, Samroang district

34		Punleu Kasikar	0045	Lot 2: CW3-b2/CFAVC/MAFF/2022-02	Construction of AC storage/ware house (100T)	Romoan village, Boeung Tranh Khang Cheung commune, Samroang district
35		Phumbey Samaky Agricultural Cooperative	0045	Lot 2: CW3-b2/CFAVC/MAFF/2022-02	Construction of AC storage/ware house (100T)	Krapum Chhuok village, Krapum Chhuok commune, Koah Andaet district
36		Ponleu Beng Krapom Chhouk Agricultural Cooperative	0045	Lot 2: CW3-b2/CFAVC/MAFF/2022-02	Construction of AC storage/ware house (100T)	Beng village, Krapum Chhuok commune, Koah Andaet district
37		Champa Prey Phdao Agricultural Cooperative	0045	Lot 2: CW3-b2/CFAVC/MAFF/2022-02	Construction of AC storage/ware house (50T)	Samraong village, Champa commune, Prey Kabas district
38		Phumbey Meanchey Agricultural Cooperative	0045	Lot 2: CW3-b2/CFAVC/MAFF/2022-02	Construction of AC storage/ware house (50T)	Chroy Sleng village, Kirichong Koah commune, Kirivong district
39		Morodak Rongreung Agricultural Cooperative	0045	Lot 2: CW3-b2/CFAVC/MAFF/2022-02	Construction of AC storage/ware house (100T)	Lvea Thmey village, Prambei Mum commune, Treang district
40		Lumpong Kasikam Samaky	0045	Lot 2: CW3-b2/CFAVC/MAA/2022-02	Construction of AC storage/ware house (100T)	Pean Meas Khang Keut village, Lumpong commune, Bati district
41		Sensok Tekthla Agricultural Cooperative	0045	Lot 2: CW3-b2/CFAVC/MAA/2022-02	Construction of AC storage/ware house (50T)	Teuk Thla village, Trapeang Krasang commune, Bati district
42	Tbong Khmum	Dar-Memot Pepper	0047	Lot 2: CW-3b2/CFAVC/MAFF/2022-02	Construction of AC storage/ware house (200T)	Chamkar Kor village, Da commune, Memot district
43		Popel Meanchey	0047	Lot 2: CW-3b2/CFAVC/MAFF/2022-02	Construction of AC storage/ware house (100T)	Toul Chan villages, Popel commune, Ponhea Kraek district
44		Akphirik Ponhea Kraek Dambae	0047	Lot 2: CW-3b2/CFAVC/MAFF/2022-02	Construction of AC storage/ware house (200T)	Popel village, Popel commune, Ponhea Kraek district
45		Chey Nikum Meanchey	0047	Lot 2: CW-3b2/CFAVC/MAFF/2022-02	Construction of AC storage/ware house (100T)	Chey Nikum village, Kandoal Chrum commune, Ponhea Kraek district
46		Romdoul Dontey Agricultural Cooperative	0047	Lot 2: CW-3b2/CFAVC/MAFF/2022-02	Construction of AC storage/ware house (50T)	Angkor Leu village, Dountei commune, Ponhea Kraek district
47		Lngieng Meanchey	0047	Lot 2: CW-3b2/CFAVC/MAFF/2022-02	Construction of AC storage/ware house (200T)	Smounh village, Lngeang communes, Tbong Khmum district
48		Baitong Kok Srok	0047	Lot 2: CW-3b2/CFAVC/MAFF/2022-02	Construction of AC storage/ware house (100T)	Kok Srok village, Koksrok commune, Dambae district
49		Samaki Meanchey	0047	Lot 2: CW-3b2/CFAVC/MAFF/2022-02	Construction of AC storage/ware house (100T)	Chamkar Kor village, Chak commune, Ou Reang Ov district
50		Romchek Meanchey	0047	Lot 2: CW-3b2/CFAVC/MAFF/2022-02	Construction of AC storage/ware house (200T)	Kampey village, Rumchek commune, Memot district
51		Seda Meanchey	0047	Lot 2: CW-3b2/CFAVC/MAFF/2022-02	Construction of AC storage/ware house (200T)	Sedasenchey village, Dambae commune, Dambae district
52	Kampong Cham	Akphivat Kaksekor-Agricultural Cooperative	0046	Lot 1: CW-3b2/CFAVC/MAFF/2022-01	Construction of AC storage/ware house (100T)	Sa Ang village, Trapeang Kor commune Cheung Prey district
53		Chealea Akphivat Agricultural Cooperative	0046	Lot 1: CW-3b2/CFAVC/MAFF/2022-01	Construction of AC storage/ware house (100T)	Chea Lea village, Chea Lea commune, Batheay district
54		Sammky Mohakhnhoung	0046	Lot 1: CW-3b2/CFAVC/MAFF/2022-01	Construction of AC storage/ware house (50T)	Chong Khnhoung village, Moha Khnhoung commune, Kaoh Sotin district
55		Samaki Baray Andong AAng	0046	Lot 1: CW-3b2/CFAVC/MAFF/2022-01	Construction of AC storage/ware house (100T)	Prey Rumdeng villages, Baray communes, Prey Chhor district

Status of Subprojects (Batch III - 2022)

No	Province	AC Name	PCSS No. Assigned	AC Number	Scope of Works	Location Village, Commune, District
56	Kampot	Po Chum Meachey AC		Lot 1: CW-3b3/CFAVC/MAFF/2022-01	Construction of AC storage/ware house (100T)	Pochum village, Dambok Khpos commune, Ankorcheay district
57		Kampong Trach Chamroeun Kasekor AC		Lot 1: CW-3b3/CFAVC/MAFF/2022-01	Construction of AC storage/ware house (100T)	Koh Kloutch village, Kampong Trach Khang Keut commune, Kampong Trach district
58		Ponhea Angkor Chamroeun Chey AC		Lot 1: CW-3b3/CFAVC/MAFF/2022-01	Construction of AC storage/ware house (100T)	Ponhea Ang village, Wat Ang Khang Cheung commune, Banteay Meas district
59		Samaky Baitang AC		Lot 1: CW-3b3/CFAVC/MAFF/2022-01	Construction of AC storage/ware house (100T)	Taphul village, Snay Anchet commune, Chum kiri district
60	Takeo	Khpob Svay Samaky AC		Lot 2: CW-3b3/CFAVC/MAFF/2022-02	Construction of AC storage/ware house (100T)	Khpob Svay village, Trapeang Kranhoung commune, Tramkak district
61		Samaky Meanchey Phlov Lork AC		Lot 2: CW-3b3/CFAVC/MAFF/2022-02	Construction of AC storage/ware house (100T)	Phlov Lok village, Ta Ou commune, Kirivong district
62		Udom Soriya AC		Lot 2: CW-3b3/CFAVC/MAFF/2022-02	Construction of AC storage/ware house (50T)	Taso village, Udom Sorya commune, Tramkok district
63		Toul Preah Vihear AC		Lot 2: CW-3b3/CFAVC/MAFF/2022-02	Construction of AC storage/ware house (100T)	Pon tong village, Ban Kam commune, Prey Kabas district
64		Sambuor Chamroeunphal AC		Lot 2: CW-3b3/CFAVC/MAFF/2022-02	Construction of AC storage/ware house (50T)	Pou village, Sambour commune, Traing district
65		Phum Boeng Amatak AC		Lot 2: CW-3b3/CFAVC/MAFF/2022-02	Construction of AC storage/ware house (100T)	Beung village, Chumreaspenn commune, Samroang district
66		Kiri Udom Ta Ou AC		Lot 2: CW-3b3/CFAVC/MAFF/2022-02	Construction of AC storage/ware house (100T)	Som village, Ta Ou commune, Kirivong district
67		Ponleu Saireang AC		Lot 2: CW-3b3/CFAVC/MAFF/2022-02	Construction of AC storage/ware house (100T)	Chung Ankor village, Pich Sa commune, Koah Andaet district
68		Sokpheap Yeung AC		Lot 2: CW-3b3/CFAVC/MAFF/2022-02	Construction of AC storage/ware house (100T)	Mrum village, Ta Phem commune, Tramkak district
69		Damrey Rameal AC		Lot 2: CW-3b3/CFAVC/MAFF/2022-02	Construction of AC storage/ware house (100T)	Trapeang village, Trapeang Thom Khang Tboung commune, Tram Kak district
70		Samphlee Angkor Raingsey AC		Lot 2: CW-3b3/CFAVC/MAFF/2022-02	Construction of AC storage/ware house (100T)	Kor village, Preykhla commune, Koh Andaet district
71		Phnom Den Sen Sok AC		Lot 2: CW-3b3/CFAVC/MAFF/2022-02	Construction of AC storage/ware house (100T)	Toteung village, Phnom Den commune, Kirivong district
72	Tbong Khmum	Kasekor Dambae AC		Lot 4: CW-3b3/CFAVC/MAFF/2022-04	Construction of AC storage/ware house (100T)	Sramar village, Teukchrov commune, Dambae district
73		Svay Chanty Ramchek AC		Lot 4: CW-3b3/CFAVC/MAFF/2022-04	Construction of AC storage/ware house (200T)	Chheu Khlem village, Rumchek commune, Memot district
74		Chiro Rungroeueng AC		Lot 4: CW-3b3/CFAVC/MAFF/2022-04	Construction of AC storage/ware house (100T)	Kampong Russey village, Chiro commune, Tboung Khmum district
75		Or Reang Ov Meanchey AC		Lot 4: CW-3b3/CFAVC/MAFF/2022-04	Construction of AC storage/ware house (100T)	Tumneap village, Kong Chey commune, O Reang Ov district
76		Samaky Khum Mean AC		Lot 4: CW-3b3/CFAVC/MAFF/2022-04	Construction of AC storage/ware house (100T)	Prey Sambo Khanglech village, Mean commune, O reang Ov district
78	Kampong Chhnang	Troutrong Kasekor AC		Lot 3: CW-3b3/CFAVC/MAFF/2022-03	Construction of AC storage/ware house (200T)	Khtuy Bey village, O'Mlou commune, Steung Trang district

78	Kvet Thom Rik Chamroeun AC		Lot 3: CW-3b3/CFAVC/MAFF/2022-03	Construction of AC storage/ware house (100T)	Khvet Thom village, Khvet Thom commune, Prey Chhor district
79	Han Chey AC		Lot 3: CW-3b3/CFAVC/MAFF/2022-03	Construction of AC storage/ware house (100T)	Hanchey village, Hanchey commine, Kampong Siem district
80	Reamear Cheung Prey AC		Lot 3: CW-3b3/CFAVC/MAFF/2022-03	Construction of AC storage/ware house (100T)	Chheur Teal village, Pdao Chum commune, Cheung Prey district

Updated List of Subprojects = MOWRAM

N o.	Package Number	Subproject Name	Command area, ha	No of Subproject package	Commune	District	Provi nce
Batch Number I							
1	KP-TR-CW2	Trapeang Run Reservoir Scheme	100	1	Tani	Ankor Chey	Kampot
2	CFAVC-MOWRAM-TBM-CW13.1	Kbal Teuk Reservoir Scheme	250	3	Phreah Theat	O Rang Ov	Tboun g Khmu m
3		Tuol Pring Reservoir Scheme	100		Mong Riev	Tboun g Khmu m	
4		Trapeang Tros Reservoir Scheme	350		Tmar Pech	Tboun g Khmu m	
5	CFAVC MOWRAM-KPC-CW14.1	Pram Kompheak Reservoir Scheme	950	2	Lvea Leu/Svay Teab	Chamkar Leu	Kamp ong Cham
6		O'kamprok Feeding Canal	350		Preah Angdoug	Steung Trang	
7	CFAVC MOWRAM-TKO-CW15.1	Prey Kdoch Reservoir Scheme	550	2	Trapeang Kranhoung	Tram Kak	Takeo
8		Kraing Empil Reservoir Scheme	200				
9	CFAVC MOWRAM-KPT-CW12-1	Takoch Reservoir Scheme	400	1	Srae Knong	Chum Kiri	Kampot
Batch Number II							
10	CFAVC-MOWRAM-KPT-CW12.2B	Kandoal Feeding Canal	750	3	Kandoal/Thm ei	Teuk Chhou	Kamp ot
11		Bravoek Pong Reservoir Scheme	70		Trapeang Pring/Koun Sath	Teuk Chhou	
12		Trapeang Boeung Reservoir Scheme	800		Tramaeng/Krang Sbov/Sat Pong	Chhuk	
13	CFAVC-MOWRAM-TBM-CW13.2	Tboun Damrei Reservoir Scheme	600	2	Chhuk	Krouch Chmar	Tboun g Khmu m
14		Kampong Raing Feeding Canal	350		Seda	Damba e	
15	CFAVC-MOWRAM-KPC-CW14.2	Teuk Char West Reservoir Scheme	980	2	Beung Nay/Sampong Chey/Trapeang Kor	Prey Chhor	Kamp ong Cham
16		Po Tatress Reservoir Scheme	950		Trab/Tang Krasang	Batheay	
17	CFAVC-MOWRAM-TKO-CW15.2	Chrouk1 + Phlov Touk Feeding Canal	975	3	Phnom Den/Kiri Chong Kaoh /Kamnab	Kirivong	Takeo
18		Prey Romdeng Feeding Canal	650		Prey Romdeng/Ta Ou/Thnoat Chong Srang	Kirivong	
19		Kwaeng Tayee Feeding Canal	970		Prey Yuthka	Koh Andet	
Batch Number III							
20	CFAVC-MOWRAM-TBM-CW13.3	Trapeang Ampil Reservoir Scheme	200	2	Chi Kor	Tboun g Khmu m	Tboun g Khmu
22		Choam Taheung Reservoir	987		Teuk	Damba	

1		Scheme			Chrov/Chong Cheach	e	m
2 2	CFAVC MOWRAM-KPC-CW14.3	Teuk Char East Reservoir Scheme	980	1	Beung Nay/Krouch/Kor/Prey Chhor/Sour Saen	Prey Chhor	Kampong Cham
2 3	CFAVC-MOWRAM-TKO-CW15.3	Pralay 95 Feeding Canal	850	2	Krapom Chhuk	Koh Andet	Takeo
2 4		Pralay 42 Feeding & pumping Station	650		Rominh/Prey Khla	Koh Andet	
2 5	CFAVC-MOWRAM-TKO-CW15.4	Ta Oum Reservoir Scheme	160	3	Kus	Tram Kak	Takeo
2 6		Sdok Sab Reservoir Scheme	300		Samraong	Tram Kak	
2 7		Pou Tasuy Reservoir Scheme	635		Kampeng	Kirivong	

No	Ponds	No of Ponds	Location
1	Kampot 80 RWHPs in Batch I	80	Kampot
2	Tbong Khmum 63 RWHPs in Batch I	63	Tbong Khmum
3	Kampong Cham 66 RWHPs in Batch I	66	Kampong Cham
4	Takeo 69 RWHPs in Batch I	69	Takeo
	Total ponds	278	

Updated List of Subprojects = MRD

No	Description	No of Subproject	Location
Batch 1			
1	Lot 1, Improve 1 Road, 10.00 Km, (Takeo)	1	Takeo province
2	Lot 2, Improve 1 Road, 4.67.00 Km, (Takeo)	1	Takeo province
3	Lot 1, Improve 1 Road, 9.774km (Tboung Khmum)	1	Tboung Khmum
4	Lot 2, Improve 1 Road, 12.00km (Tboung Khmum)	1	Tboung Khmum
5	Lot 1, Improve 1 Road, 9.882km (Kampong Cham)	1	Kampong Cham
6	Lot 2, Improve 1 Road, 4.721km (Kampong Cham)	1	Kampong Cham
7	Lot 1, Improve 1 Road, 11,948.05m (Kampot)	1	Kampot
8	Lot 2, Improve 1 Road, 8,104.00m (Kampot)	1	Kampot
	Total roads	8	
Batch 2			
1	Lot 1, Improvement of 13.976 km (Takoe)	1	Takoe
2	Lot 2, Improvement of 12.761 km (Takoe)	1	Takoe
3	Lot 1, Improvement of 12.963 km (Kampot)	1	Kampot
4	Lot 2, Improvement of 9.098 km (Kampot)	1	Kampot
5	Lot 1, Improvement of 9.425 km (Kampong Cham)	1	Kampong Cham
6	Lot 2, Improvement of 12.460 km (Kampong Cham)	1	Kampong Cham
7	Lot 1, Improvement of 16,370 (Tboung Khmum)	1	Tboung Khmum
8	Lot 2, Improvement of 12.891 km (Tboung Khmum)	1	Tboung Khmum
	Total roads	8	
Batch 3			
1	Improvement of 21.806 km (Tboung Khmum)	1	Tboung Khmum
2	Improvement of 7.78 km (Kampong Cham)	1	Tboung Khmum
3	Improvement of 20.08 km (Takeo)	1	Takeo
4	Improvement of 12.39 km (Kampot)	1	Kampot
5	Improvement of 18.43 km (Takeo)	1	Takeo
	Total roads	5	
Total Road Subprojects		21	

Appendix 9: Environment Monitoring for Subprojects under MAFF, MOWRAM and MRD

Subprojects of MAFF

Batch	Package Number	Province	District	Commune	Subproject Name	Number of Subprojects/Package	Storage Capacity (Tone)	Category for Environment	Date of First IEE Submitted to ADB	Date ADB NOL for IEE	Contract Name	Contract Signed Date	Civil Works Started Date	Construction Completed (estimated as %)
2022 (Batch 3)	CW-3b3/CFAVC/MAFF/2022-01 Lot 1 Batch 3	Kampot	Angkor Chey	Dambork Khpos	Pauchhum Meanchey AC	1	100	C	NA	8-Jul-21	KBH	3-May-23	NA	100%
			Kampong Trach	Kampong Trach Khang Kaut	Kampong Trach Chamroeun Kasekor AC	1	100	C	NA	8-Jul-21	KBH	3-May-23	NA	100%
			Banteay Meas	Wat Ang Khang Cheung	Ponhea Angkor Chamroeun Chey AC	1	100	C	NA	8-Jul-21	KBH	3-May-23	NA	100%
			Chum Kiri	Snay Angchet	Samaky Baitang AC	1	100	C	NA	8-Jul-21	KBH	3-May-23	NA	100%
	CW-3b3/CFAVC/MAFF/2022-02 Lot 2 Batch 3	Takeo	Tram Kak	Trapeang Kranhoung	Khpor Svay Samaky AC	1	100	C	NA	8-Jul-21	KBH	3-May-23	NA	100%
			Tram Kak	Trapeang Kranhoung	Samaky Meanchey Phlov Lork AC	1	100	C	NA	8-Jul-21	KBH	3-May-23	NA	100%
			Tram Kak	Udom Soriya	Udom Soriya AC	1	50	C	NA	8-Jul-21	KBH	3-May-23	NA	100%
			Prey Kabbas	Ban Kam	Toul Preah Vihear AC	1	100	C	NA	8-Jul-21	KBH	3-May-23	NA	100%
			Traing	Sambour	Sambuor Chamroeunphal AC	1	50	C	NA	8-Jul-21	KBH	3-May-23	NA	100%
			Samraong	Chhum Reh Pein	Phum Boeng Amatak AC	1	100	C	NA	8-Jul-21	KBH	3-May-23	NA	100%
			Kiri Vong	Ta Ou	Kiri Udom Ta Ou AC	1	100	C	NA	8-Jul-21	KBH	3-May-23	NA	100%
			Koh Andet	Peach Sa	Ponleu Sareireng AC	1	100	C	NA	8-Jul-21	KBH	3-May-23	NA	100%

			Tram Kak	Ta Phen	Sokpheap Yeung AC	1	100	C	NA	8-Jul-21	KBH	3-May-23	NA	100%
			Tram Kak	Trapeang Thom Khang Tbong	Damrey Ramiel AC	1	100	C	NA	8-Jul-21	KBH	3-May-23	NA	100%
			Koh Andet	Prey Khla	Samphly Angkor Rainsey AC	1	100	C	NA	8-Jul-21	KBH	3-May-23	NA	100%
			Kirivong	Phnom Daen	Phnom Den Sen Sok AC	1	100	C	NA	8-Jul-21	KBH	3-May-23	NA	100%
	CW-3b3/CFAVC/MAFF/2 022-03 Lot 3 Batch 3	Kampong Cham	Steung Trang	O' Mlou	Tratrong Kasekor AC	1	200	C	NA	8-Jul-21	KBH	3-May-23	NA	100%
Prey Chhor			Khvaet Thom	Khwaet Thom Rik Chamreun AC	1	100	C	NA	8-Jul-21	KBH	3-May-23	NA	100%	
Kampong Siem			Han Chey	Han Chey AC	1	100	C	NA	8-Jul-21	KBH	3-May-23	NA	100%	
Cheung Prey			Phdao Chhum	Reamear Cheung Prey AC	1	100	C	NA	8-Jul-21	KBH	3-May-23	NA	100%	
	CW-3b3/CFAVC/MAFF/2 022-04 Lot 4 Batch 3	Tboung Khmum	Dambae	Toek Chrov	Kasekor Dambae AC	1	100	C	NA	8-Jul-21	KBH	3-May-23	NA	100%
Memot			Rumchek	Svay Chanty Rumchek AC	1	200	C	NA	8-Jul-21	KBH	3-May-23	NA	100%	
Tboung Khmum			Chi Ro	Chiro Rungroeng AC	1	100	C	NA	8-Jul-21	KBH	3-May-23	NA	100%	
Or Reang Ov			Kang Chey	Oraing Ov Meanchey AC	1	100	C	NA	8-Jul-21	KBH	3-May-23	NA	100%	
Or Reang Ov			Mean	Samaky Khum Mean AC	1	100	C	NA	8-Jul-21	KBH	3-May-23	NA	100%	
	Total	4	14	24	25	25								

Subprojects of MOWRAM

Year	Package Number	Province	Commune	District	Subproject Name	No. of Subprojects/ Package	Command area, ha	Environmental Category	Status of IEE Preparation (%)	Date of IEE Submitted to ADB	Date ADB NOL for IEE	Contractor Name	Contract Date	Status of Environmental Safeguards (EMP)	Civil Work Started Date	Construction Completed (%)
1. Planned for Project Feasibility study and Detailed Engineering Design (DED) in 2020 (Batch 1)																
2021	CFAVC-KP-TP-CW2	Kampot	Tani	Angkor Chey	Trapeang Run	2	100	B	100%	10-Jun-20	21-Jul-20	KBH	10-Nov-20			100%
	MOWRAM-CFAVC- KPT-CW12.1		Srae Khnung	Chuom Kiri	Takouch (Prey Takoch)		400	B	100%	Resubmitted 25 May 22			14-Dec-22	OK		100%
	CFAVC-RWHP-KAM-CW01-A.1				Rainwater harvesting community pond	80			100%	Jan-21	8-Jul-21		27-Jul-23			
	MOWRAM-CFAVC- TBM-CW13.1	Tboung Khmum	Preah Theat	O' Reang Ov	Kbal Teuk reservoir	3	250	B	100%	4-Nov-20	11-Feb-21	Soeun Soknan	2-Aug-21		9-May-22	100%
			Chikor	Tbong Khmum	Tuol Pring Reservoir		100	B	100%	4-Nov-20	11-Feb-21				100%	
			Thmar Pech	Tbong Khmum	Trapeang Tros Reservoir		350	B	100%	4-Nov-20	11-Feb-21				100%	
	CFAVC-RWHP-TBM-CW01-B.1				Rainwater harvesting community pond	63				Jan-21	8-Jul-21					
MOWRAM-CFAVC- KPC-CW14.1	Kampong Cham	Lvea Leu & Svay Teap	Chamkar Leu	Pram Kumpheak Reservoir	2	950	B	100%	15-Dec-21	4 Jan.22	Ung Ssimasia	30-Dec-22			100%	

			Preach Andong	Stueng Trang	O Kamprok Feeding Canal		350	B	100%	15-Dec-21	4 Jan.22		30-Dec-22			100%
	CFAVC-RWHP-KPC-CW01-C.1				Rainwater harvesting community ponds	66				Jan-21	8-Jul-21					
	MOWRAM-CFAVC-TEO-CW15.1	Takeo	Trapeang Kranhoung	Tram Kak	Prey Kdouch Reservoir	2	550	B	100%	16-Mar-21	25-Jun-21	KBH	3-Jan-22	OK		100%
			Trapeang Kranhoung	Tram Kak	Kraing Empil Reservoir		200	B	100%	16-Mar-21	25-Jun-21			OK		100%
	CFAVC-RWHP-TEO-CW01-D.1				Rainwater harvesting community pond	69			100%	Jan-21	8-Jul-21					
Sub-Total of the rehabilitation irrigation schemes and the command areas						9	3,250									
Sub-Total of Rainwater Harvesting Community Ponds						278	-									
2. Planned for Project Feasibility Study and DED in 2021 (Batch 2)																
2022	MOWRAM-CFAVC-KPT-CW12.2A	Kampot	Sathpong/Trameng/Baniev	Chhouk	Trapeang Boeung Reservoir	3	800	B	100%	6-Apr-22	3-Aug-23					
	MOWRAM-CFAVC-KPT-CW12.2B		Kandoal & Thmei commune,	Teuk Chhou	Kandoal Feeding Canal		750	B	100%	6-Apr-22	3-Aug-23					
			Trapeang Pring & Koun Sat	Teuk Chhou	Broweak Pong Reservoir		70	B	100%	6-Apr-22	3-Aug-23					
	CFAVC-RWHP-KAM-CW01-A.2				Rainwater harvesting community pond	60			100%	Jan-21	8-Jul-21					
	MOWRAM-CFAVC-TBM-CW13.2	Tboung Khmum	Chhouk	Krouch Chmar	Tboung Damrei Reservoir	2	600	B	100%		3-Aug-23					
Seda			Dambae	Kampong Raing Feeding Canal	250		B	100%		3-Aug-23						

	CFAVC-RWHP-TBM-CW01-B.2				Rainwater harvesting community pond	60			100%	Jan-21	8-Jul-21							
	MOWRAM-CFAVC-KPC-CW14.2	Kampong Cham	Cheung Prey	Batheay	Pou Tatress	2	950	B	100%	6-Apr-22								
			Beung Nay & Sampong commune,	Prey Chhor	Teuk Char West Reservoir Scheme		980	B	100%	6-Apr-22								
	CFAVC-RWHP-KPC-CW01-C.2					Rainwater harvesting community pond	50			100%	Jan-21	8-Jul-21						
	MOWRAM-CFAVC-TEO-CW15.2		Takeo	Phnom Den	Kirivong	Chrouk1 + Phlov Touk Feeding Canal	3	975	B	100%	6-Apr-22	3-Oct-23						
		Prey Yuthkar		Koh Andet	Kwaeng Tayee Feeding Canal	970		B	100%	6-Apr-22	3-Oct-23							
		Prey Romdeng		Kirivong	Prey Romdeng Feeding Canal	650		B	100%	6-Apr-22	3-Oct-23							
	CFAVC-RWHP-TEO-CW01-D.2					Rainwater harvesting community pond	40			100%	Jan-21	8-Jul-21						
Sub-Totals of the rehabilitation irrigation schemes and the command areas						10	5028											
Sub-Total of Rainwater Harvesting Community Ponds						210												
3. Planned for Project Feasibility Study and DED in 2022 (Batch 3)																		
	CFAVC-RWHP-KAM-CW01-A.3	Kampot			Rainwater harvesting community pond	50			100%	Jan-21	8-Jul-21							
2023	MOWRAM-CFAVC-TBM-CW13.3	Tboung Khmum	Teuk Chrov	Dambae	Choam Taheung	2	987		Pending									
			Thmar Pich	Tbong Khmum	Trapaing Ampil		200		Pending									

	CFAVC- RWHP-TBM- CW01-B.3				Rainwater harvesting community pond	60			100%	Jan-21	8-Jul-21								
	MOWRAM- CFAVC- KPC- CW14.3	Kampong Cham	Krouch	Prey Chhor	Teuk Cha East	2	980		Pending										
	CFAVC- RWHP-KPC- CW01-C.3					Rainwater harvesting community pond	60			100%	Jan-21	8-Jul-21							
	MOWRAM- CFAVC- TEO- CW15.3	Takeo	Kropum Chhouk	Koh Andet	Pralay 95	4	850		80%										
			Rominh	Koh Andet	Pralay 42 (pumping Station)		650		80%										
			Kampeng	Kirivong	Pou Tasuy Reservoir		635		Pending										
			Samraong	Tram Kak	Sdok Sab		300		Pending										
			Prey Romdeng	Tram Kak	Ta Oum Reservoir		160		Pending										
	CFAVC- RWHP-TEO- CW01-D.3				Rainwater harvesting community pond	60			100%	Jan-21	8-Jul-21								
Sub-Totals of the rehabilitation irrigation schemes and the command areas						8	7,420	All Rain Water Harvesting Ponds in Batch III are planned to be dropped due to the shortage budget, there will construct only 500 RWHPs which can be in Batch I (278 RWHPs) and Batch II (222 RWHPs). There are 6 irrigation schemes are pending for Environmental Safeguards Specialist of CS5 to be remobilized											
Sub-Total of Rainwater Harvesting Community Ponds						230													
Total irrigation schemes planned to be constructed over period of 3 years is 32 irrigation schemes and total of						27	15,698												
Total of Rainwater Harvesting Community Ponds						718													
Note:																			
Empty cells mean that there are no data available.																			
OK means EMP was considered as satisfactory																			

Subprojects of MRD

Package	contractor	length (km)	Location				CEMP		progress (%)	Date of contract
			village	commune	District	Province	yes	no		
Lot 1-CW17b-CFAVC-MRD-TK3-2020	Henan Water Construction Group Co., Ltd (HENAN)	10	Khnar Tung	Kumareachea-Lumphong	Batie	Takeo		√	99%	18-Jan-22
CW17a-CFAVC-MRD-KP-1A-Batch2		6.395	Ratanak Pulrath Samaki	KP18		Takeo		√	31%	18-Oct-23
		6.568	Preykrang Meanrit	KP19		Takeo		√		
Lot 1-CW17b-CFAVC-MRD-TK4-2020	Hout Chhoeun Construction Co., Ltd	4.67	Wat Ang Andaet - Kraing Ampil	Taing Yab	Prey Kabas	Takeo	√		100%	18-Jan-22
Lot 1-CW17c-CFAVC-MRD-TBK5-2020	Heng Sambat Co. Ltd. Import Export Transportation & Construction (HSB)	9.77	Khcheay-Chheuteal Chrum		Dambae	Tboung Khmum	√		98%	17-May-22
Lot 2-CW17c-CFAVC-MRD-TBK6-2020		12	Pong Tuek-Ta Pav		Krouch Chhmar	Tboung Khmum	√		93%	17-May-22
CW17d-CFAVC-MRD-KC7/KC8-2020, Batch 1	M.T.A. Construction Co. Ltd. (MTA)	14.603	NA	Sambour to Soupheas	Steung Trang	Kampong Cham	√		97%	9-May-22
		(Lot1=9.882km; Lot2=4.72km)								
CW17d-CFAVC-MRD-KC27/KC28-1A-Batch 2		9.425	Akpiwat Moulthanyoeung AC and Akpiwat Kaksekor AC			Kampong Cham		√	1%	16-Jun-23
Lot 1-CW17a-CFAVC-MRD-KP1/ KP2-2020_Batch1	Royal Mekong Construction and Development	11.948	Chres	Chres	Chumkiri	Kampot	√		96%	29-Jun-22
Lot 2-CW17a-CFAVC-MRD-KP1/ KP2-2020_Batch1		8.104	Kam Nab	Srae Chaeng	Chumkiri	Kampot	√		98%	29-Jun-22

Lot 1-CW17b-CFAVC-MRD-TK-1A_Batch 2	6 Stars Construction Co., Ltd	8.203	Ang Trao, Trapeang Kranh/Thnaot Chum/ Stueng	Ou Saray	Tramkak	Takeo		√	8%	3-Feb-23	
		5.773	Ang Baksey/Trao Aem/Prey Chuor/Prey Mean/Prey Chheurteal	Cheang Tong/ Popel	Tramkak	Takeo		√	8%	3-Feb-23	
Lot 2-CW17b-CFAVC-MRD-KP9&KP10-2A_Batch 2		3.817	Samaki Amatak			Kampong Cham		√	12%	18-Oct-23	
		5.281	Sen Han Cham Reoun Phal			Kampong Cham		√			
Lot 2-CW17b-CFAVC-MRD-KC16 & KC17-2A_Batch 2		7.657	Sammakybaray Angdong Ang		Prey Chhor, Kang Meas	Kampong Cham		√	1%	16-Jun-23	
		4.983	Ponluk Thmey		Prey Chhor, Kang Meas	Kampong Cham		√			
CW17b-CFAVC-MRD-TK-2A-Batch2		C.NO Construction and Investment Co., Ltd	3.97	Tra Peang Sra Nge			Takeo		√	1%	3-Feb-23
			3.385	Samaky Tra Peang Chork			Takeo		√		3-Feb-23
			5.406	Kampeng Sok Sen Sambo			Takeo		√		3-Feb-23