



GREEN
CLIMATE
FUND



CLIMATE-FRIENDLY AGRIBUSINESS VALUE CHAINS SECTOR PROJECT (CFAVC)

QUARTERLY PROGRESS REPORT
(Q1: January – March 2024)

19-April-2024

THIS PAGE IS LEFT INTENTIONALLY BLANK FOR BOTH SIDE PRINTING

Table of Contents

EXECUTIVE SUMMARY	1
1. INTRODUCTION AND BASIC DATA.....	2
2. UTILIZATION AND FUNDS	3
2.1 INTRODUCTION.....	3
2.2 CONTRACT AWARDS.....	4
2.3 DISBURSEMENT.....	8
2.4 RE-ALLOCATION (IF APPLICABLE).....	8
3. PROJECT PERFORMANCE	8
3.1 SCOPE OF THE PROJECT	8
3.2 ASSESSMENT ON LIKELIHOOD OF ACHIEVING PROJECT OBJECTIVES AND OUTCOMES.....	9
3.3 ASSESSMENT ON CHANGES OF PROJECT SCOPE (IF ANY MAJOR CHANGE).....	9
4. IMPLEMENTATION PROGRESS	10
4.1 OVERALL PROJECT PROGRESS.....	10
4.1.1 <i>Output 1: Critical Agribusiness Value Chain Infrastructure Improved and Made Climate Resilient</i>	10
4.1.2 <i>Output 2: Climate Smart Agriculture and Agribusiness Promoted.</i>	17
4.1.3 <i>Output 3: Enabling Environment for Climate Friendly Agribusiness Enhanced.</i>	21
4.2 SAFEGUARDS (SOCIAL, ENVIRONMENTAL AND GENDER).....	25
4.2.1 <i>Social Safeguards</i>	25
4.2.2 <i>Environmental Safeguards</i>	35
4.2.3 <i>Health and Safety</i>	38
4.2.4 <i>Gender Action Plan (GAP) (if applicable)</i>	38
4.3 FINANCIAL MANAGEMENT	39
4.3.1 <i>Status of Audit Implementation</i>	39
4.3.2 <i>Project Cost and Expenditure</i>	39
4.4 COMPLIANCE WITH LOAN/GRANT COVENANTS.....	43
4.4.1 POLICY LOAN COVENANTS	43
4.4.2 FINANCIAL COVENANTS.....	43
5. MAJOR PROJECT ISSUES.....	43
Appendix 1: Project Implementation Schedule	44
Appendix 2: Detailed Project Implementation Progress.....	47
Appendix 3: Procurement Plan	55
Appendix 4: Procurement Monitoring And Tracking Form	81
Appendix 5: Loans Covenants Status	106
Appendix 6: Performance Against DMF	119
Appendix 7: Progress Of Gender Action Plan (GAP)	124
Appendix 8: Result of Financial Audit for Year 2022.....	143
Appendix 9: Status of Agreed Action Plan of MOU Of ADB Mid-Term Review Mission	152
Appendix 10: Updated Consolidated List Of Subprojects from MAFF, MOWRAM And MRD.....	155
Appendix 11: Environment Monitoring for Subprojects under MAFF, MOWRAM And MRD.....	163
Appendix 12: IEEs/EMPs Approvals Status	171
Appendix 13: Cemp Approvals Status as Of 31 March 2024.....	173
Appendix 14: Summary Data Progress For Laser Land Leveling By 24-03-2024	175
Appendix 15: List of the Farmer R & D and Pilot of Biodigester and Compost Hut in 2022-2024	176

List of Tables:

TABLE 1: PROJECT BASIC DATA..... 2

TABLE 2: A SUMMARY OF TOTAL COST BY SOURCE OF FUNDS: LOAN NO. 3661-CAM..... 3

TABLE 3: A SUMMARY OF TOTAL COST BY SOURCE OF FUNDS: LOAN NO. 8346-CAM..... 3

TABLE 4: A SUMMARY OF TOTAL COST BY SOURCE OF FUNDS: GRANT NO. 0579-CAM..... 3

TABLE 5: LIST OF CONTRACTS AWARDED BY COMPONENT IN Q4 2023..... 4

TABLE 6: PROJECT AWARDED CONTRACTS 5

TABLE 7: SUMMARY OF DISBURSEMENTS BY SOURCE OF FUNDS 8

TABLE 8: THE STATUS OF SOCIAL SAFEGUARDS FOR IRRIGATION SYSTEMS AND PONDS..... 25

TABLE 9: THE STATUS OF SOCIAL SAFEGUARDS FOR ROADS 27

TABLE 10: THE STATUS OF SOCIAL SAFEGUARDS FOR WAREHOUSES, PAEW & 3 PADC, AND COMPOST HUTS& BIO-DIGESTERS 29

TABLE 11: THE STATUS OF SEMI-ANNUAL REPORT OF SOCIAL SAFEGUARDS 31

TABLE 12: LIST OF CONTRACTORS, AND NUMBER OF CONSTRUCTION WORKERS ATTENDED THE SOCIAL SAFEGUARDS TRAINING (FEB-MAR 2024) 32

TABLE 13: LIST OF CONTRACTORS, WORKERS ATTENDED THE ESO AND GRM TRAINING_FEB-MAR-2024 36

TABLE 14: PROJECT COST BY FINANCING SOURCES 39

TABLE 15: SUMMARY OF EXPENDITURES BY SOURCES OF FUND Vs BUDGET..... 40

TABLE 16: SUMMARY OF EXPENDITURES BY PMUS Vs BUDGET..... 41

TABLE 17: CONSOLIDATED EXPENDITURE BY CATEGORY (PMU-MAFF, MOWRAM & MRD)..... 42

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 Biodigester 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) **68%** (65 out of 95 months), overall disbursement is **31.5%**, and expenditures rate is **28.6%** of the total fund (141.04M\$), and the overall project progress is **59.87%**.

2) Problem Statement

- 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 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 Q2 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 (ADB Mid-term Review Mission)		
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)	59.87%		
Elapsed time	68% (65 out of 95 months)		
Disbursement	31.5% (of total project cost)		
Expenditure	28.6% (of total project cost)		

2. UTILIZATION AND FUNDS

2.1 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	24,301,458.76	36,235,731.24	12,572,218.44	47,964,971.56
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	8,332,624.97	8,425,075.03
03	2701	Incremental Operating Cost	4,187,100.00	1,675,583.63	2,511,516.37	1,568,244.04	2,618,855.96
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	46,253,657.76	43,746,342.24	33,013,076.81	56,986,923.19

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	4,018,600.61	5,945,299.39	1,976,473.43	7,987,426.57
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	4,018,600.61	5,981,399.39	2,347,446.95	7,652,553.05

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	3,322,465.07	4,973,194.93	1,718,857.97	6,576,802.03
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	7,899,533.77	22,100,466.23	4,887,081.22	25,112,918.78

2.2 Contract Awards

Up to this reporting period, the project has awarded 54 contracts, including 40 civil work contracts, 10 good contracts, and 4 consulting service contracts as in table 6. All contracts are in appendix 4.

There is no the contract awarded during the reporting period in table 5 below.

Table 5: List of Contracts Awarded by Component in Q1 2023

EA/IA	Component	Package Number	Type of Contract	General Description	Contract Amount (US\$)	Status

Table 6: 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 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 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 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 Ponds (RWHPs) in Tbong Khmum Province	1,372,555	1,324,598.16	01-Nov-23		ADB	NCB	NCB	On Going 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 DRP
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	Pending DRP
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	

2.3 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 7: Summary of Disbursements by source of funds

Sources of Fund	Budget Allocation (USD)	Disbursement (USD)	Percentage (%)
ADB loan (L3661)	90,000,000	33,013,077	36.7%
GCF loan (L8346)	10,000,000	2,347,447	23.5%
GCF Grant (G0579)	30,000,000	8,076,873	26.9%
RGC	7,376,000	1,021,758	13.9%
Beneficiaries	3,664,000	-	-
Overall Total	141,040,000	44,459,155	31.5%

2.4 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. PROJECT PERFORMANCE

3.1 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).

3.2 Assessment on Likelihood of Achieving Project Objectives and Outcomes

As of this quarter, the project has consumed (time elapsed) **68%** (65 out of 95 months), overall disbursement is **31.5%**, and expenditures rate is **28.6%** of the total fund (141.04M\$), and the overall project progress is **59.87%**.

The project is on-track. The Objectives and Outcomes of the project is likely to achieve as shows in the appendix 6 (Performance Against DMF).

ADB Mid-term Review Mission has been conducted from 25 September to 6 October 2023. The progress of MOU's agreed action plan will be updated for the next quarterly progress report (Quarterly Report of Q4 2023). The Memorandum of Understanding (MoU) between ADB and the RGC shows in Appendix 9.

3.3 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.

4. IMPLEMENTATION PROGRESS

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) **68%** (65 out of 95 months), overall disbursement is **31.5%**, and expenditures rate is **28.6%** of the total fund (141.04M\$), and the overall project progress is **59.87%**.

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"> ○ 26 schemes DED completed (14,672 Ha) ○ 1 schemes DED ongoing (535Ha) 70% ○ 4 Schemes are starting to construct (30 % of overall works) ○ Completed construction (100%) 9=3,250Ha <p>Total 27 schemes</p>	
800 On-farm rainwater harvesting ponds commissioned	<ul style="list-style-type: none"> ○ 418 completed DED and are in the stage of the procurement process ○ Kampot 80 RWHPs in Batch I has already awarded contract and completed 32 of 80 RWHPs <p>Total: 500</p>	
15 drip irrigation demonstration units on mango farmers' land	<ul style="list-style-type: none"> ○ 15 farms have been reconfirmed and making replacement of old selected beneficiaries. ○ 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. ○ Progressed 5th version of specification for Drip 	It is in the stage of procurement progress.

	Irrigation Demonstration (meeting with other specialists (National Agricultural Machinery O&M Training Specialist, National Photo-Voltaic Specialist and National Training & Capacity Building Specialist).	
--	---	--

Activity 1.2 Upgrading agricultural cooperative value chain infrastructure

Sub-activities	Progress	Remarks
80 Agricultural cooperatives have integrated adaptation measures in postharvest infrastructural investments	<ul style="list-style-type: none"> ○ 80 ACs Completed construction 100% ○ Total 80 ACs 	<ul style="list-style-type: none"> ○ CS1-MAFF ○ PPIUs Continue to follow up on the ACs
<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"> ○ Supported PPIUs to conduct 1 AC board members meeting in Takeo with 50 participants in of which 17 are female to promote RET for agricultural sustainability, better incomes. ○ Supported PPIUs to conducted 1 meeting with business owners in Takeo for 30 participants of which 6 are female selected Agribusiness to promote RET for agricultural sustainability, better incomes. ○ Design Solar Technologies for Agribusiness investment options (6 technologies for AC members and business owners to invest/ for sustainable agriculture and better incomes ○ Prepared Criteria and Guideline to screen potential agribusiness for green finance investment on Renewable Energy Technologies. ○ Designed solar power rooftop signboard on operation and maintenance to be printed and placed at Warehouse, PADCs and MEWs. ○ Discussed with 35 ACs board members and identified 10 potential Agribusinesses interested in investing solar technologies. Through the design solar technologies for agribusiness investment options and technical support, PPIUs has identified screened 6 potential agribusiness for further finalization (list of potential agri-businesses). ○ Produced and submitted a draft solar technology specification for PMU procurement to finalize. ○ 80 AC Warehouses are completed build with Solar PV installed and able to save 100% energy cost for their daily operation. Provided technical support 59 ACs board members on operation for signboards and maintenance of solar power rooftop application. ○ 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%) 	<ul style="list-style-type: none"> ○ Promotion materials including profile, leaflets, banners and guidelines used for AC members and agribusinesses in and out of project targeted areas. ○ On progress ○ Prepared list of potential technology providers for PMU and PPIUs. ○ The procurement process is on-going.
Equipment and materials for 15 Drip Irrigation Systems	<ul style="list-style-type: none"> ○ Design a proper solar technology package for the implementing agency for further discussion. 	Installation of equipment and

(includes tube wells/water source connection, solar pumps, and other agricultural inputs e.g. training)	<ul style="list-style-type: none"> ○ Technical specification and bill of quantity of equipment and materials for 15 Drip Irrigation Systems was prepared by involving with MAFF-PMU. IA-GDA, DTL and other relevant consultants. 	tools are included.
<ul style="list-style-type: none"> -Supply circulated cylinder dryers for the 100-ton warehouses (2 Units) -Supply electrical voltage transformer set for 2 Units circulated cylinder dryers 	<ul style="list-style-type: none"> ○ Ongoing progress 	<p>Installation of equipment and tools are included.</p> <p>Note: Proposed to MEF to change description from “Supply circulated cylinder dryers” to “Post-harvest Processing equipment (Cassava-chip maker, rice paddy milling)”</p>

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

Sub-activities	Progress	Remarks
At least 250 Km of Farm roads were upgraded to climate-resilient standards to improve Connectivity to Cooperatives and Markets	<ul style="list-style-type: none"> ○ Batch I- (71Km) with a total of 8 contracts Construction is ongoing: <ul style="list-style-type: none"> ▪ 2 contracts for Takeo are (Lot 1&Lot 2) 100% completed. • 2 contracts for Kampot (Lot 1 and Lot 2- 100% completed. • 2 contracts for Kampongcham (Lot 1 & Lot 2) 100% completed. • 2 contracts Tboung Khmum (Lot 1 and Lot 2) 100% completed. ○ Batch II- (99.94Km) with a total of 8 contracts, only 6 contracts signed (with 70.86Km). <ul style="list-style-type: none"> ▪ 2 contracts for Kampot have been signed on 16 June 2023, , the construction progress is Lot 1= 57.00% and Lot 2= 55.97% ▪ 2 contracts for Takeo have been signed on 3 February 2023, the construction progress is Lot 1=32.41% and Lot 2=73.69% ▪ 2 contracts for Kampong Cham have been signed on 16 June 2023, the construction progress is Lot 1=6.54% and Lot 2=32.67% ▪ 2 contracts for Tboung Khmum are under the bid evaluation process. ○ Batch III- (100.72Km) to be procured 100.72 km DED completed (95%) <p>Total planned 271.95 Km, but will procure only 250km due to budget limit.</p>	Due to budget limit, this activity will procure only 250km

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: construction completed ○ Net-house: stilled waiting water supply connection by KASEGRO company. ○ First batch of equipment is processing by procurement of PMU. ○ The list of consumable materials and reagents for quality testing of biofertilizer and organic fertilizer is submitted to PMU and waiting for approval. 	<ul style="list-style-type: none"> ○ Net House: KASEGRO company waiting connection of water supply from state, spray water to control the temperature inside the Net house room, light front of room, roof net, two exhaust fans to complete the contract. ○ The procurement process has been completed, and the service provider will prepare all list of equipment on ship, then install them after lab renovation.
Establishing genetically modified organisms (GMO) and Phytotoxin	<ul style="list-style-type: none"> ○ Conducted of Technical training on GMO and Phytotoxin Analysis, 1 course total participant of 13 person and 9 persons as females (AWPB2023). ○ Revised the list of strip test kit for GMO and phytotoxin. ○ 	Continue the revising by expert
supporting ISO 17025 accreditation	<ul style="list-style-type: none"> ○ Conducting TWG meeting on ISO 17025 accreditation guideline (7th version) (NAL/GDA), 2 courses total participant of 46 persons and 21 persons as females. ○ Conducted Consultative workshop on ISO 17025 Accreditation Guideline (7th Version), 1 course total participant of 32 persons and 6 persons as females. ○ Discussed with Dr. Mak Chanrathana for revision and review consisting guideline of 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) ○ Preparing PPT file in Khmer language for consultative workshop on ISO 17025 guideline 	The consultation and dissemination workshop will conduct to gather more inputs and finalize the manual to endorse it by quarterly 1.

	<ul style="list-style-type: none"> ○ Conducting TWG meeting on guideline for ISO 17025 application ○ Collecting material for Document and Record Management for Laboratory ○ Preparing template for general SOP which is example for NAL ○ Drafting the example list for Laboratory System Management Document for ISO 17025 accreditation laboratory (NAL case) ○ Joining consultative workshop on SOP for biofertilizer quality testing manual (Takeo and Kampot province) ○ Joining consultative workshop on Cassava tissue culture manual development (Takeo and Kampot province) ○ Introducing the genetically modified organism (GMO): benefits and concerns of GMO, and how the laboratory testing of GMO to PPUI staff and agriculture community members. ○ Conducting consultative workshop on ISO 17025 accreditation guideline (Takeo and Kampot province) ○ Joining consultative workshop on SOP for organic fertilizer manual (Takeo and Kampot province) 	
Plant tissue culture (developing tissue culture protocols for bananas and cassava)	<ul style="list-style-type: none"> ○ Finished the revision the final draft of “Cassava plant tissue culture” manual. ○ Conducted consultative workshop on “Cassava plant tissue culture manual” development for 2 courses with 62 participants (25 women). ○ Conducted TWG meeting on “Cassava plant tissue culture” manual for 2 meeting with 46 participants (27 women). ○ Conducted Consultative workshop on development of Cassava plant tissue culture manual, 4 courses total participant of 103 people and 41 people are 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 people and 16 people as females. ○ Conducted of Oversea Training on Plant Tissue Culture, for 1 course total participant of 4 person and 4 persons as females. 	Prepared training materials and slide presentation next work plan for 2024.
Assisting the laboratory commercialization process	<ul style="list-style-type: none"> ● Completed two trainings on laboratory commercialization and service marketing for PDAFF and ACs from Kampong Cham, Tboung Khmum, Takeo and Kampot provinces at Kampong Cham and Kampot (a total of 62 participants joining the training, of whom 12 were women). ● Finalized the assessment of analysis/testing capacities of other laboratories in Cambodia. ● Held Discussion with NAL’s coordinator 	<ul style="list-style-type: none"> ○ Prepared training materials and slide presentation next workplan for 2024. Conducting data entry from questionnaires from field survey to analyze the need assessment for trainings for the next trainings.

	<p>and tissue culture development specialist to determine primarily the price of rooting-plantlets of cassava.</p> <ul style="list-style-type: none"> • Completed reviewing related documents on Seed Policy for Cambodia (Adopted in December 2016), Law on Biosafety in Cambodia (enacted by parliament on December 18, 2007), and The Enacted Law on Seed Management and Plant Breeder's Rights (adopted by the parliament on April 08, 2008). ○ Continuing review on related documents, including "The legal framework on modern biotechnology developed by Codex Alimentarius Commission- FAO/WHO intergovernmental body", "The Biosafety Regulations for GMO Crop in Asia-Pacific", and "The Guideline and SOPs for GMO Field Trial and Safety Assessment". 	
Supply analytical testing equipment	Bid Evaluation Report (BER) for previous NCB equipment, ongoing	Wait for the procurement update.
Bio-fertilizer / Organic fertilizer (Pesticide residue rapid test kits for field testing and desktop testing equipment for plant toxins will also be supplied)	<p><u>Technical training to NAL staff and PDAFF staff</u></p> <ul style="list-style-type: none"> ○ Prepare concept for technical training course to staff of NAL: Completed ○ Prepare the training materials for the technical training course to staff: Completed ○ Prepare the technical training report: Completed ○ Prepare the training posters on sampling and handling techniques of biofertilizer and organic fertilizer for quality testing in lab to PPIU staffs ○ Refresh training to PPIU TK and KPT on the procedure for sampling and preparation of organic fertilizer and biofertilizer <p><u>Develop manual:</u></p> <ul style="list-style-type: none"> ○ Conducted TWG meeting on the development of SOP for Organic fertilizer quality Testing, 2-course total participant of 37 people and 29 people as females. ○ Conducted TWG meeting on the development of SOP for Biofertilizer quality Testing, 1-course total participant of 21 people and 13 people as females. ○ Conducted Consultative workshop on SOP for Biofertilizer Quality Testing Manual, 1-course total participant of 33 people and 7 people as females. ○ Developed draft manual on SOP for quality testing of biofertilizer: completed (9th revision). ○ Developed draft manual on SOP for quality testing of organic fertilizer: completed (8th revision) ○ Developed manual of ISO17025 accreditation: completed (7th revision). 	<ul style="list-style-type: none"> ○ The technical working group(TWGs) meeting was conducted to review and comment on the 6th draft of SOP for quality testing of organic fertilizer at the third week of February (22-23 Feb 2024 in Kep) ○ TWGs meeting will conduct to review and comment on the 7th draft of SOP for quality testing of biofertilizer at the second week of February (15-16 February 2024 in Kep); and all comments were wrapped up and developed the 8th draft version for the next consultation workshop in next month

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 benefiting 40,000 persons (50% are women)	<p><u>Bio-digester:</u></p> <ul style="list-style-type: none"> ○ Construction: will start to construct the biodigester soon by applying shopping without advertising based on MoU in the MTR. ○ 38,113 farmers (female =18,210 (48%)) as compare with the DMF=95.28%) 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: ○ 141 biodigesters construction completed and functioning with (564 beneficiaries (339F)). 	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.
6,000 Compost-huts made operational benefiting 40,000 persons (50% are women)	<p><u>Compost-hut:</u></p> <ul style="list-style-type: none"> ○ Construction: will start to construct the biodigester soon by applying shopping without advertising based on MoU in the MTR. ○ 38,113 farmers (female =18,210 (48%)) as compare with the DMF=95.28%) 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: ○ 141 compost hut construction completed and functioning with (564 beneficiaries (339 F)). ○ Support input for integrated farming demonstrations: ○ 71 demonstrations and training were completed with 284 participants (170F) ○ 63 demonstration farmers and training have not yet started. 	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.
Establish a national framework on biodigester quality (standard development) and harmonize	<ul style="list-style-type: none"> ○ Policy on Biodigester Development in Cambodia 2021-2030, issued on 26 October 2021 by MAFF. 	

biogas initiatives in a private sector-friendly manner.	○ 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
3 Additional climate-resilient varieties of rice and maize released	<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, early rice variety and aromatic. - 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> ○ 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 - Harly maturity (100 days to 105days harvestable) ○ CARDI provided 98 training of farmers group on best management practice (BMP) on rice , cassava, and maize and Rice seed production Technique and follow up (RSPT/FU); ○ Total training=2600 /1260(f)=48% 	<ul style="list-style-type: none"> ○ Rice Seed released: <ol style="list-style-type: none"> 1) CAR16: released 2016 2) PHKA RUMDUOL released 1999 3) PHKA MEALDEY released 2018 4) Champeisar 70 released 2023 ○ Maize seed released <ol style="list-style-type: none"> 1) CM1 released 2015 (from CARDI) 2) CHM01 released 2020 (from GDA)

	<ul style="list-style-type: none"> ○ 2022 training=1300/609f ○ 2023 progressed until end of Dec ○ 40 BMP training =1000/506Females ○ 12 RSPT training=300/145Females ○ On result progress of on-farm rice seed production demonstration, Total participants=93/28f ○ National reflection workshop on result progress of on-farm cassava seed production demonstration, Total participants=93/28f ○ National reflection workshop on result progress of on-farm maize seed production demonstration, Total participants=93/28f ○ Technical training on farm rice seed demonstration production to PDAFF staff by CARDI, Total participants=16/7f 	
--	--	--

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"> ○ 17,177 farmers of which 8,050 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. The accumulate progress of Farmers trained in Climate-smart Agriculture and agribusiness development skills are: ○ 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 430 persons of which 95 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%) 	<ul style="list-style-type: none"> ○ Next month, the Department of Agriculture Machinery, the Department of Rice Crops, the Department of Crop Seeds, and the Department of Agriculture Cooperative Promotion are all gearing up to conduct several training sessions.
Support laser land leveling up to 3,000 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 Ta Keo, 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 	<ul style="list-style-type: none"> ○ Based on minutes of Meeting with ADB and MAFF-PMU on CS3 Package ○ Dated: 02 August 2023 ,through the virtual Zoom Meeting propose to change the procurement

	<p>of PMU.</p> <ul style="list-style-type: none"> ○ 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 with730HHs(258F) ○ TBK: 58.30Ha with 646HHs (302F) <p>Total: 418.58 Ha with 2,778HHs (1,227F)</p> <p>15 irrigation systems (6 from FWUCs and 9 from ACs) were collect data and identified boundary for consider to select around 1600 ha for laser land levelling such as;</p> <ul style="list-style-type: none"> ● 3 irrigation systems in KPT(FWUC,Takouch, FWUC Pravoekpong and AC, kasikorsamakirongroeurng) ● 5 irrigation systems in TAK(AC, Sdoksdam, SampliAnkorreangsey, FWUC PouTasuy schemes, AC of Phoumbeimeanchey and AC of Kiriodomta Ou) ● 4 irrigation systems in KCM(FWUC Toekchha east , FWUC Potatres/Aphiwatmoulthan Yoeurng,and Aphiwatsrok Yoeurng) ● 3 irrigation systems in TBK(FWUC Tbound Damrei, AC of Damberong Roeurng, and Romduoldountei) 	<p>procedure from NCB to shopping</p>
<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"> ● Rice seed demonstration production (2020-2023) ● 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: 94.682kg (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) ● Surface=35.46ha ● Key farmer demos=93/48f ● Sown=93 ● Transplanting =93 ● Harvested=92 demos ● Seed multiplication to communities=25,107kg (PRD=14960kg, PMD=4467kg,CAR16= 2800kg and Campeisar70=2880kg) ● Cassava seed demonstration production (2021-2023) ● 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) 	<p>Notes from 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. - Maize crop 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:

	<ul style="list-style-type: none"> • Cassava seed distribution to key farmers=15,600bundles(81=11,250bundles and Rayon9=3000 bundles, KU50=225 bundles and Huybon60=1,125 bundles): • 2020-2022=12,000 bundles • 2023 progress until Sept distribution cassava seed =3600 bundles • Key farmer demos=12/5f • Surface=12ha • 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 • Surface: 27.5ha • Average yield 5.12T/ha • Many people interesting and need seed (CHM01) distribution to community • 2023 progressed: • 19key farmers for maize seed demonstration were selected and planting in Kampot and kampongcham provinces • Surface=5ha • 150kg of maize (CHM01 from GDA, Banteaydek station) distribution to key farmers • 10 farmers harvested in KPT 	Corn kernels are larger than other varieties and less resistant to some herbicides.
27 FWUCS of FWUGS made full operational	<ul style="list-style-type: none"> ○ 15 farmers are planting in KCM ○ 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. ○ Readiness of Mechanical Workshop in TBK, 	

	KPT, KCM for installation	
--	---------------------------	--

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"> ○ PPP specialist on developing process framework with key relevant sectors. ○ Development of Producer Group Establishments Guideline Linked with Private Sector to the Market: completed (4rd draft revision) to achieve the agribusiness group of contract farming. 	PPP framework is on gathering relevant information from involved stakeholders.
Good Agriculture Practice for Tropical Fruit Endorsed (CamGAP)	<ul style="list-style-type: none"> ○ The meeting with technical working group of the development of CamGAP standard. The total participants is 50 persons of which 13 are females. ○ The meeting for the development of the tropical fruit CamGAP standard reviewing on Mango. The total participants are 56 persons of which 11 are females. ○ Tropical Fruit CAMGAP Standards development for mango has been developed under preparation for the final draft version of CamGAP for tropical fruit. CS2 will coordinate with involving relevant departments (IA-GDA) to prepare it accordingly. This activity is already integrated into the Annual Work Plan and Budget 2024. ○ Awareness during the orientation meeting to AC boards and members on agribusiness applied farm inspection and CamGAP standard and seeking inform and feedback on CamGAP training and activities. A total participant: 359 persons/ 196 are female. ○ The fieldwork has been visited at the mango farms and support technical for the CamGAP improvement practical and farm management based on the market to 120 persons/ 57 are female based on the standard requirement. ○ Technical support to 20 farmers/ 09 are female for applying CamGAP standard. 	
Good Agriculture Practices for organic fertilizer endorsed	<ul style="list-style-type: none"> ○ Prepared concept note: completed ○ Developed draft manual on the biofertilizer standard development: Completed (8th revision) 	.National consultation workshop to review and comment of 7 th draft manual on biofertilizer standard development has been completed, and then 8 th version will conduct soon.

Activity 3.2 Promoting green finance and risk sharing mechanisms

Sub-activities	Progress	Remarks
50 Staff from financial	<ul style="list-style-type: none"> ○ Identified: 50 Bank/MFI are initial 	

<p>institutions trained in CSA and green finance</p>	<p>identified with the list of banks for the target of CSA and green financing.</p> <ul style="list-style-type: none"> ○ TNA: was completed and oriented. ○ Training development plan: ongoing 80% ○ Development of training Materials: ongoing 100% ○ 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>30 agribusinesses trained in green finance and CSA</p>	<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 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. ○ 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 initate to link with ACs in target provinces. 	
<p>20,000 Households were provided with information on climate risk-sharing instruments</p>	<ul style="list-style-type: none"> ○ On-site meeting/training/workshop: 93 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:1,648 of which 614 are females). ○ Identified crop insurance companies and green loan: completed (Forte for crop insurance, ACLEDA/ARDB for 	

	<p>green loan)</p> <ul style="list-style-type: none"> ○ Develop extension materials: completed and in printing process ○ Organize workshops to share climate information to ACs members: ongoing ○ Involved in signing an agreement on data sharing with Forte on Crop Insurance. ○ Develop the ITC platform is ongoing. 	
<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 rice, cassava and dry maize. The total participants asre 81 persons/16F ○ Dissemination meeting on the principles of contract farming: 8 meetings conducted with 371 (119F, equal 32%). ○ 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 7events, total 53 of which 26 are females. ○ AC Kaksikor Rung Roearng in Kampot signed the contract farming with Amru Rice company on Rice amount 500Mt/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 Tboundg Khmum signed the contract farming on fresh csaava with Heng Leap Company amount 1,888 Mt/year for one year period. ○ AC Kasekor Dambea in Tboundg Khmum signed the contract farming on fresh 	<p>- In 2023 have a Contract farming organized by PDAFF-KPT</p>

	<p>cassava with Heng Leap Company amount 542 Mt/year for one-year period.</p> <ul style="list-style-type: none"> ○ 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. 	
--	---	--

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 	

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 8 below, which MOWRAM is the implementing agency.

Table 8: The status of social safeguards for Irrigation systems and ponds

No	Description of subprojects	Contract No.	Batch No.	No of Subproject	DDR drafted	DDR verified by ITP	Date of submission to ADB	Addressed comments from ADB	NOL from ADB	Physical Progress as of Apr 2024
Kampot province										
1	DDR for Trapeang Run	KP-TR-CW2	1	1	Yes	Yes	Yes	Yes	21-Jul-20	100%
2	DDR for Takoch	??	1	1	Yes	Yes	Yes	Yes	18-Jan-23	
3	DDR Prawoek Pong Irrigation Subproject	CFAVC-MOWRAM-KPT-CW12.2B	2	1	Yes	Yes	Yes	Yes	16-Jan-24	
4	DDR Kandal Irrigation System	CFAVC-MOWRAM-KPT-CW12.2B	2	1	Yes	Yes	Yes	Yes	16-Jan-24	
5	DDR Trapeang Boeung Reservoir		2	1	Yes	Yes	Yes	17-Sep-23	Not yet	
Sub-total				5						
Takeo province										
1	DDR for Prey Kdouch & Kraing Empil	CFAVC MOWRAM-TKO-CW15.1	1	2	Yes	Yes	Yes	Yes	21-Dec-21	100%
2	DDR for Chrouk1 & Plov Touk Canal	CFAVC-MOWRAM-TKO-CW15.2	2	1	Yes	Yes	1-Apr-24		Not yet	
3	DDR for Kwaeng Tayi Canal	CFAVC-MOWRAM-TKO-CW15.2	2	1	Yes	Yes	1-Apr-24		Not yet	
4	DDR for Prey Rumdeng Canal	CFAVC-MOWRAM-TKO-CW15.2	2	1	Yes	Yes	1-Apr-24		Not yet	
5	DDR for Pralay 95 Irrigation Subproject	CFAVC-MOWRAM-TKO-CW15.3	3	1	Yes	Yes	Yes	Yes	22-Mar-24	
6	DDR for Pralay 42 Irrigation Subproject	CFAVC-MOWRAM-TKO-CW15.3	3	1	Yes	Yes	Yes	Yes	22-Mar-24	
7	DDR for Ta Oum Reservoir Irrigation Subproject	CFAVC-MOWRAM-TKO-CW15.4	3	1	Not yet				Not yet	

8	DDR for Poutasuy Reservoir Irrigation Subproject	CFAVC-MOWRAM-TKO-CW15.4	3	1	Not yet				Not yet	
9	DDR for Sdoc Sab Reservoir Irrigation Subproject	CFAVC-MOWRAM-TKO-CW15.4	3	1	Not yet				Not yet	
	Sub-total			10						
	Tbong Khmum province									
1	DDR for Toul Pring & Kbal Tuek	CFAVC-MOWRAM-TBM-CW13.1	1	2	Yes	Yes	Yes	Yes	28-Jul-21	100%
2	DRP for Trapeangng Tros	CFAVC-MOWRAM-TBM-CW13.1	1	1	Yes	Yes	Yes	Yes	Yes	100%
3	DDR for Tbong Damrei Reservoir	CFAVC-MOWRAM-TBM-CW13.2	2	1	Yes	Yes	Yes	17-Apr-24	Not yet	
4	DDR for Kampong Raing Feeding Canal	CFAVC-MOWRAM-TBM-CW13.2	2	1	Yes	Yes	Yes	17-Apr-24	Not yet	
5	DDR for Choam Taheung Irrigation Subproject	CFAVC-MOWRAM-TBM-CW13.3	3	1	Yes	Not yet			Not yet	
6	DDR for Trapeang Ampil Irrigation Subproject	CFAVC-MOWRAM-TBM-CW13.3	3	1	Yes	Not yet			Not yet	
	Sub-total			7						
	Kampong Cham province									
1	DDR for Pram Kumpheak & O'Kamprok	CFAVC MOWRAM-KPC-CW14.1	1	2	Yes	Yes	Yes	Yes	18-Jan-23	100%
2	DDR for Teuk Char West Irrigation System	CFAVC-MOWRAM-KPC-CW14.1	2	1	Not yet				Not yet	
3	DDR for Potatres Reservoir	CFAVC-MOWRAM-KPC-CW14.2	2	1	Not yet				Not yet	
4	DDR for Teuk Char East Irrigation System	CFAVC MOWRAM-KPC-CW14.3	3	1	Not yet				Not yet	
	Sub-total			5						
	Grand Total Irrigation System Subprojects:			27						

	RWHP (Batch I)									
1	DDR for RWHP in Kampot province	??	1	80	Yes	Yes	Yes	Yes	12-Jul-23	
2	DDR for RWHP in Tbong Khmum province	??	1	63	Yes	Yes	Yes	Yes	17-Apr-24	
3	DDR for RWHP in Kampong Cham province	??	1	66	Yes	Yes	Yes	7-Aug-23	Not yet	
4	DDR for RWHP in Takeo province	??	1	69	Yes	Yes	Yes	9-Aug-23	Not yet	
	Sub-totl RWHP			278						

	RWHP (Batch II)								
1	DDR for RWHP in Kampot province		2	72	Not yet				Not yet
2	DDR for RWHP in Tbong Khmum province	??	2	72	1-Apr-24				Not yet
3	DDR for RWHP in Kampong Cham province		2	46	Not yet				Not yet
4	DDR for RWHP in Takeo province		2	32	Not yet				Not yet
	Sub-sotal RWHP			222					
	Grand Total of RWHP subprojects:			500					

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

Table 9: The status of social safeguards for roads

No.	Contract Number	Road ID	Length (Km)	Name of Contractor	DDR drafted	Date of submission to ADB	Addressed comments from ADB	VO1 completed	NOL from ADB for VO1	VO2 completed	NOL from ADB for VO1	Physical Progress as of Dec 2024
1	CW17b-CFAVC-MRD-TK3-2020_Batch1	TK3	10	Henan Water Construction Group Co., Ltd	Yes	Yes	Yes	Yes	Yes	Yes	Yes	99.00%
2	CW17b-CFAVC-MRD-TK4-2020_Batch1	TK4	4.67	Hout Chhoeun Construction Co., Ltd	Yes	Yes	Yes	Yes	Yes			100%
3	CW17a-CFAVC-MRD-KP1-2020_Batch1	KP1	11.94	Royal Mekong Construction & Development Pte., Ltd	Yes	Yes	Yes	Yes				96.31%
4	CW17a-CFAVC-MRD-KP2-2020_Batch1	KP2	8.1	Royal Mekong Construction & Development Pte., Ltd	Yes	Yes	Yes	Yes				98.25%
5	CW17d-CFAVC-MRD-KC7-2020_Batch1	KC7	9.882	M.T.A Construction Co., Ltd	Yes	Yes	Yes					97.33%
6	CW17d-CFAVC-MRD-KC8-2020_Batch1	KC8	4.721	M.T.A Construction Co., Ltd	Yes	Yes	Yes					96.97%
7	CW17c-CFAVC-MRD-TBK5-2020_Batch1	TBK5	9.774	Heng Sambat Co., Ltd Import Export and Construction	Yes	Yes	Yes	Yes				98.00%
8	CW17c-CFAVC-MRD-TBK6-2020_Batch1	TBK6	12	Heng Sambat Co., Ltd Import Export and Construction	Yes	Yes	Yes	Yes				92.79%
9	CW17a-CFAVC-MRD-KP1A-Batch2	KP18	6.395	Henan Water Construction Group Co., Ltd	Yes	Yes	Yes					31.00%

The status of social safeguards for warehouses, PAEW & 3 PADC, and compost huts& bio-digesters show in the table 10 below.

Table 10: The status of social safeguards for warehouses, PAEW & 3 PADC, and compost huts& bio-digesters

Package Number	Province	District / Commune	Subproject Name	Storage Capacity (Ton)	DDR drafted	Date of submission to ADB	Addressed comments from ADB	Contract Signed Date	Physical Progress as of Dec 2024
CW-3b3/ CFAVC/MAFF/ 2022-01 Lot 1 Batch 3	Kampot	Ankor Chey / Dambok Khpos	Pauchhum Meanchey AC	100	Yes	Yes	Yes	3-May-23	100%
		Kampong Trach / Kampong Trach Khang Keut	Kampong Trach Chamroeun Kasekor AC	100	Yes	Yes	Yes		100%
		Banteay Meas / Wat Ang Khang Cheung	Ponhea Angkor Chamroeun Chey AC	100	Yes	Yes	Yes		100%
		Chum Kiri / Snay Angchet	Samaki Baitang AC	100	Yes	Yes	Yes		100%
CW-3b3/ CFAVC/MAFF/ 2022-02 Lot 2 Batch 3	Takeo	Tram Kak / Trapeang Kranhoung	Khprob Svay Samaky AC	100	Yes	Yes	Yes	3-May-23	100%
		Tram Kak / Trapeang Kranhoung	Samaky Meanchey Phlov Lork AC	100	Yes	Yes	Yes		100%
		Tram Kak / Udom Soriya	Udom Soriya AC	50	Yes	Yes	Yes		100%
		Prey Kabbas / Ban Kam	Toul Preah Vihear AC	100	Yes	Yes	Yes		100%
		Traing / Sambour	Sambuor Chamroeunphal AC	50	Yes	Yes	Yes		100%
		Samraong / Chhum Reh Pein	Phum Boeng Amatak AC	100	Yes	Yes	Yes		100%
		Kiri Vong / Ta Ou	Kiri Udom Ta Ou AC	100	Yes	Yes	Yes		100%
		Koh Andet / Peach Sa	Ponleu Sareireng AC	100	Yes	Yes	Yes		100%
		Tram Kak / Ta Phen	Sokpheap Yeung AC	100	Yes	Yes	Yes		100%
					Yes	Yes	Yes		100%
		Tram Kak / Trapeang Thom Khang Tbong /	Damrey Ramiel AC	100	Yes	Yes	Yes		100%
		Koh Andet / Prey Khla	Samphly Angkor Raingsey AC	100	Yes	Yes	Yes		100%
		Kirivong / Phnom Daen	Phnom Den Sen Sok AC	100	Yes	Yes	Yes		100%
		Steung Trang / O'Mlou	Tratrong Kasekor AC	200	Yes	Yes	Yes	3-May-23	100%

CW-3b3/ CFAVC/MAFF/ 2022-03 Lot 3 Batch 3	Kampong Cham	Prey Chhor / Khvael Thom	Khvaet Thom	100	Yes	Yes	Yes	100%
		Kampong Siem / Han Chey	Han Chey AC	100	Yes	Yes	Yes	100%
		Cheung Prey / Phdao Chhum	Reamear Cheung Prey AC	100	Yes	Yes	Yes	100%
CW-3b3/ CFAVC/MAFF/ 2022-04 Lot 4 Batch 3	Tboung Khmum	Dambae / Toek Chrov	Kasekor Dambae AC	100	Yes	Yes	Yes	100%
		Memot / Rumchek	Svay Chanty Rumchek AC	200	Yes	Yes	Yes	100%
		Tboung Khmum / Chi Ro	Chiro Rungroeung AC	100	Yes	Yes	Yes	100%
		Or Reang Ov / Kang Chey	Oraing Ov Meanchey AC	100	Yes	Yes	Yes	100%
		Or Reang Ov / Mean	Samaky Khum Mean AC	100	Yes	Yes	Yes	100%
Total	4	District: 14	25					
		Commune:24						

The status of Semi-Annual Report of Social Safeguards shows in table 11 below:

Table 11: 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	Submitted to ADB, and addressing ADB comments of ADB

- **Implementation of Social Safeguards**

During this report period, the nation safeguards specialist collaborates with SC1, CS5, EA and IAs teams to carry out main activities, as following:

- Finalized Due Diligence Report for 25 AC Warehouses/Storages construction subprojects in target provinces including 4 AC Warehouses/Storages in Kampong Cham, 4 AC Warehouses/ Storages in Kampot, 12 AC Warehouses/Storages in Takeo and 5 AC Warehouses/Storages in Tboung Khmom province. All comments and inputs from ADB's social safeguards specialists were properly incorporated and re-submitted to ADB for approval and disclosure. NOL was issued on 25 January 2024.
- Finalize Annual Report on Social Safeguards Monitoring (Jan-Dec 2023) for all on-going subprojects under MRD, MOWRAM and MAFF. All comments and inputs from ADB's social safeguards specialists were properly incorporated and re-submitted to ADB for approval and disclosure.
- 19-23 February 2024: In collaboration with PMU/PIC and CS1 team, the national social safeguards specialist conducted fieldworks for social monitoring at specific construction sites of the rural road construction, irrigation canal construction, Rainwater Harvest Pond construction subprojects in order to monitor and inspect social safeguards compliance and ensure corrective actions were undertaken on time and the safeguards specialist also provided trainings on social safeguards and the function of GRM to contractors, local authorities and the community living alongside of the roads (Table 1).
- Conduct public consultation meetings at the subproject target villages with participation from affected households (AHs), local authorities, GRC, site engineers, contractor staff. At the same time, the national safeguards specialists provide on-job training on how to deal with social safeguards issues and GRM to address grievance or complaints from project beneficiaries and affected households (AHs).
- Provide training to GRC members to maintain the function of GRM at community level and to improve its functions by ensuring verbal complaints from beneficiaries to be recorded and addressed on time. As the results, several grievances from beneficiaries have been recorded and addressed and national safeguards specialists keep close monitoring in collaboration with site engineers and contractor.

- Based on the request from local authorities and community, the proposed additional civil work at KP10.1 has been considered to prepare another VO document to submit to ADB (expected in next quarter) and update of LAR checklists to support VO documentation. It is confirmed that the proposed additional civil work without changing Col and have no impact, no need to prepare supplementary DRP/DDR or EMP
- Assisted CS1 team and PMU of MRD to prepare LAR checklist to support VO for TK3, TK4 rural road construction in Takeo province, TBK5, TBK6 rural road construction in Tboung Khmom province that requested additional civil work (Table 2).
- Work with ITP, CS1 and MoWRAM PMU/PIU teams to conduct field survey for some of the 50 proposed RWHP locations in Takeo province and conduct social safeguards screening and assessment by using IR and LAR checklists for selected rainwater harvested ponds.
- In addition, TK22 rural road construction subproject in Kampeng commune in Takeo province is under construction by C-NO construction Co., Ltd. The physical progress was 85%. The training on GRM and social safeguards was co-organized for 17 participant (3 females).
- Conduct site monitoring visit at TK11 and TK12 rural road construction subprojects in Ang Popel commune in Takeo province, is under construction by 6 Stars construction Co., Ltd. It was observed that (PK 0+000 to 3+250) there are 4 affected households having their fence impacted and 1 health center will be affected due to the construction of side drainage. However, the commune chief (representative of GRC) and contractor have already resolved the issues with agreement of the affected households. The training on GRM was provided to contractor/workers and local authorities. There were 13 participants (all males) attended the training.
- Conducted field monitoring visits at KP18 & KP19 rural road construction subprojects in Trapeang Tameas village, Prey Krang Kheang Cheung in Mean Rith commune, Kampot province, it was observed that there are a few affected households complaint due to the impact of the existing pipe culvert that was used for water irrigation to their dry season rice farm and they requested to reinstall to previous condition, and this complaint was reported and resolved by GRC at commune and district level. Other households wanted additional compensation for the removal of additional fence due to road re-alignment in order to mitigate impacts and improve road safety.
- Conducted social safeguards training for 37 participants (1 female). Inspected rural road improvement of KP9 and KP10 that have been constructing by 6 Stars construction Co., Ltd. There are 5 villages within the road's layout including Trapeang Run in Dambok Khpous commune, Damnak Chambak village in Samraong Leu commune, Svay Anchit commune in Chum Kiri district; and KP10 in Samroang Leu commune, Angkor Chey district. It was reported that the earth work will be completed in March. During discussion, the commune authority revealed that about 100m of fence of the primary school will be broken by the road construction. The commune authority requested to prevent the fence from falling down that is required for additional works to mitigate the impact of the school fence falling down and soil erosion.
- On 19-20 February and 25 March 2024, the national social and environmental safeguards specialist cooperated with safeguards officers of MAFF to co-organize the trainings on social and environmental safeguards, EMP, GRM, occupational health and safety and waste management (solid and liquid waste) for contractor staff and construction worker at the subproject sites and campsites in Takeo, Kampot and Kampong Cham provinces.

Table 12: List of contractors, and number of construction workers attended the social safeguards training (Feb-Mar 2024)

Package name	Contractor	Subproject	Location	Date (d/m/y)	Total participant	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	19- Feb-24	17	14	3
CW17b-CFAVC-MRD-TK-1A-Batch2	6 Stars construction Co., Ltd	TK11 and TK12 in Angpor Pel commune	Prey Chour village, Porpel commune, Tramkak district, Takeo province	19- Feb-24	13	13	0
CW17a-CFAVC-MRD-KP-1A-Batch2	Henan Water Construction Group Co., Ltd.	KP18 &KP19	Trapeang Tameas village, Prey Krang Kheang Cheung in Meanrith commune, Kampot province	20- Feb-24	37	36	1
CW17a-CFAVC-MRD-KP-2A-Batch2	6 Stars construction Co., Ltd	KP9 and KP10	AC Samaki Amatak and Sen Han Cham Reoun Phal, Kampot province	20- Feb-24	20	19	1
CW17d-CFAVC-MRD-KC-1A-Batch2_Lot1,	M.T.A Construction Co., Ltd	KC27 & KC28_	Trapeang Kor commune Office, Kampong Cham	25- Mar-24	29	17	12
CW17d-CFAVC-MRD-KC-2A-Batch2_lot2	6 Stars Construction Co., Ltd	KC16 & KC17	Peam Chikang Pagoda, Kampong Cham	25- Mar-24	19	11	8

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

- The CS01 team has suffered a setback due to vacancy of social safeguards expert since March 2023 and PMU of MAFF has mobilized the National Social Safeguards Specialist in Dec 2023 to help EA and IAs to complete all pending social safeguards documents including DDR for AC warehouse/storages, combine the two semi-annual report on social safeguards monitoring (January – June and July – December 2023) into one report, completed all pending VO's and clarified/ incorporated all comments from with ADB's social safeguards specialists. During this reporting period, the joint environmental and social safeguards monitoring was conducted for on-going rural road construction projects in Takeo, Kampot and Kampong Cham provinces.
- To ensure adequate data and information for social safeguards documentation and reporting, the National Social Safeguards Specialist works closely with all DTLs and site engineers in all target provinces namely Takeo, Kampot, Tboung Khmom and Kampong Cham provinces. The National Social Safeguards Specialist has developed KoboToolbox form and conducted orientation to CS1 team on how to use KoboToolbox form for social safeguards monitoring or real-time data collection. KoboToolbox form is available for both English and Khmer, it is an advanced software application for online and off-line data collection instrument that can safely record real-time data including photos, video, sound, GPS, polygon, or geo trace etc. as it is very important and very helpful for documentation of social safeguards related issues.
- Time constrains for all safeguard's specialists and CS1 site engineers due to their input limitations that is not fully response to needs of large geographical locations of the proposed subprojects under EA and IAs.
- Data collection and reporting systems are still an issues and may need more times to train the project team by using an appropriate computer program and software applications.

- **Recommendation**

- The social safeguards teams/CS1/PIU need to closely monitor the construction activities to ensure social safeguards compliance, all complaints shall be heard, properly recorded and addressed on time with satisfactory manner.
 - 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.
 - Prepare GRM poster by using hard material for at least 2-year long lasting seen after the completion of the subprojects and GRC members' contact address shall be seen at the public areas especially commune and village offices, and the construction sites including campsites.
- **Next Action**
 - Conduct Social Safeguards Monitoring for on-going subprojects in collaboration with Environmental Safeguards Specialist, PMU/PIU, CS1 site engineer teams. Record all data related social safeguards issues using KoboToolbox database system. Translate KoboToolbox form English to Khmer for social safeguards screening and monitoring.
 - Provide refresher training on how to use KoboToolbox for CS1 team
 - Prepare LAR checklist for the proposed additional civil work of rural road construction subprojects under MRD.
 - Draft semi-annual report on social safeguards monitoring cover July – December 2024 by following the template of the previous semi-annual report.
 - The national social safeguards specialist continues to inspect the construction sites of all road improvement subprojects and RWHPs to ensure social safeguards compliance in collaboration with CS1/PIC and PMU/PIU teams.
 - The national social safeguards specialist work closely with PMU/IAs/PIC to strictly monitor and advise contractor to resolve all pending social safeguards issues and prepare LAR checklists to support VOs, when required.
 - The national social safeguards specialist work closely with PMU/PPIUs to guide the contractors to post GRM poster at all the construction sites and at the target village or commune offices.

4.2.2 Environmental Safeguards

PMU MAFF/PIC is required to prepared consolidated SEMR of all subproject projects under three ministries namely MRD, MOWRAM and MAFF. Semi-annual Environmental Monitoring Report (SEMR) No.7_Jul-Dec 2023 has been prepared and revised based on ADB's comments to be re-submitted to ADB.

For IEEs/EMPs development and updated during this quarter, there are no new IEEs/EMPs excepted EMP for rural road improvement of TK3 (see appendix 12). MRD-PMU has submitted a number of variation orders (VO) for additional works of the rural road's improvement and the report on environmental assessments of the TK4 for VO1 and TK3 for VO2 and TBK5 and TBK6 for VO1&VO2 have been prepared and revised based on ADB's comments. Among all only Environmental Management Plan (EMP) for TK3 that ADB advised to be updated. The EMP for TK3 has been updated and approved by ADB on 28 February 2024.

EMP for RWHP subprojects under MOWRAW is required to be updated although IEE for the civil works under MAFF was approved on 8 July 2021 including the proposal for the construction and/or the rehabilitation of Raiwater Harvested Ponds. ADB CARM environmental safeguard specialist and PIC/CS1 ECC specialist conducted field visits on 26-29 February 2024 to specific sites of the RWHP in Kampot province to assess the environmental impacts and identify mitigation measures for preparing the EMP update. Additionally, CS1 ECC specialist and project engineers conducted field survey to proposed RWHP locations in Kampong Cham and TBoung Khmum provinces to conduct environmental screening and assessment with use of REA checklists for selected rainwater harvested ponds. The results of the environmental assessment will be included in the EMP that will be prepared specifically for all proposed RWHP subprojects under MOWRAM. At present, the EMP on the RWHPs subprojects are under the preparation. It will take long (1-2 months) for finishing the EMP preparation due to lack of technical officers to assist data collection and complete the report templates as required.

The environmental monitoring programs have been set up by the project at all levels from national to sub-national levels and the contractors. The CEMP is required to be prepared by contractor and submitted to PMU for reviews and approvals before the construction starts (see details in appendix 13). The contractors have also conducted the environmental monitoring to investigate and strengthen the CEMP implementation and prepare monthly reporting to be submitted to PMU/PIC-CS1. The contractors prepared monthly environmental monitoring report following the templates of the monthly report format and monitoring checklists that have been developed and used by all the contractors. The monthly report will be submitted regularly at the end of the month.

- During the report period, PMU/PPIUs and PIC/CS1 conducted fieldworks for environmental monitoring at specific construction sites of the rural road improvement to inspect EMP implementation and ensure corrective actions were undertaken on time. The field works were conducted on 19-20 February to inspect the construction sites of the rural road improvement and provided trainings on environment, health and safety, GRM to contractors, local authorities and the community living along the improving roads (see details in the table 12 below).
 - For Takeo, TK-22 in Kampaeng commune, being constructed by C-NO construction Co., Ltd. The progress was completed 85%. The training was delivered on EHS and GRM. Total participant is 17 (3 females). At TK11 and TK12 in Angpor Pel commune, being constructed by 6 Stars construction Co., Ltd. It was reported that primary earth work has completed 100% for the road sections from PK 0+000 to 3+250. Based on commune and village authorities, the fences of 4 houses and 1 health center will be affected due to drainage to be constructed. However, commune chief and contractor has already solved the issues with agreement of the affected households. The training on EHS and GRM was provided to contractor/workers and local authorities. Total 13 participants are all males attended the training.
 - For Kampot, Inspected rural road improvement of KP18 &KP19 in Trapeang Tameas village, Prey Krang Kheang Cheung in Meanrith commune. There are two affected households to be

solved. One household complained on pipe culvert damage when they used the pipe for pumping water across the road for dry season rice fields and other household complained on RP compensation has not been received to compensate the removal of their concrete fence. On the other hand, a paddy field has been used as campsite and parking area. The paddy owner has requested to make his land as the same as the previous condition when the camping is closed or post-construction. The training on EHS and GRM was delivered with 37 participants (1 female). Inspected rural road improvement of KP9 and KP10 that have been constructing by 6 Stars construction Co., Ltd. There are 5 villages within the road's layout including Trapeang Run in Dambok Khpous commune, Damnak Chambork village in Samraong Leu commune, Svay Anchit commune in Chum Kiri district; and KP10 in Samroang Leu commune, Angkor Chey district. It was reported that the earth work will be completed in March. During discussion, the commune authority revealed that about 100m fence of the primary school will be broken by the road construction. The commune authority requested to prevent the fence from falling down that is required for additional works to mitigate the impact of the school fence falling down and soil erosion.

- The number of the participants of 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 on 19-20 February and 25 March 2024 (see table 12 below).

Table 13: List of Contractors, workers attended the ESO and GRM training_Feb-Mar-2024

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	19- Feb-24	17	14	3
CW17b-CFAVC-MRD-TK-1A-Batch2	6 Stars construction Co., Ltd	TK11 and TK12 in Angpor Pel commune	Prey Chour village, Porpel commune, Tramkak district, Takeo province	19- Feb-24	13	13	0
CW17a-CFAVC-MRD-KP-1A-Batch2	Henan Water Construction Group Co., Ltd.	KP18 &KP19	Trapeang Tameas village, Prey Krang Kheang Cheung in Meanrith commune, Kampot province	20- Feb-24	37	36	1
CW17a-CFAVC-MRD-KP-2A-Batch2	6 Stars construction Co., Ltd	KP9 and KP10	AC Samaki Amatak and Sen Han Cham Reoun Phal, Kampot province	20- Feb-24	20	19	1
CW17d-CFAVC-MRD-KC-1A-Batch2_Lot1,	M.T.A Construction Co., Ltd	KC27 & KC28_	Trapeang Kor commune Office, Kampong Cham	25- Mar-24	29	17	12
CW17d-CFAVC-MRD-KC-2A-Batch2_lot2	6 Stars Construction Co., Ltd	KC16 & KC17	Peam Chikang Pagoda, Kampong Cham	25- Mar-24	19	11	8

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.

The contractors who are implementing the subprojects should be recommended as the followings to further improve their performance:

- The contractors have to prepare the contractor 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).
- Install GRM signboards and GRC members' contact address at public areas especially commune/village offices, the construction sites and campsites
- 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:

- Prepare Environmental Management Plan(EMP) and/or update EMP for Rainwater Harvested Ponds (RWHPs) that have proposed for the construction and rehabilitation under the project support
- Encourage the awarded contractors to develop CEMP for all specific construction sites to be submitted to PMU for reviews and approval before the civil work starts
- 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 and RWHPs 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

The details of Environment Monitoring for subprojects under IAs is in appendix 11.

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:

- As of March 2024, (1) The GAP has provided comprehensive to date of overview of the project progress from year 2020-2024.
(2) The data of sex-aggregated reports have been provided more comprehensive up to date from year 2020-2024. The results these 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 2,273 times, 60,035 farmers, 25,191 females of 41.96%.
(3) The results of the data gender-related by different indicators such as women employed in civil work:
 - The women employed in civil work in the total 30 contracts with 14,630 persons, for 4,122 females of 28.17% with 461,105 workdays, has been awarded to women 119,980 workdays created by project to women of 28.17%.
 - Women benefiting from biodigesters and compost huts 35,895 farmers been trained and received information on biodigesters, 16,915 women of 47%.
 - Women benefiting from the rehabilitated irrigation system of: 1. Land 3,250 hectares implemented for 21.67% in progress. 2. Households 4,238HHs implemented for 16.95% in progress. And 3. Women 7,918 females (15.84% in progress) out of total population 16,573 persons for these 9 sub-projects implemented.
 - Women benefiting from employed in civil work by the rehabilitated by rural roads 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 in year 2021 for batch I. 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% and MRD with 100.124 km of 250km of frame road were upgraded to climate resilient standard to improve connectivity to cooperatives and market (DBST and Concrete road) – 8 sub-projects in 2023 in batch II. MRD has 1,804 persons, 475 females of 26.33% and has created 46,904 workdays awarded to women 12,350 workdays of 26.33%.
 - The women benefiting from the training and capacity building of CSA with 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. The 183 participants, 49 females equal to 27% attended 6 workshops on seed law and seed systems conducted by the Department of Crop Seed (DCS).
 - Agri-business development skills and green finance: 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 of 44.71%).

- Continued to follow the advice and comments of the ADM MTR MoU on 15th Oct. 2023 for the following data and more progress as the followings:
 - (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) Engaged more women or female-headed households in capacity building, rehabilitated infrastructure, biodigesters and compost huts, agri-business and green finance initiatives. The results of the female-headed households in the 86 ACs with 13,242 members, 7,064 females of 53.35% and ACs members with Agriculture Machineries use 5,554 farmers, 1,723 females of 31.04%. The female-headed households with 2,563 females.
 - (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 the period of preparation of the project completion report;

Challenges:

- Due to the resignation of national consultants - National Gender Specialist needs more time to work with the teams and collect more data to complete the Progress Report of Gender Action Plan Implementation – GAP.

- Detailed update on the status of the GAP Implementation in Appendix 7.

4.3 Financial Management

4.3.1 Status of Audit Implementation

Financial audit has been conducted by the external independent audit firm, KPMG, for year 2022. The result is in appendix 8.

4.3.2 Project Cost and Expenditure

• **Project Cost**

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

Table 14: 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 15: Summary of Expenditures by Sources of Fund Vs Budget

SOURCE	Budget (Allocation)	2024 Annual Budget	Year to date Expenditures 31/Mar/24	Cumulative to date Expenditures 31/Mar/24	Overall Expenditures Rate %	
					2024	Overall
ADB loan (L3661)	90,000,000	30,440,187	1,308,556	31,577,664	4.3%	35.1%
GCF loan (L8346)	10,000,000	3,137,923	102,165	2,003,243	3.3%	20.0%
GCF Grant (G0579)	30,000,000	12,099,372	825,439	5,897,648	6.8%	19.7%
RGC	7,376,000	1,560,330	37,420	826,678	2.4%	11.2%
Beneficiaries	3,664,000	450,120	-	-	0.0%	0.0%
TOTAL	141,040,000	47,687,932	2,273,580	40,305,234	4.8%	28.6%

Table 16: Summary of Expenditures by PMUs Vs Budget

EAs/ IAs	Budget (Allocation)	2024 Annual Budget	Year to date Expenditures	Cumulative to date Expenditures	Overall Expenditures Rate %	
			31/Mar/2024	31/Mar/2024	2024	Overall
PMU-MAFF	57,149,457	18,130,101	1,417,242	24,005,880	7.8%	42.0%
MOWRAM	44,235,807	16,496,851	32,821	7,054,916	0.2%	15.9%
MRD	37,349,607	13,060,980	823,516	9,244,438	6.3%	24.8%
Unassigned (Interest Charges)	2,305,129	-	-	-	0.0%	0.0%
TOTAL	141,040,000	47,687,932	2,273,580	40,305,234	4.8%	28.6%

Table 17: consolidated expenditure by category (PMU-MAFF, MOWRAM & MRD)

Expenditure	Expenditures during the Reporting Period (\$) (Q1)						Cumulative Expenditures (\$)						Achievement (%) *
	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	752,570	102,165	84,467	-	-	939,203	20,622,305	1,998,270	1,613,305	-	-	24,233,879	
Goods (Equipment & Supplies)	-	-	-	-	-	-	913,650	-	-	-	-	913,650	
Capacity Development (Training, Workshops, Seminars)	-	-	740,971	-	-	740,971	-	-	3,974,391	-	-	3,974,391	
Consulting Services	434,568	-	-	-	-	434,568	7,741,978	-	309,953	-	-	8,051,930	
Incremental Operating Costs (Project Management)	121,418	-	-	37,420	-	158,838	1,907,307	-	-	826,678	-	2,733,986	
Subtotal	1,308,556	102,165	825,439	37,420	-	2,273,580	31,185,240	1,998,270	5,897,648	826,678	-	39,907,836	
JFPR Total	-	-	-	-	-	-	-	-	-	-	-	-	
GOVERNMENT	-	-	-	-	-	-	-	-	-	-	-	-	
OTHER DONOR/ Interest Charges	-	-	-	-	-	-	392,424	4,974	-	-	-	397,397	
						-	-					-	
OVERALL TOTAL (MAFF-MOWRAM-MRD)	1,308,556	102,165	825,439	37,420	-	2,273,580	31,577,664	2,003,243	5,897,648	826,678	-	40,305,234	

4.4 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. Major Project Issues

Issues:

- 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.

Solutions:

- 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 Q2 2024.
- The consulting firm and PMU has prepared the VO15 to submit to MEF and ADB

Appendix 1: Project Implementation Schedule

Overall Project Implementation Plan

Output and Activities	2019		2020				2021				2022				2023				2024				2025				2026	
	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
Output 1: Critical agribusiness value chain infrastructure improved and made climate resilient																												
Activity 1.1: Rehabilitating water management infrastructure to climate resilient condition																												
Off-farm climate resilient irrigation & water management infrastructure																												
- Bid preparation for first batch subprojects																												
- Bidding, construction and handover																												
- Further subproject identification/evaluation bidding																												
- Construction and handover of subprojects																												
On-farm water catchment ponds																												
- Selection of sites based on the approved eligibility criteria																												
- Procurement, award, construction and handover																												
Drip-irrigation demonstration sites																												
- Bid preparation for representative subproject																												
- Bidding, construction and handover																												
- Further subproject identification/evaluation bidding																												
- Construction and handover of subprojects																												
Activity 1.2: Upgrading agricultural cooperative value chain infrastructure																												
AC drying and storage unit establishment																												
- Bid preparation for representative subproject																												
- Bidding, construction and handover																												
- Further subproject identification/evaluation bidding																												
- Construction and handover of subprojects																												
Activity 1.3: Improving connectivity to cooperatives and markets through climate resilient farm road networks																												
Rural roads production zone and market access																												
- Subproject identification requiring rural roads																												
- Bidding, construction and handover																												
Activity 1.4: Strengthening infrastructure for agricultural quality and safety testing																												
NAL Plant Bio-technology Laboratory support																												
- Consultant selection and recruitment																												
- Materials & equipment procurement																												
- GMO, plant toxins & bio-fertilizer testing implemented and perfected																												
- Tissue culture protocols developed																												
- ISO 17025 capacity and compliance																												
- Laboratory commercialization implemented																												
- Rapid field testing implemented																												
Activity 1.5: Promoting renewable energy for value chain improvement																												
NBP Bio-digester program																												
- Bio-digester work plan with NBPO & PDAFFs																												
- Construction and bio-digester handover																												

Output and Activities	2019		2020				2021				2022				2023				2024				2025				2026		
	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	
Bio-digester standards development																													
- Technical committee/working group formation																													
- Draft standards and consultation																													
- National Standards Committee endorsement																													
Bio-slurry compost hut promotion																													
- Compost hut design																													
- Work plan and financial support determined																													
- Construction and handover																													
Agribusiness Photovoltaic Feasibilities																													
- Study scope determined																													
- Agribusinesses identified																													
- Detailed study for green finance																													
AC drying and storage unit solar power systems																													
- Requirements & designs elaborated																													
- Bidding, installation and commissioning																													
PADC solar power systems																													
- Requirements & designs elaborated																													
- Bidding, installation & commissioning																													
Output 2: Climate smart agriculture and agribusiness promoted																													
Activity 2.1: Deploying climate resilient varieties																													
Climate resilient variety release and dissemination																													
- Recruitment of IRR1																													
- Locational and on-farm trials																													
- Seed bulking up & farmer field days																													
- Varietal release																													
- Commercialization initiatives																													
Activity 2.2: Strengthening capacity in climate friendly production practices and technologies																													
- Training materials collated or elaborated																													
- CSA, SRP, CAMGAP training formal & in-field																													
- AC drying and storage unit, management & operation																													
- FWUC management, operation & systems maintenance																													
- Agricultural machinery, operation, repair, fabrication & maintenance																													
- Laser levelling training and demonstration																													
Activity 2.3: Promoting farm mechanization and extension																													
PADC construction (Takeo, Tbong Khmum & Kampong Cham) or rehabilitation (Kampot)																													
- Design & bid preparation																													
- Bidding, construction and handover																													
Provincial Agricultural Engineering Workshop construction (Kampot, Kampong Cham & Tbong Khmum) and equipping (Takeo)																													
- Design & bid preparation																													
- Bidding, construction and handover																													
Output 3: Enabling environment for climate friendly agribusiness enhanced																													
Activity 3.1: Formulating climate friendly agribusiness policies and standards																													
Climate smart agribusiness policy & policy HRD																													
- Work plan & technical committee formation																													
- Draft policy and consultation																													
- MAFF & MOC endorsement																													

Output and Activities	2019		2020				2021				2022				2023				2024				2025				2026		
	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	
Industrial development policy																													
• Action plan for MAFF implementation																													
Climate conscious standards development i.e. CamGAP and SRP																													
• Work plan & CAMGAP technical committee																													
• Draft Standards, consultation & NSC endorsement																													
• Linking SRP Alliance activities to project																													
• CSA activities determination																													
Activity 3.2: Promoting green finance and risk sharing mechanisms																													
Inter-ministerial committee – enabling environment for PPPs/commercial incentives & best practices																													
• Committee composition and scope determined																													
• IMC meetings			√		√		√		√		√		√		√		√		√		√		√		√		√		√
Crop-centric PPP forums																													
• Forum composition and scope determined																													
• Forum meetings			√		√		√		√		√		√		√		√		√		√		√		√		√		√
ASEAN Study tours																													
• Tour requirements and planning																													
• Study tour																													
PPP feasibility studies																													
• Study scope determined																													
• Agribusinesses identified																													
• Detailed study for green finance																													
Financial institution capacity building for climate friendly agribusiness																													
• Technical support Services (package: CS2) consultant recruitment																													
• Risk aversion awareness training & capacity building																													
• Green initiative field visits																													
• Existing initiatives review, implementation plan																													
Activity 3.3: Supporting climate risk management through information and communication technologies (ICT)																													
• Expand and extend existing ICT activities for climate smart agribusiness in Kampong Cham Province																													
Project Management Cross-Cutting Activities																													
Consultant selection procedures (aside from PIC)																													
Environment management plan key activities																													
Gender action plan key activities																													
Communication strategy key activities																													
Inception report / review mission			√																										
Annual Project performance report																													
Quarterly Progress Report (including financial report)																													
Twice yearly and/or midterm review																													
Government project completion report																													
Project physical completion date																													
Financial closing																													

Note: ▲ - periodic

AC = agricultural cooperatives; CAMGAP = Cambodia Good Agricultural Practice; CSA = climate smart agriculture; FWUC = farmers water user committee; GMO = genetically modified organism; HRD = Human Resource Development; ICT = information and communication technology; ISO = International Organization for Standardization; MAFF = Ministry of Agriculture, Forestry and Fisheries; MC = ? MOC = Ministry of Commerce; NAL = National Agricultural Laboratory; NBP = National Bi-digester Program; NBPO = National Biodigester Program Office; NSC = National Standards Council; PADC = Provincial Agricultural Development Center; PDAFF = Provincial Department of Agriculture, Forestry and Fisheries; PIC = project implementation consultants; PMU = project management unit; PPP = public-private partnerships; SRP = Sustainable Rice Platform.

Source: PPTA consultant

Appendix 2: Detailed Project Implementation Progress

Output 1:

ACTIVITY	SUBACTIVITY	UNIT	DMF SCORE	OVERALL TARGET	Sub-Weight (%)	DMF weight (%)	Progress March 2024			
							Current Progress %	Accumulated Progrss	Weighted Progress (%)	
							E=(F/B)*100	F	G=(E*D)/100	
(A)	(B)	(C)	(D)							
1.a	27 Irrigation and water management systems rehabilitated and made climate-friendly	Step 1A: Identification of ISs	Schemes	15	27	5	0.75	100.00	27	0.75
		Step 1B: Feasibility Study incl safeguards	Schemes		27	10	1.5	100.00	27	1.50
		Step 2: Topographic Survey	Ha		15,000	10	1.5	100.00	15,000	1.50
		Step 3 + 4: DED & Tender file	Ha		15,000	10	1.5	83.33	12,500	1.25
		Procurement	Ha		15,000	5	0.75	21.67	3,250	0.16
		Rehabilitated & Climate resilient (Construction Progress Works)	Ha		15,000	55	8.25	21.67	3,250	1.79
		O&M	Schemes		27	5	0.75	0.00	-	0.00
		Sub-total						100	15	
1.b	800 On-farm rainwater harvesting ponds commissioned (incl. 15 drip irrigation)	Identification of ponds	no	5	500	7.5	0.375	83.60	418	0.31
		Farm identification for drip system	no		15	2.5	0.125	100.00	15	0.13
		DED Ponds	no		500	20	1	83.60	418	0.84
		DED Drip system	no		15	5	0.25	13.33	2	0.03
		Procurement & Implementation ponds	no		500	50	2.5	83.60	418	2.09
		Drip systems installation	no		15	15	0.75	0.00	-	0.00
		Sub-total						100	5	
1.c	At least 250 Km Farm roads upgraded to climate resilient standards to improve Connectivity to	Step 1A: Identification	km	15	250	5	0.75	108.80	272	0.82
		Step 1B: Feasibility Study incl Safeguards	km		250	10	1.5	108.80	272	1.63
		Step 2:Topographic Survey	km		250	10	1.5	108.80	272	1.63
		Step 3+4: DED & Tender file	km		250	10	1.5	86.04	215	1.29
		Rehabilitated & Climate resilient (Construction Progress Works)	km		250	60	9	40.80	102	3.67
		O&M	km		250	5	0.75	0.00	-	0.00
		Sub-total						100	15	

	Cooperatives and Markets									
1.d	80 Agricultural cooperatives have integrated adaptation measures in postharvest infrastructural investments	Identification	No	15	80	5	0.75	100.00	80	0.75
		Site location Survey	no		80	5	0.75	100.00	80	0.75
		DED & Tender file	no		3	10	1.5	100.00	3	1.50
		Procurement	no		3	10	1.5	100.00	3	1.50
		Construction	No		80	65	9.75	100.00	80	9.75
		O&M	no		80	0	0.75	0.00	-	0.00
		Sub-total				95	15			14.25
1.e	Crop product quality and safety testing infrastructure in National Agriculture Laboratory upgraded	TNA for LAB staff	No	5	1	10	0.5	100.00	1	0.50
		DED & Procurement	No		1	20	1	100.00	1	1.00
		Implementation	No		1	60	2.5	100.00	1	2.50
		Training of staff	Person		100	10	0.5	62.00	62	0.31
		On-the job training	Person		500	10	0.5	45.60	228	0.23
		Sub-total				100	5			4.54
1.f.1	12,000 Bio-digesters made operational benefitting 80,000 persons (50% are women)	Identification of Bio-digesters	Biodigester	5	6,000	10.00	0.50	69.27	4,156	0.35
		DED & Tender file	document		3	10.00	0.50	53.33	1.60	0.27
		Procurement	document		3	10.00	0.50	33.33	1.00	0.17
		Construction of biodigesters	Biodigester		6,000	60.00	3.00	2.35	141	0.07
		Training of beneficiaries	Perons		24,000	10.00	0.50	158.80	38,113	0.79
		Sub-total				100.00	5.00			1.64
1.f.2	6,000 Compost-huts made operational benefitting 20,000 persons (50% are women)	Identification of compost-huts	Compost hut	5	6,000	10.00	0.50	69.27	4,156	0.35
		DED & Tender file	document		3	20.00	1.00	53.33	1.60	0.53
		Procurement	document		3	10.00	0.50	50.00	1.50	0.25
		Construction of compost huts	Compost hut		6,000	50.00	2.50	2.35	141	0.06
		Training of beneficiaries	Persons		24,000	10.00	0.50	158.80	38,113	0.79
		Sub-total				100.00	5.00			1.98
		Total for Output 1		65			65.00			41.81

Output 2:

ACTIVITY	SUBACTIVITY	UNIT	DMF SCORE	OVERALL TARGET	Sub-Weight (%)	DMF weight (%)	Progress March 2024			
							Current Progress %	Accumulated progress	Weighted Progress (%)	
			(A)	(B)	(C)	(D)	$E=(F/B)*100$	F	$G=(E*D)/100$	
2.a	3 Additional climate-resilient varieties of rice and maize released	Development of new rice varieties	Varieties	5	2	50	2.5	50.00	1.00	1.25
		Development of new maize varieties	Variety		1	20	1	0.00	-	0.00
		Multiplication of existed rice varieties production of FS rice for PRD, PMD and CAR 16	Seeds		1,000	3	0.15	50.00	500.00	0.08
		Multiplication of maize seed (CM1) varieties	Seeds		3	3	0.15	100.00	3.00	0.15
		Distribution of rice seeds for demonstration seed production (PRD, PMD) for WS and CAR 16 for DS	Seeds		160	3	0.15	93.75	150.00	0.14
		Distribution of maize for seed production	Seeds		3	4	0.2	33.33	1.00	0.07
		Training of farmer group on BMP (240 courses)	Persons		10,000	4	0.2	26.00	2,600.00	0.05
		Training of farmer group on rice seed production (120 courses)	Persons		4,000	4	0.2	36.25	1,450.00	0.07
		Field day (120 events)	People		15,000	2.5	0.125	30.00	4,500.00	0.04
		Site identification for Cassava seeds demonstration	Demo		40	2.5	0.125	50.00	20.00	0.06
		Laser Land Leveling (LLL)	ha		4,000	4	0.2	11.75	470.00	0.02
		Sub-total						100	5.00	
2.b	40,000 Farmers trained in Climate-smart Agriculture	Training of TOT-Trainers	Persons	5	80	3	0.15	75.00	60.00	0.11
		Drafting of training material for climate smart agriculture	set		1	2	0.1	100.00	1.00	0.10
		Implementation of comprehensive Needs assessment	set		4	2	0.1	100.00	4.00	0.10

	and agribusiness development skills	Drafting of training material for agribusiness development	set		1	3	0.15	100.00	1.00	0.15
		Farmers trained on CAMGAP standards	Persons		500	15	0.75	44.00	220.00	0.33
		Farmers trained on CSA	Persons		20,000	25	1.25	85.89	17,177.00	1.07
		Farmers trained on SRP	Persons		20,000	20	1	85.89	17,177.00	0.86
		Farm mechanization and agriculture conservation	Persons		9,500	15	0.75	25.87	2,458.00	0.19
		Agriculture Cooperative (board members)	Persons		20,000	15	0.75	-	-	0.00
		Sub-total					100	5.00		
2.c. 1	27 FWUCS of FWUGS made operational	Preparation of training materials	set	3	1	2.5	0.075	100.00	1.00	0.08
		Step 1: Dissemination the Information and Process FWUC formation	meeting		27	5	0.15	62.96	17.00	0.09
		Step 2: Demarcate the command areas and data collection	meeting		54	10	0.3	31.48	17.00	0.09
		Step 3: Create the Statute Committees to draft the Statute	FWUC		27	10	0.3	62.96	17.00	0.19
		Step 4: Form Farmer Water User Community	FWUC		27	10	0.3	62.96	17.00	0.19
		Step 5: Develop the FWUC statute	FWUC		27	10	0.3	62.96	17.00	0.19
		Step 6: FWUC Committee Election	FWUC		27	15	0.45	62.96	17.00	0.28
		Step 7: Finalization of FWUC Statute and Action Plan	FWUC		27	25	0.75	55.56	15.00	0.42
		Step 8: FWUC Approval and Registration	FWUC		27	12.5	0.375	55.56	15.00	0.21
		Sub-total					100	3.00		
2.c. 2	500 FWUCS of FWUGS, developed capacity to operate and maintain	Preparation of training material on operation	set	3	27	10	0.3	55.56	15.00	0.17
		Preparation of training material on maintenance	set		27	10	0.3	55.56	15.00	0.17
		Trained FWUCs of FWUGs on schemes management	Persons		500	70	2.1	73.80	369.00	1.55
		Application of MEF budget (FWUC)	FWUC		27	10	0.3	-	-	0.00

	their irrigation schemes	Sub-total				100	3.00			1.88
2.d. 1	4 Agricultural development centers made fully operational to provide agribusiness services	Identification and Initial Survey	No	2	4	10	0.2	100.00	4.00	0.20
		DED & Tender file	No		4	35	0.7	100.00	4.00	0.70
		Procurement	No		4	10	0.2	100.00	4.00	0.20
		Construction	No		4	40	0.8	100.00	4.00	0.80
		Training of users (50% are women)	No		4	5	0.1	-	-	0.00
		Sub-total					100	2.00		
2.d. 2	4 Engineering workshops made fully operational to provide agribusiness services	Identification and Initial Survey	No	2	4	10	0.2	100.00	4.00	0.20
		DED & Tender file	No		4	35	0.7	100.00	4.00	0.70
		Procurement	No		4	10	0.2	100.00	4.00	0.20
		Construction	No		4	40	0.8	100.00	4.00	0.80
		Training of users (50% are women)	No		4	5	0.1	-	-	0.00
		Sub-total					100	2.00		
Total for Output 2				15			20.00			12.27

Output 3:

		SUBACTIVITY	UNIT	DMF score	OVERALL TARGET	Sub- Weight (%)	DMF weight (%)	Progress March 2024		
								Current Progress %	Accumulated progress	Weighted Progress (%)
				(A)	(B)	(C)	(D)	E=(F/B)*100	F	G=(E*D)/100
3.a	Policy on Climate Smart and Gender Responsive Agribusiness and PPP framework formulated	Draft of Climate Smart and Gender Responsive Agrib-policy	Policy	2	1	20.00	0.40	50.00	0.50	0.20
		Draft CSA policy	Policy		1	20.00	0.40	50.00	0.50	0.20
		Draft guidance manual for climate neutrality and adaption for agribusiness operation	Prakas		1	20.00	0.40	50.00	0.50	0.20
		Draft IDP strategy for climate friendly agribusiness			1	20.00	0.40	65.00	0.65	0.26
		Draft PPP framework formulated	Framework		1	20.00	0.40	50.00	0.50	0.20
		Sub-total						100.00	2.00	
3.b	Good Agriculture Practice for tropical fruit endorsed	Guidance manual for climate neutrality and adaptation standards for agribusiness operation	Strategy	2	1	20.00	0.40	100.00	1.00	0.40
		Climate-friendly become more widely utilized with eight of largest Cambodia millers/exporters being part of alliance	Rice miller		8	15.00	0.30	12.50	1.00	0.04
		Standards on CamGAP tropical fruit formation	Standard		1	20.00	0.40	50.00	0.50	0.20
		Development of standards for organic fertilizer	Standard		1	15.00	0.30	90.00	0.90	0.27
		Development of IDP strategies for climate friendly agribusiness	Strategy		1	5.00	0.10	75.00	0.75	0.08
		National standards on biodigester development	Standard		1	5.00	0.10	100.00	1.00	0.10
		Socialize GAP Standards for tropical fruit	No		2	20.00	0.40	10.00	0.20	0.04
		Sub-total						100.00	2.00	
3.c	Good Agriculture Practice for organic fertilizer endorsed	Assessment TNA on CSA and Green finance	No	2	1	10.00	0.20	100.00	1.00	0.20
		Develop training material for staff training in CSA	No		1	15.00	0.30	100.00	1.00	0.30
		National Policy and Standards of Biodigester and bioslurry	policy		1	10.00	0.20	100.00	1.00	0.20
		Develop training material for staff training in green finance	No		1	15.00	0.30	80.00	0.80	0.24

		Implementation of training on green finance in CSA	Staff		50	25.00	0.50	0.00	-	0.00
		Implementation training in green finance	Staff		50	25.00	0.50	0.00	-	0.00
		Sub-total				100.00	2.00			0.94
3.d	30 agribusinesses trained in green finance and CSA	Assessment TNA on CSA and Green finance	TNA	2	1	10.00	0.20	100.00	1.00	0.20
		Develop training material for staff training in CSA	no		1	15.00	0.30	85.00	0.85	0.26
		Develop training material for staff training in green finance	no		1	15.00	0.30	70.00	0.70	0.21
		Implementation of training on green finance in CSA	Staff		30	30.00	0.60	26.67	8.00	0.16
		Implement training in green finance	Staff		30	30.00	0.60	0.00	-	0.00
		Sub-total				100.00	2.00			0.83
3.e	50 Staff from financial institutions trained in CSA and green finance	Assessment of TNA on CSA and Green finance	TNA	2	1	10.00	0.20	85.00	0.85	0.17
		Develop training material for staff training in CSA	Set		1	10.00	0.20	70.00	0.70	0.14
		Develop climate risk sharing mechanism /instrument	Set		1	20.00	0.40	15.00	0.15	0.06
		Awareness raising on weather and climate risk information sharing to communities	staff		50	60.00	1.20	48.00	24.00	0.58
		Sub-total				100.00	2.00			0.95
3.f	20,000 Households provided with information on climate risk-sharing instruments	Implementation of TNA	No	2	1	10.00	0.50	100.00	1.00	0.50
		Develop training material for staff training in green finance	No		1	15.00	0.50	50.00	0.50	0.25
		Implementation of training on green finance in CSA	Persons		20,000	75.00	1.00	0.00	-	0.00
		Sub-total				100.00	2.00			0.75
3.9	Supporting Climate Risk Management through Information and Communication Technologies (ICT)	Development of ICT	No	3	1	55.00	1.65	5.00	0.05	0.08
		Purchase of equipment	No		1	20.00	0.60	5.00	0.05	0.03
		Installation of the center	No		1	25.00	0.75	5.00	0.05	0.04
		Sub-total				100.00	3.00			0.15
Total for Output 3				15			15.00			5.79

DMF PROGRESS

Output and Activities		Assigned weight	PHYSICALL WEIGHTED PROGRESS (%)
			31/03/2024
Output 1 – Critical Agribusiness Value Chain Infrastructure Improved and made Climate-Resilient			
1.a	27 Irrigation and water management systems rehabilitated and made climate-friendly	15.00	6.95
1.b	800 On-farm rainwater harvesting ponds commissioned (incl. 15 drip irrigation)	5.00	3.40
1.c	At least 250 Km Farm roads upgraded to climate resilient standards to improve Connectivity to Cooperatives and Markets	15.00	9.04
1.d	80 Agricultural cooperatives have integrated adaptation measures in postharvest infrastructural investments	15.00	14.25
1.e	Crop product quality and safety testing infrastructure in National Agriculture Laboratory upgraded	5.00	4.54
1.f1	12,000 Bio-digesters made operational benefitting 40,000 persons (50% are women)	5.00	1.64
1.f2	6,000 Compost-huts made operational benefitting 40,000 persons (50% are women)	5.00	1.98
sub-total Output 1		65.00	41.81
Output 2 – Climate-smart Agriculture and Agribusiness Promoted			
2.a	3 Additional climate-resilient varieties of rice and maize released	5.00	1.93
2.b	40,000 Farmers trained in Climate-smart Agriculture and agribusiness development skills	5.00	2.92
2.c.1	27 FWUCS of FWUGS made full operational	3.00	1.74
2.c.2	500 FWUCS of FWUGS developed capacity to operate and maintain their irrigation schemes	3.00	1.88
2.d.1	4 Agricultural development centers made fully operational to provide agribusiness services	2.00	1.90
2.d.2	4 Engineering workshops made fully operational to provide agribusiness services	2.00	1.90
sub-total Output 2		20.00	12.27
Output 3 – Enabling Environment for Climate-Friendly Agribusiness Enhanced			
3.a	Policy on Climate Smart and Gender Responsive Agribusiness and PPP framework formulated	2.00	1.06
3.b	Good Agriculture Practice for tropical fruit endorsed	2.00	1.12
3.c	Good Agriculture Practice for organic fertilizer endorsed	2.00	0.94
3.d	50 Staff from financial institutions trained in CSA and green finance	2.00	0.83
3.e	30 agribusinesses trained in green finance and CSA	2.00	0.95
3.f	20,000 Households provided with information on climate risk-sharing instruments	2.00	0.75
3.g	Supporting Climate Risk Management through Information and Communication Technologies (ICT)	3.00	0.15
sub-total Output 3		15.00	5.79
OUTPUT	Output 1	65.00	41.81
	Output 2	20.00	12.27
	Output 3	15.00	5.79
	TOTAL Output (1 + 2 + 3)	100.00	59.87

Appendix 3: 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 Lot 1: Teuk Char East Lot Lot 2: Teuk Char West	3,750,000.00 1,875,000.00 1,875,000.00	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- 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)	1,964,210.00	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: Tbong Damei Community	1,358,960.00						
	Lot 2: Kampong Raing Feeding Canal	605,250.00						
CFAVC-MOWRAM-TBM-CW13-2 (2022)	Irrigation Subprojects, Tbong Khmum province (2 schemes) Choam Tahoeung (1120ha) Trapeang Ampil	2,350,000.00	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: 1	1,175,000.00						
	Lot 2: 2	1,175,000.00						
CFAVC-MOWRAM-TEO-CW15-2 (2022)	Irrigation Subprojects, Takeo province (3 schemes) Kwaeng Tayi Plov Touk & Chrouk 1 Prey Rumdeng feeding Canal	2,867,160.00	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)
	Lot 1: Kwaeng Tayi	768,140.00						
	Lot 2: Plov Touk & Chrouk 1	832,020.00						
	Lot 3: Prey Rumdeng feeding Canal	1,267,000.00						
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	458,143.00						

CW14 (CFAVC-M OWRAM- KPC-CW1 4-1 (2020)	Irrigation Subprojects, Kampong Cham province (2 schemes: 955 ha) Lot 1: CW14-A Pram Kompheak (635 ha) Lot 2: CW14-B O kamprok (320 ha)	2,147,000.00 1,247,000.00 900,000.00	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)
CW15 (CFAVC-M OWRAM-T EO CW15-1 (2020)	Irrigation Subprojects, Takeo province (2 schemes: 750 ha) Lot 1: CW15-A Prey Kdouch (550 ha) Lot 2: CW15-B Krain Ampil (200 ha)	1,664,000.00 1,230,800.00 433,200.00	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)
CW16	Remaining Irrigation subprojects for four provinces. Lot 1: 1 Lot 2: 2 Lot 3: 3 Lot 4: 4 Lot 5: 5 Lot 6: 6 Lot 7: 7 Lot 8: 8	5,719,178.52 714,897.30 714,897.30 714,897.30 714,897.30 714,897.30 714,897.30 714,897.42	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)
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)	8,418,208.00	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)
	Lot 1	701,517.37						
	Lot 2	701,517.33						
	Lot 3	701,517.33						
	Lot 4	701,517.33						
	Lot 5	701,517.33						
	Lot 6	701,517.33						
	Lot 7	701,517.33						
	Lot 8	701,517.33						
	Lot 9	701,517.33						
	Lot 10	701,517.33						
	Lot 11	701,517.33						
	Lot 12	701,517.33						
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)	3,605,058.00	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: 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).	2,201,113.23						
	Lot 2: Road Improvement total (9.098 km) 1. Snay Anhchit – Thlok Yul (3.817 km); 2. Trapeang Run-Bariveas (5.281 km)	1,403,944.77						
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: Toal: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-C FAVC- 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-C FAVC - 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)

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) Lot 1: Rural Road improvement (DBST) Kampot Province (11,948.05m) Lot 2: Rural Road improvement (DBST) Kampot Province (8,104.00m)	2,535,380.05 1,488,481.62 1,046,898.43	2,144,304.98 1,266,929.22 877,375.76	NCB	Q1/2021	29-June-2022	Lot 1: Royal Mekong Construction & Development Pte., Ltd Lot 2: Royal Mekong Construction & Development Pte., Ltd
CW17b-CFAVC-MRD-TK3 & TK4-2020	Rural Road improvement (DBST) Takeo Province (14.67 km) Lot 1: Rural Road improvement (DBST) Takeo Province (10.00 km) Lot 2: Rural Road improvement (DBST) Takeo Province (4.67 km)	2,327,615.73 1,420,261.51 907,354.22	2,123,018.50 1,243,719.86 879,298.64	NCB	Q4/2020	18-Jan-2022	Lot 1: Henan Water Construction Group Co., Ltd. Lot 2: Hout Chhoeun Construction Co., Ltd.

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-CFAVC-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-CFAVC-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 length (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/Con) 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).	4,590,287.36		NCB	Q2/2023		
	Lot 1: Total:16.370 km:	2,247,270.00					
	1. From Chruol-Kbal Thnal (8.110 km);						
	2. From Sralab-Smaonh (5.437 km);						
	3.Kouk Srok (2.823 km)	2,343,017.36					
	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)						

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/ 01	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/ 02	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/ 03	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/ 04	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
None							
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/ CFAVC/MAFF	Office Partition and Electronic Connection	3,000.00	3,244.60	Shopping without Advertising		13-Nov-19	Veng Srun
CW20/001/ CFAVC/MAFF	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 G	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 G	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 4: Procurement Monitoring and Tracking Form (PMTF)

Appendix 4.1 - Procurement Monitoring and Tracking Form - Goods

No	Contract No.	Contract Description	Prior (P) or Post Review (PR)	Method of Selection	Planned(PL)/Accual(AC)	Design and Cost Estimate			Contract				
						EA sent to DP for NOL (Date)	EA received DP's NOL (Date)	Cost Estimate (Amount)	Contract Signed (Date)	Contractor's Name	Contract Amount (\$)	Contract Started (Date)	Contract Completion (Date)
1	2	3	4	5	6	7	8	9	19	20	21	22	23
1	G6/GD-001/MAFF/2019	The Supply of 47 Motorcycles for CFAVC	Post Review	Shopping With Ads				\$96,242.00	23-Jan-2019	OMC Co., Ltd	\$78,114.00	23-Jan-2019	12-Feb-19
2	G5/GD-002/CFAVC/MAFF/2019	The Supply of 15 Pick-up Trucks for CFAVC	Prior Review	NCB				\$795,532.00	27-Feb-19	HGB Auto Co., Ltd	\$419,250.00	27-Feb-2019	22-May-2019
3	G-12/GD003/CFAVC/MAFF/2019	The Supply Office Appliance	Post Review	Shopping Without Ads			21-Oct-19	\$11,600.00	15-Nov-19	Mongkol Bee	\$11,240.00	15-Nov-2019	29-Nov-2019
4	G11/GD-004/CFAVC/MAFF/2019	The Supply of Office Furniture	Post Review	Shopping With Ads			21-Oct-19	\$61,970.00	18-Dec-19	Office Furniture Solutions Co., Ltd	\$61,731.00	18-Dec-2019	17 Jan 2020
5	G10/GD-005/CFAVC/MAFF/2019	The Supply Office Equipment	Post Review	NCB			21-Oct-19	\$123,400.00	25-Dec-19	ICE Electronics Co.,Ltd	\$123,447.00	25-Dec-19	7-Feb-20
6	G13/GD-001/CFAVC/MAFF/2020	The Supply of 05 Units Pick-up Truck for PMU/MAFF	Post Review	NCB			21-Oct-19	\$150,000.00	7-Feb-20	RMA Cambodia Co., Ltd	\$137,500.00	7-Feb-20	1-Jun-20
7	001/GD/2020/CFAVC/MAFF	The Supply of Office Stationary for PMU	Post Review	Shopping Without Ads				\$6,000.00	4-Sep-20	Angkor Thom Book Center	\$4,950.60	4-Sep-20	11-Sep-20
8	002/GD/2020/CFAVC/MAFF	The Supply and Installation Wheel Tyre for 5 Pick-up Mazda	Post Review	Shopping Without Ads				\$4,000.00	11-Sep-20	Heng Heng Shop	\$3,560.00	11-Sep-20	18-Sep-20
9	G14/GD-001/CFAVC	The supply & Delivery of 02 units of Pickup Trucks	Post	Shopping With Ads				\$80,000.00	21-Feb-22	HGB Auto Co., Ltd	\$55,200.00	21-Feb-22	30-Mar-22

10	G15/GD-002/CFAVC	The supply & Delivery of 16 units of Motorcycles	Post	Shopping Without Ads				\$35,200.00	17-Feb-22	O.M.C Co., Ltd.	\$27,168.00	17-Feb-22	16-Mar-22
11	G2	Rapid Test Kits + Bio / Organic Fertilizer Laboratory (materials and equipment)	Prior	ICB				\$1,007,722.18					
12	G1a	Biotechnology (NAL) Laboratory (including tissue culture house equipment)	NCB	NCB				\$997,750.00					
13	G4	Equipment for mechanization workshop for 4 provinces (Tboung Khmum, Kampong Cham, Kampot, and Takeo)	NCB	Post				\$634,076.00					
14	G1	Biotechnology (NAL) Laboratory (including tissue culture house equipment)	Post	ICB				\$2,037,070.00					
15	G16	Supply circulated cyclinder dryer for the 100 Ton warehouse	Post	NCB				\$460,000.00					
16	G3	Equipment & Materials for 15 Drip Irrigations systems (includes tube wells/water source connection, solar pumps and other agricultural inputs and training)	Prior	NCB				\$805,617.00					
17	G7	ICT equipment training and studies	Prior	ICB				\$3,502,131.00					
18	G8	Six paddy milling equipment	Post	NCB				\$112,382.00					
19	G9	Five unit of Maize shellers (2 Tons)	Post	Shopping without ads				\$18,730.00					
		Total						\$10,939,422.18			\$922,160.60		

Appendix 4.2 – Procurement Monitoring and Tracking Form - Works

MAFF Procurement Monitoring and Tracking Form

No	Contract No.	Contract Description	Prior (P) or Post Review (PR)	Method of Selection	Planned (PL)/ Actual (AC)	Design and Cost Estimate			Contract						
						EA sent to DP for NOL (Date)	EA received DP's NOL (Date) RSA	Cost Estimate (Amount)	EA send draft Contract to the DP for NOL (Date)	EA received DP's NOL (Date)	Contract Signed (Date)	Contractor's Name	Contract Amount (\$)	Contract Started (Date)	Contract Completion (Date)
1	2	3	4	5	6	7	8	9	17	18	19	20	21	22	23
1	CW20/001/CFAVC/ MAFF	Office Partition and Electronic Connection	Post	Shopping without Advertizing				3,000.00			13-Nov-19	Veng Srun	3,244.60	14-Nov-19	21-Nov-19
2	Lot1: CW7/CFAVC/MAFF/2021/01	Construction of Mechanization Engineering Workshop-PDAFF-KPT	Prior	NCB	AC	N/A	N/A	60,154.96	25-Jun-21	26-Jul-21	16-Aug-21	Hout Chhoeun Construction Co., Ltd	62,176.87	30-Aug-21	11 Apr 22
3	Lot2: CW7/CFAVC/MAFF/2021/02	The Construction of Mechanization Engineering Workshop-PDAFF-TBK	Prior	NCB	AC	N/A	N/A	60,154.96	25-Jun-21	26-Jul-21	16-Aug-21	Hout Chhoeun Construction Co., Ltd	62,176.87	30-Aug-21	11 Apr 22
4	Lot3: CW7/CFAVC/MAFF/2021/03	The Construction of Mechanization Engineering Workshop-PDAFF-KCM	Prior	NCB	AC	N/A	N/A	60,154.96	25-Jun-21	26-Jul-21	16-Aug-21	Hout Chhoeun Construction Co., Ltd	62,176.87	30-Aug-21	11 Apr 22
													186,530.61		
5	Lot1: CW4/CFAVC/MAFF/2021/08	The Construction of Training Building-PADC & Equipment-TAK	Prior	NCB	AC	N/A	N/A	535,660.78	N/A	N/A	16-Aug-21	Hout Chhoeun Construction Co., Ltd	94,290.68	30-Aug-21	11 Apr 22
6	Lot2: CW4/CFAVC/MAFF/2021/09	The Construction of Training Building-PADC & Equipment-TBK	Prior	NCB	AC	N/A	N/A	535,660.78	N/A	N/A	16-Aug-21	Hout Chhoeun Construction Co., Ltd	92,954.64	30-Aug-21	11 Apr 22

7	Lot3: CW4/CFAVC/MAFF/2021/10	The Construction of Training Building-PADC & Equipment-KCM	Prior	NCB	A C	N/ A	N/ A	535,660.78	N/A	N/A	16-Aug-21	Hout Chhoeun Construction Co., Ltd	95,186.61	30-Aug-21	11 Apr 22
8	Lot1: CW3a/CFAVC/MAFF/2021/04	The Construction of Rice Seed Storage & Grain Storage-PDAFF-KPT	Prior	NCB	A C	N/ A	N/ A	401,745.59	N/A	N/A	9-Sep-21	Hout Chhoeun Construction Co., Ltd	366,834.92	9-Sep-21	8-Dec-21
9	Lot2: CW3a/CFAVC/MAFF/2021/05	The Construction of Rice Seed Storage & Grain Storage-PDAFF-TAK	Prior	NCB	A C	N/ A	N/ A	401,745.59	N/A	N/A	9-Sep-21	Hout Chhoeun Construction Co., Ltd	352,019.30	9-Sep-21	8-Dec-21
10	Lot3: CW3a/CFAVC/MAFF/2021/06	The Construction of Rice Seed Storage & Grain Storage-PDAFF-KCM	Prior	NCB	A C	N/ A	N/ A	401,745.59	N/A	N/A	9-Sep-21	Hout Chhoeun Construction Co., Ltd	412,637.88	9-Sep-21	8-Dec-21
11	Lot4: CW3a/CFAVC/MAFF/2021/07	The Construction of Rice Seed Storage & Grain Storage-PDAFF-TBK	Prior	NCB	A C	N/ A	N/ A	401,745.59	N/A	N/A	9-Sep-21	Hout Chhoeun Construction Co., Ltd	458,440.83	9-Sep-21	8-Dec-21
12	CW19a/CFAVC/MAFF/2021-01	Installation and commissioning of 500 biodigesters and 250 compost huts-Lot 1: Kampot/01	Prior	NCB	A C	N/ A	N/ A	91,002.25							
13	CW19a/CFAVC/MAFF/2021-02	Installation and commissioning of 500 biodigesters and 250 compost huts-Lot 2: Takeo/02	Prior	NCB	A C	N/ A	N/ A	91,002.25							
14	CW19a/CFAVC/MAFF/2021-03	Installation and commissioning of 500 biodigesters and 250 compost huts - Lot 3:	Prior	NCB	A C	N/ A	N/ A	91,002.25							

		Kampong Cham/03																
15	CW19a/CFAVC/MAFF/2021-04	Installation and commissioning of 500 biodigesters and 250 compost huts - Lot 4: Tboung Khmum/04	Prior	NCB	A C	N/ A	N/ A	91,002.25										
16	Lot 1: CW-3b1/CFAVC/MAFF/2022-01	Construction of Agricultural Cooperative Storage Units including: Cooperative store manager, Basic infrastructure for cooperative and infrastructure design, Package-1 (21 units in 2021), Lot 1 (Kampot, 8 Units) - \$931,204.65 Lot 2 (Takeo, 13 Units) - \$1,512,756.00	Prior	NCB	A C	N/ A	N/ A	2,443,781.00										
	Lot 2: CW-3b1/CFAVC/MAFF/2022-02	Construction of Agricultural Cooperative Storage Units including: Cooperative store manager, Basic infrastructure for cooperative and infrastructure design, Package-1 (21 units in 2021), Lot 1 (Kampot, 8 Units) - \$931,204.65 Lot 2 (Takeo, 13 Units) - \$1,512,756.00																

17	Lot 1: CW-3b2/CFAVC/MAFF/2022-01	Construction of Agricultural Cooperative Storage Units including: Cooperative store manager, Basic infrastructure for cooperative and infrastructure design, package-2 (14 units in 2021, Lot 1 (Kampongcham, 4 Units) - \$461,473.90 Lot 2 (Tboung Khmum, 10 Units) - \$1,540,524.10	Post	NCB	A C	N/ A	N/ A	2,010,591.00															
	Lot 2: CW-3b2/CFAVC/MAFF/2022-02	Construction of Agricultural Cooperative Storage Units including: Cooperative store manager, Basic infrastructure for cooperative and infrastructure design, package-2 (14 units in 2021, Lot 1 (Kampongcham, 4 Units) - \$461,473.90 Lot 2 (Tboung Khmum, 10 Units) - \$1,540,524.10																					

18	CW3b3 (2021)	Lot 2 (Takeo, 13 Units) - \$1,512,756.00	Prior	NCB	A C	N/ A	N/ A	3,110,901.40								
19	CW7a (Proposed for new building replacing office equipment provision in the original design)	Construction of Mechanization Workshops & Supervision for Takeo Province	Post	Shopping with advertise	A C	N/ A	N/ A	81,543.73								
20	CW5	Construction of Training Building for Provincial Agriculture Development Center (PADC) at Kampot Province (former Renovation od Agriculture Extension Building in Kampot)	Post	Shopping with advertise	A C	N/ A	N/ A	99,867.82								
21	CW11a	Construction of 02 dryer sheds for 100-ton warehouse (2 x \$40,000)	Post	Shopping with advertise	A C	N/ A	N/ A	80,000.00								
21	CW18	Repairing Glasshouse for Germplasm Maintenance + net house (for CARDI) (3 Lots)	Post	NCB	A C	N/ A	N/ A	769,445.00								

23	CW19a (Split from CW19)	Installation and commissioning of 500 biodigesters and 250 compost huts Lot 1: Tboung Khmum Lot 2: Kampong Cham Lot 3: Takeo Lot 4: Kampot	Post	NCB	A C	N/ A	N/ A	364,009.00						
24	CW19b (Split from CW19)	Installation and commissioning of 750 biodigesters and 375 compost huts Lot 1: Tboung Khmum Lot 2: Kampong Cham Lot 3: Takeo Lot 4: Kampot	Post	NCB	A C	N/ A	N/ A	544,484.00						
25	CW19 (less: CW19a, CW19b)	Installation and commissioning of 11,500 biodigesters and 5,705 compost huts*	Post	NCB	A C	N/ A	N/ A	8,367,490.00						
26	CW21/CFAVC/MAFF/2022	Renovation of Plant Tissue Laboratory, Biofertilizer and Biopesticide Testing Laboratory (of NAL under GDA)	Post	Shopping with advertise	A C	N/ A	N/ A	100,000.00		23-Aug-22	Taing Chheng Oing	139,167.67		
27	CW22/CFAVC/MAFF/2022	Construction of Net Houses (of NAL under GDA)	Post	Shopping without advertise	A C	N/ A	N/ A	24,000.00		16-Jun-22	KASEGRO	24,350.92	27-Jun-22	

28	D1a (Split from D1)	Demonstration and Training for Laser land levelling (500ha) Lot 1: Tboung Khmum - \$75,000 Lot 2: Kampong Cham - \$75,000 Lot 3: Takeo - \$75,000 Lot 4: Kampot - \$75,000	Prior	NCB	A C	N/ A	N/ A	300,000.00						
29	D1 (less: D1a)	Demonstration and Training for Laser land levelling (3,500ha) (4 lots)	Post	NCB	A C	N/ A	N/ A	1,979,592.00						
		Total						24,037,143.5 2					2,412,189.2 7	

MOWRAM Procurement Monitoring and Tracking Form (Works)

1 No	2 Contract No.	3 Description of Works	6 Plan (P) / Actual (A)	7 Cost Estimate / Actual Cost	Bidding Documents and Bidding Process						Bid Evaluation/Contract Award					Contract		
					8 Approval of Draft Bid Docs by PRC	9 Submission to DP for NOL(a)	10 NOL by DP(b)	11 Advertisement of IFB	12 Bid Closing / Bid Opening	13 Completion of Evaluation by BEC	14 Submission to PRC	15 Approval by PRC	16 Submission to DP(c)	17 NOL by DP (d)	18 Issue of Notification of Award	19 Contract Signing	20 Signed Contract to DP	
1	CFAV C-KP-TR-CW2	The Rehabilitation of Trapeang Run Irrigation Subproject in Kampot Province	P A	632,097 685,283.09	15-May-20	21-May-20	N/A	20-May-20	19-Jun-20	24-Jun-20	24-Jun-20	16-Jul-20	10-Sep-20	28-Oct-20	3-Nov-20	10-Nov-20	20-Nov-20	
2	CFAV C-MOWRAM-TBM-CW13.1	The Rehabilitation of Three (3) Schemes (Kbal Teuk, Tuol	P A	2,565,971 2,234,441.33	21-Jan-21	25-Jan-21	10-Mar-21	15-Mar-21	13-Apr-21	3-Jun-21	6-Jun-21	9-Jun-21	6-Jul-21	28-Jul-21	29-Jul-21	2-Aug-21	18-Aug-21	

		Pring, and Trapeang Tros) Irrigation Subprojects in Tbong Khmum Province														
3	CFAV C-MOW RAM-TEO-CW15.1	The Rehabilitation of Two (2) Schemes (Prey Kdouch and Kraing Empil) Irrigation Subprojects in Takeo Province	P	1,749,735												
			A	1,392,848.85	10-Mar-21			18-Mar-21	19-Apr-21	3-Jun-21	6-Jun-21	9-Jun-21	2-Jul-21	11-Aug-21	17-Dec-21	3-Jan-22
4	CFAV C-MOW RAM-KPC-CW14.1	The Rehabilitation of Two (2) Schemes (Pram Komphak and	P	2,589,444												
			A	2,201,388.95	25-Aug-21			27-Aug-21	27-Sep-21	25-Jan-22	17-Feb-22	17-Feb-22		20-Dec-22	30-Dec-22	9-Mar-23

		O'Kamp rok) Irrigatio n Subproj ects in Kampo ng Cham Provinc e															
5	CFAV C- MOW RAM- KPT- CW12 .1	The Rehabili tation of Takoch Irrigatio n Subproj ect in Kampot Provinc e	P	757,200													
			A	621,018.4 7	21- Jan- 22			25- Jan- 22	25- Feb- 22	31- Mar- 22	4-Apr- 22	8-Apr- 22			5- Dec- 22	14- Dec- 22	9- Mar- 23
6	CFAV C- MOW RAM- TBM- CW13 .2	The Rehabili tation of Two (2) Schem es (Tbong Damrei Commu nity and Kampo ng Raing Feeding Canal) Irrigatio n Subproj	P	1,964,210													
			A	2,787,044	19- Apr- 22			27- Apr- 22	27- May- 22	31- Jul-22	25- Aug- 22	26- Aug- 22			29- Sep- 23	6-Oct- 23	24- Oct- 23

		ects in Tbong Khnum Provinc e															
7	CFAV C- MOW RAM- KPT- CW12 .2A	The Rehabili tation of Trapea ng Boeung Reserv oir Irrigatio n Subproj ect in Kampot Provinc e	P	2,011,961													
		A	2,519,988	20- Jun- 22			13- Jul-22	12- Aug- 22	30- Sep- 22	11- Nov- 22	11- Nov- 22		2-Oct- 23	9-Oct- 23	24- Oct- 23		
8	CFAV C- MOW RAM- KPT- CW12 .2B	The Rehabili tation of Two (2) Schem es (Kandal Irrigatio n System and Prawoe k Pong Reserv oir) Irrigatio n Subproj ects in Kampot	P	2,148,937													
		A	2,667,166	29- Jun- 22			13- Jul-22	12- Aug- 22	30- Sep- 22	11- Nov- 22	11- Nov- 22		2-Oct- 23	9-Oct- 23	24- Oct- 23		

		Province															
9	CFAV C- MOW RAM- TBM- CW13 .3	The Rehabilitation of Two (2) Schemes (Choam Tahoueng and Trapeang Ampil) Irrigation Subprojects in Tbong Khmum Province	P	2,426,000													
			A														
10	CFAV C- MOW RAM- KPC- CW14 .2	The Rehabilitation of Teuk Char West Irrigation Subproject in Kampong Cham Province	P	2,657,250													
			A														
11	CFAV C-	The Rehabili	P	2,856,000													

	MOW RAM- KPC- CW14 .3	tation of Pou tatress Reserv oir Irrigatio n Subproj ect in Kampo ng Cham Provinc e	A														
1 1	CFAV C- MOW RAM- KPC- CW14 .4	The Rehabili tation of Teuk Char East Irrigatio n Subproj ect in Kampo ng Cham Provinc e	P A	2,856,000													
1 2	CFAV C- MOW RAM- TEO- CW15 .2	The Rehabili tation of Three (3) Schem es (Kwaen g Tayi, Plov Touk &	P A	2,867,160 2,458,544		24- Mar- 23		31- Mar- 23	2- May- 23	7-Jul- 23	4- Aug- 23	4- Aug- 23		2-Oct- 23	9-Oct- 23	24- Oct- 23	

		Chrouk 1, and Prey Rumde ng Feeding Canal) Irrigatio n Subproj ects in Takeo Provinc e															
1 3	CFAV C-MOW RAM-TEO-CW15 .3	The Rehabil itation of Two (2) Schem es (Pralay 42 and Pralay 95) Irrigatio ns Subproj ects in Takeo Provinc e	P	2,339,235													
			A	2,331,211	14-Apr-23		20-Apr-23	19-May-23	28-Jul-23	25-Aug-23	25-Aug-23		2-Oct-23	9-Oct-23	24-Oct-23		
1 4	CFAV C-MOW RAM-TEO-CW15 .4	The Rehabil itation of Three (3) Schem es (Ta Oum Reserv	P	2,900,600													
			A														

		oir, Sdok Sab, and Pou Tasuy) Irrigations Subprojects in Takeo Province																
15	CFAV C-RWH P-KAM-CW01-A.1	The Construction and Rehabilitation of 80 Rain Water Harvesting Ponds (RWHPs) in Kampot Province	P	1,052,264														
			A	1,159,762	14-Apr-22		22-Nov-22	19-Dec-22	28-Feb-23	6-Jun-23	6-Jul-23		13-Jul-23	27-Jul-23	22-Aug-23			
16	CFAV C-RWH P-KAM-CW01-A.2	The Construction and Rehabilitation of 60 Rain Water Harvesting Ponds	P	1,000,000														
			A															

		(RWHPs) in Kampot Province																
17	CFAV C- RWH P- TBM- CW01 -B.1	The Construction and Rehabilitation of 63 Rain Water Harvesting Ponds (RWHPs) in Tbong Khmum Province	P	1,372,555														
			A	1,324,598	24-Mar-23			31-Mar-23	2-May-23	1-Jun-23	28-Jul-23							
18	CFAV C- RWH P- TBM- CW01 -B.2	The Construction and Rehabilitation of 70 Rain Water Harvesting Ponds (RWHPs) in Tbong Khmum Province	P	1,000,000														
			A															

19	CFAV C- RWH P- KPC- CW01 -C.1	The Construction and Rehabilitation of 66 Rain Water Harvesting Ponds (RWHPs) in Kampong Cham Province	P	984,279													
		A	1,026,790	14-Apr-23			20-Apr-23	19-May-23	28-Jul-23	25-Aug-23							
20	CFAV C- RWH P- KPC- CW01 -C.2	The Construction and Rehabilitation of 70 Rain Water Harvesting Ponds (RWHPs) in Kampong Cham Province	P	1,000,000													
		A															
21	CFAV C-	The Constru	P	1,310,336													

	RWH P-TEO-CW01-D.1	ction and Rehabilitation of 69 Rain Water Harvesting Ponds (RWHPs) in Takeo Province	A	1,264,293	24-Mar-23				31-Mar-23	2-May-23	1-Jun-23	28-Jul-23						
2 2	CFAV C-RWH P-TEO-CW01-D.2	The Construction and Rehabilitation of 70 Rain Water Harvesting Ponds (RWHPs) in Takeo Province	P	1,000,000														
			A															
Grand Total			P	42,041,233														
			A	24,674,376														
			Diff.															

MRD TRACKING RECORD ON CONTRACTS MANAGEMENT FOR WORKS

No	Contract No.	Contract Description	Actual KM	Prior (P) or Post Review (PR)	Method of Selection	Planned(PL)/Accual(AC)	Contracts					
							Cost Estimate (Amount)	Contract Signed (Date)	Contractor's Name	Contract Amount (\$)	Commencement (Date)	Contract Completion (Date)
1	2	3	4	5	6	7	15	16	17	18	19	
1	CW17b-CFAVC-MRD-TK3&TK4-2020	Lot 1, Improve 1 Road, 10.00 Km, (Takeo)	10.00	(P)	NCB	AC	\$1,420,261.51	18/01/2022	Henan Water Construction Group Co., Ltd.	\$1,243,719.86	28-01-2022	22-07-2023
		Lot 2, Improve 1 Road, 4.67.00 Km, (Takeo)	4.67				\$907,354.22		Hout Chhoeun Construction Co., Ltd.	\$879,298.64	28-01-2022	22-07-2023
2	CW17c-CFAVC-MRD-TBK5&TBK6-2020	Lot 1, Improve 1 Road, 9.774km (Tboung Khmum)	9.774	(PR)	NCB	AC	\$1,512,021.45	17/05/2022	Heng Sambat Co., Ltd Import Export Transportation and Construction.	\$1,239,711.20	26-05-2022	17-11-2023
		Lot 2, Improve 1 Road, 12.00km (Tboung Khmum)	12.00				\$1,685,110.88		Heng Sambat Co., Ltd Import Export Transportation and Construction.	\$1,444,588.37	26-05-2022	17-11-2023
3	CW17d-CFAVC-MRD-KC7&KC8-2020	Lot 1, Improve 1 Road, 9.882km (Kampong Cham)	9.882	(PR)	NCB	AC	\$1,280,831.31	5/9/2022	MTA Construction Co., Ltd.	\$1,103,011.81	25-10-2022	17-04-2024
		Lot 2, Improve 1 Road, 4.721km (Kampong Cham)	4.721				\$736,328.11		MTA Construction Co., Ltd.	\$611,183.48	25-10-2022	17-04-2024

4	CW17a-CFAVC-MRD-KP1&KP2-2020	Lot 1, Improve 1 Road, 11,948.05m (Kampot)	11.948	(PR)	NCB	AC	\$1,488,481.62	6/29/2022	Royal Mekong Construction & Development Pte., Ltd.	\$1,266,929.22	03-10-2022	26-03-2024
		Lot 2, Improve 1 Road, 8,104.00m (Kampot)	8.104				\$1,046,898.43		Royal Mekong Construction & Development Pte., Ltd.	\$877,375.76	03-10-2022	26-03-2024
4	CW17b-CFAVC-MRD-TK-1A & 2A-Batch 2	Lot 1, Improvement of 13.976 km (Takoe)	13.976	(PR)	NCB	AC	\$2,153,628.30	2/3/2023	6 Stars Construction Co., Ltd	\$1,836,447.70	Not yet start	
		Lot 2, Improvement of 12.761 km (Takoe)	12.761				\$1,940,547.87		C.NO Construction & Investment Co., Ltd	\$1,880,287.00	Not yet start	
5	CW17a-CFAVC-MRD-KP-1A & 2A-Batch 2	Lot 1, Improvement of 12.963 km (Kampot)	12.963	(PR)	NCB	AC	\$2,293,416.51	6/16/2023	Henan Water Construction Group Co., Ltd.	\$1,999,673.93	Not yet start	
		Lot 2, Improvement of 9.098 km (Kampot)	9.098				\$1,454,917.97		6 Stars Construction Co., Ltd	\$1,273,595.30	Not yet start	
6	CW17d-CFAVC-MRD-KC-1A & 2A-Batch 2	Lot 1, Improvement of 9.425 km (Kampong Cham)	9.425	(PR)	NCB	AC	\$1,496,416.30	6/16/2023	MTA Construction Co., Ltd.	\$1,362,724.53	Not yet start	
		Lot 2, Improvement of 12.460 km (Kampong Cham)	12.460				\$2,284,981.44		6 Stars Construction Co., Ltd	\$1,985,570.95	Not yet start	
7	CW17c-CFAVC-MRD-TBK-1A & 2A-Batch 2	Lot 1, Improvement of 16,370 (Tboung Khmum)	16.370	(PR)	NCB	AC	\$2,306,669.43					
		Lot 2, Improvement of 12.891 km (Tboung Khmum)	12.891				\$2,399,346.74					
Grand Total			171.043				\$26,407,212.09			\$19,004,117.75		

Appendix 4.3 – Procurement Monitoring and Tracking Form – Consulting Firm

No	Contract No.	Contract Description	Prior (P) or Post Review (PR)	Method of Selection	TOR/EOI Contract					Contract information							
					Cost Estimate/Actual Cost	NOL from DP	Financial Opening of Qualified Firms	Combidened Evaluation Approved by	Approved by PRC	Submission to DP	NOL by DP	Contract Signing	Contractor's name	Contract amount	Signed Contract to DP for Info	Contract start date	Contract completion date date
1	2	3	4	5	7	19	20	21	22	24	25	26	27	28	29	30	31
1	SER-001/2019	Project Implementation Consultant (PIC) - Package CS1 Consultant Service	Prior	QCBS	4,379,920.00				10-Jul-19	Agriconsulting Europ S.A joint venture with SBK Research and Development	4,158,200.00	16-Sep-19			30-Sep-24		30-Sep-24
2	SER-002/2019	Capacity Building and Climate Smart Agriculture consulting firm - Package CS2 Consultant Service	Prior	QCBS	3,478,429.00				12-Jul-19	e.Gen Consultants Ltd., in association with SBK Research and Development, Okapi Environment Consulting, and International Center for Tropical Agriculture	3,265,076.00	23-Sep-19			31-Jul-24		31-Jul-24
3	SER-003/2019	Feasibility Studies and Detailed Engineering Design consulting firm – Package CS5 Consultant Service	Prior	QCBS	2,622,704.00				26-Sep-19	Resources Development Consultants (Pvt) Ltd. In association with CAM-CSTR Co., Ltd	2,313,414.00	1-Nov-19			30-Sep-24		30-Sep-24

4	SER-004/2021	Information and Communication Technology (ICT) Platform for Climate Risk Management in Agribusiness Value Chains in Kampong Cham Province	Prior	QCBS	1,737,401.00	5-Sep-22	12-Sep-22									
	CS3	CARDI	Prior	SSS	2,787,015.00											
	CS4	ICT (Including: Infrastructure, Software development, Training, workshops and Demonstrations, Policies and standards, Consultants, Office operations and support costs)	Prior	QCBS	1,737,401.00	5-Sep-22	12-Sep-22	Being progresses			9-Dec-22	Resources Development Consultants (Pvt) Ltd. In joint venture with Genesis Software (Pvt) Ltd & subconsultant CAM-CSTR Co., Ltd.	1,694,111.00	6-Jan-23	8-Jun-25	
	CS6	ITP	Prior	QCBS	126,630.00											
		Total			16,869,500.00						9,736,690.00					

Appendix 5: 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 Complied with	Inception mission verified office equipment and goods delivered to 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.

No	Covenant	Loan Agreement Reference				Compliance Status	Remarks/Issues
		Product	Schedule	Para No.	Description		
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 Complied with	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 Complied with	
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 Complied with	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	Being complied with	Progress reports have been submitted every quarter

No	Covenant	Loan Agreement Reference				Compliance Status	Remarks/Issues
		Product	Schedule	Para No.	Description		
					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.		
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.
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 Complied with	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 Complied with	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 Complied with	Agreed

No	Covenant	Loan Agreement Reference				Compliance Status	Remarks/Issues
		Product	Schedule	Para No.	Description		
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 Complied with	Agreed.
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 Complied with	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 Complied with	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 Complied with	

No	Covenant	Loan Agreement Reference				Compliance Status	Remarks/Issues
		Product	Schedule	Para No.	Description		
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.
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.

No	Covenant	Loan Agreement Reference				Compliance Status	Remarks/Issues
		Product	Schedule	Para No.	Description		
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.
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	

No	Covenant	Loan Agreement Reference				Compliance Status	Remarks/Issues
		Product	Schedule	Para No.	Description		
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.
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 be arranged. There are no category A subprojects included in the project.

No	Covenant	Loan Agreement Reference				Compliance Status	Remarks/Issues
		Product	Schedule	Para No.	Description		
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.
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;	Being Complied	First invitation for bids for civil works have been issued in April 2020.

No	Covenant	Loan Agreement Reference				Compliance Status	Remarks/Issues
		Product	Schedule	Para No.	Description		
					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.		
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 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.	To be complied with	Semi-annual safeguards monitoring reports are submitted on-time
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	Being Complied	

No	Covenant	Loan Agreement Reference				Compliance Status	Remarks/Issues
		Product	Schedule	Para No.	Description		
					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 Z 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.		
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 Complied with	In Sept 2021 was the GAP changed/modified by the ADB
Governance and anti-corruption							
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	

No	Covenant	Loan Agreement Reference				Compliance Status	Remarks/Issues
		Product	Schedule	Para No.	Description		
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.	
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 endeavor 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						

No	Covenant	Loan Agreement Reference				Compliance Status	Remarks/Issues
		Product	Schedule	Para No.	Description		
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 6: Performance Against DMF

Results Chain	Performance Indicators	Items	Unit	Baselines (2017)	Targets (2026)	Progress as of Q1 2024	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	418	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	102	272 km completed DED, 67.29 km

of farms to cooperatives and markets (2017 baseline: 0).						completed 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	141	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	141	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	38,113	for both bio-digesters and compost-huts
		Women	Women	5,721	40,000	18,210	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	17,177	
		farmers trained in CSA and agribusiness development skills	women		16,000	8,050	
		50% are SRP compliant with direct links to millers and exporters	farmers	-	20,000	6,258	
	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	persons	0	500	369	369 FWUCs representatives of out 500 FWUCs

		maintain their irrigation schemes					have been trained 106 courses
		30% women FWUC/FWUG members (representatives) developed capacity to operate and maintain their irrigation schemes	Women	0	150	108	
	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 fruit formation	Standard	0	1	0.5	
	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	1,648	
		Women	0	20,000	614	
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 7: Progress of Gender Action Plan (GAP)

Date of Update: 31 Jan. 2024

Progress Report of Gender Action Plan Implementation (as of 31 March 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 Report of GAP implementation updated by the Project Quarterly Reports of the year 2020-2024 and added more information.

Document 1: Progress of Gender Action Plan Implementation

Document 2: Status of Compliance with the Project Design and Monitoring Framework (DMF)

Document 3: Status of Compliance with Loan/Grant Covenants

GAP Indicators	Completed	Achieved	On Track	Not yet due	Off Track	No longer relevant
7 Actions	-	-	7	0	0	0
14 Targets	-	-	14	0	0	0

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. These irrigation systems expected to irrigate and benefits to: 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: 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 51.80%. Compost-hut: 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</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>marketing, Monitoring and evaluation and Innovation, and Value Chain Improvement activities.</p> <p>The project identified 4,156 farmers of which 2,087 farmers of 50.22% are female for the potential to build the compost hut.</p> <p>The key farmer who has intended to buy: ongoing 17% (1,078 HHs)</p> <p>The key farmer who is interested: ongoing 9.96% (598 HHs)</p> <p>Research, development, pilot, and use of the compost hut:</p> <p>The 69 compost-hut constructed/completed 332 persons, 172 females of 51.81%.</p> <p>The 61 demos for integrated farming demonstrations and training 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</p> <p>Time frame: Q1 Y2 - Q4 Y4</p>	<p>Totally, there were 4,082 times in years 2020-2024 in the consultative meetings trainings, workshops and demos with local community people on different sub-projects 53,722 people, 23,338 women of 43.27%.</p> <p>1QRT 2024 with 59 times of consultative meeting, training workshop and demos 1,990 persons, 557 females of 28%.</p> <p>PMUs and PPIUs conducted the consultative meetings, trainings, workshops and demos for year 2023 with 233 times in different subprojects 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>Issue:</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>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>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>These workdays created for women from the MAFF 15 contracts, MOWRAM 04 contracts and MRD 11 contracts of total 30 contracts for 4 provinces as: Total 30 contracts 14,630 persons, for 4,122 females of 28.17% with 461,105 workdays, has been awarded to women 119,980 workdays created by project to women of 28.17%.</p> <p>MAFF 35 AC warehouse construction in 2023 (50T =10, 100T =20 and 200T = 5); MAFF has 3,414 persons, 924 females of 27.07% and has created 103,876 workdays awarded to women 23,117 workdays of 27.07%.</p> <p>MAFF 25 AC warehouse construction in 2022 has 1,401 persons, 374 females of 26.70% and has created 42,896 workdays awarded to women 11,443 workdays of 26.70%.</p> <p>MAFF 20 AC warehouse construction in 2021 (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>MAFF 03 Provincial Agriculture Development Centers construction in 2021 has 838 persons, 224 females of 26.73% and has created 51,493 workdays awarded to women 13,873 workdays of 26.73%</p>	<p>Issue:</p> <p>Action:</p>

	<p>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 22,325 workdays 32.03%.</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 in 2022 in batch I. 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>MRD with 100.124 km of 250km of frame road were upgraded to climate resilient standard to improve connectivity to cooperatives and market (DBST and Concrete road) – 8 sub-projects in 2023 in batch II. MRD has 1,804 persons, 475 females of 26.33% and has created 46,904 workdays awarded to women 12,350 workdays of 26.33%.</p> <p>But the two contracts in Tboung Khmum province with Royal Mekong Construction and Development Pte. Ltd have not collected the data yet.</p> <p>The contractors have provided training to their staffs and workers on safety, security, environment, violence prevention and Covid-19.</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 works</p> <p>Time frame: Q4 Y1 – Q4 Y6</p>	<ul style="list-style-type: none"> - MAFF PMU and PPIUs have conducted the on O&M of agriculture machinery for 86 ACs boards members and 27 Irrigation Systems for 2,151 courses/times in 2020-2024 with 55,155 persons, 23,863 females of 43.27%. - The 1QRT 2024 have been training for 59 times, 1,990 persons, 557 females of 27.90% for both the 86 ACs and 27 FWUCs. - 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, SRP, BMP, farm demonstrations, groups management, leadership, biofertilizer, 	<p>Issue:</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>biopesticide, bio slurry for 2,151 courses and/or times in the year of 2020- 1QRT 2024 with 55,155 persons, 23,863 females of 43.27%.</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>Involve at least 30% of women as active agents¹ in the promotion campaigns on the use of renewable energy solutions.</p> <p>Target 5: On Track</p>	<p>The active agents have been refreshed, trained and capacity build for 107 persons, 65 females of 60.75% in the four PPIUs. The total training, workshops and all the events for 60 times/courses, with 2,015 persons, 626 females of 31.0% from 3QRT 2023 and this quarter.</p>	<p>Issue:</p> <p>Action: NGS works closely with PMUs (MAFF, MRD and MOWRAM) produce the list of</p>

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

<p>Responsibilities: PMU MAFF (lead) &PPIUs; GDAHP Time frame: Q4 Y1 – Q4 Y4</p>	<p>80 AC Warehouses are completed build with Solar PV installed (completed construction 100%) 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>	<p>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; GDAHP Time frame: Q4 Y1- Q4 Y4</p>	<p>At this quarter, the total national and provincial trainings, workshops and specific events have been conducted with the FWUCs and ACs members for 190 times/course 7,349 persons, 1,980 females of 26.94%. 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> <p>Policy on Biodigester Development in Cambodia 2021-2030, issued on 26 October 2021 by MAFF.</p> <p>Draft Cambodian Domestic Biodigester Standard for Farmer’s Friend Biodigester.</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>Action 3: On Track</p> <p>Responsibilities: PMU MAFF (lead) & PPIUs; GDAHP Time frame: Q1 Y2- Q4 Y4</p>	<p>Dissemination workshop on national biodigester policy in Cambodia and on sites training 73 times, 941 persons, 384 females of 41%. 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>	<p>Issue: waiting for budget to publish.</p>
<p>Output 2: Climate smart agriculture and agribusiness promoted</p>		

2.1 Gender equality in human development enhanced. OP 2.2		
<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>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> <p>The accumulate progress of Farmers trained in Climate-smart Agriculture and agribusiness development skills are:</p> <p>The training of farmers on Climate Smart Agriculture (CSA) was trained 3,825 persons of which 2,093 are females (55%).</p> <p>The training of farmer on Sustainable Rice Production (SRP) was trained 5,902 of which 3,496 are females (59%).</p> <p>The training of farmer on ACs boards on ACs business development was trained 2,582 of which 715 are females (28%).</p> <p>The training of farmers on CamGAP was trained 823 farmers of which 336 are females (41%).</p> <p>Training of farmers on landscape restoration (farm mechanization) was trained 2,249 farmers of which 644 are females (29%).</p> <p>The workshop on contract farming and dissemination on procedure for seed registration and certification was trained 388 persons of which 86 are females (22%).</p> <p>The training of farmers of best management practice (BMP) was trained 1,000 farmers of which 512 are females (51%).</p> <p>The training of farmers on rice seed production techniques and follow up was trained 300 farmers of which 145 are females (46%).</p>	<p>Issue:</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>Responsibilities: PMU MAFF (lead) & PPIUs</p> <p>Time frame: Q1 Y2- Q4 Y2</p>	<p>- 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 27.21%;</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%. 	<p>Issue:</p> <p>Action: NGS and National M&E Specialist work closely with PMUs (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>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>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>The total 96 course/times, 18,492 persons, 8,962 females of 48.46%</p> <p>There are 13 activities similar to the below records of trainings, workshops, and specific event in this 1QRT 2024 for 475 persons, 132 females of 28%.</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 Seed (DCS).</p>	<p>No issue</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 2,179 times, 56,182 farmers, 24,151 females of 42.99% as the following activities:</p> <p>The capacity build activities in 1QRT 2024 59 courses/times, 1990 persons, 557 females of 27.90%.</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>Issue:</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>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 2020-2024 of 150 times, 5,910 farmers, 1,608 females of 27.21%.</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 13,242 members, 7,064 females of 53.35% and ACs members with Agriculture Machineries use 5,554 farmers, 1,723 females of 31.02%. The Females Household 2,563 females of 19.36% for total ACs members.</p> <p>The farmers have used and control tractor power tiller, transplanting machines, harvester and seedling as the below reports: Kampong Cham 13 ACs farmers use and control agriculture machineries 1,548 persons, 249 females of 49.38%. Takeo 33 ACs farmers use and control agriculture machineries 2,653 persons, 1,044 females of 73.57%. Kampot 20 ACs farmers use and control agriculture machineries 607 persons, 170 females of 28.01%. Tboung Khmum 20 ACs farmers use and control agriculture machineries 746 persons, 260 females of 35%.</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%: 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 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>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>

	<p>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.</p> <p>The questionnaires to access the 30 potential ACs was drafted and oriented with Agri-business group.</p>	
<p>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).</p> <p>Target 11: On Track</p> <p>Responsibilities: PMU MAFF (lead) and PPIUs Time frame: Q1 Y2- Q4 Y6</p>	<p>The total 2,151 courses/times in the capacity building activities from year 2020 up to the 1QRT 2024 with 55,155 participants, 23,867 females of 43.27% divided into the following:</p> <ol style="list-style-type: none"> 1. The Female Government staff participated in the capacity building activities for the National Level in the capacity building activities 10,811 officials, 3,106 females of 28.73%. 2. The Female Government staff participated in the capacity building activities for the Local Level 49,703 officials, 22,184 females of 44.63%. 	<p>Issue:</p> <p>Action: NGS and National M&E Specialist work closely with PMUs to revisit the PPMS database and revise the achievement figure.</p>
<p>Output 3: Enabling environment for climate friendly agribusiness enhanced</p>		
<p>3.1. Gender equality in decision-making and leadership enhanced. OP 2.3</p>		
<p>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).</p> <p>Action 5: On Track</p> <p>Responsibilities: PMU MAFF Time frame: Q1 Y2 – Q3 Y1</p>	<p>Sites visit, dialog and meeting for 38 times, 2,163 persons, 807 females of 37.31%.</p> <p>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.</p> <p>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.</p> <p>Liaising with relevant departments of MAFF and IAs to develop the Climate Smart Gender Responsive Agribusiness Guideline development for 2023.</p>	<p>Issue:</p> <p>Action: PMU follows the NOL with ADB for additional inputs for PPP expert.</p>

	<p>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%.</p> <p>Consultation and planning meeting with WFNs on Gender Response and Climate Resilience of key project Infrastructure 18 people, 6 women of 33%.</p>	
<p>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 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 MAFF GCWG joint in the national workshops, supported to the project sites to coach, to advice, to follow up, to collect information and data for 66 times in 86 ACs, 648 persons, 345 females of 53.24%.</p> <p>The PMU and the PPIUs conducted the field visits to the ACs and local communities to coach and to support in the project's sites in 1QRT 2024 for 8 times, 166 persons, 81 females of 48.80%.</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>No issue but further continuously collaborate in other project activities such as visit to subprojects, agribusiness forums, AC capacity building etc.</p>

	MAFF GCWG jointly in gender mainstreaming workshop in ACs/WFNs 267 participants, 153 women of 57%.	
3.2 Women's economic empowerment increased OP 2.1		
<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 Time frame: Q1 Y2 – Q4 Y6</p>	<p>The training and orientations to Micro Financial Institutions, ARDB and ABA 9 times, 173 participants, 61 females of 35.26%. 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>	<p>Issue:</p> <p>Action: NGS, National M&E Expert and Green Finance Expert shall consult with PMU 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"> - 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 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. - 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. 	<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>- The questionnaires to access the 30 potential ACs was drafted and oriented with Agri-business group.</p> <p>The total meetings, orientation and training 89 meetings, orientations and trainings to the PPIUs for 788 participants, 300 females of 38.07%.</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>Meeting and orientation on Contractors' Performance with the four provinces Gender Focal Points Team on 11-15 March 2024 4 meetings, 68 persons, 43 females of 63.24%.</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 33 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 1,114 participants, 367 women of 32.94%.</p>	<p>Issue:</p> <p>Action: NGS, National M&E Expert and Green Finance Expert shall organize series of green finance access to women farmers/cooperative members, women-led and/or owned enterprises.</p>
<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>The total on-site meeting for 63 meeting/times orientations on the agribusiness to ACs provided with information on climate risk-sharing instruments on crop insurance and green financing. Total Participant: 729, 326 females of 44.72%.</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:</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>
<p>4. Project management gender related activities.</p>		

<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 update on the Women Farmers Network from the four PPIUs 107 persons, 65 females of 60.75% as:</p> <ol style="list-style-type: none"> 1. Kampong Cham province has 32 WFNs with 100%. 2. Kampot province has 40 WFNs with 16 females of 40%. 3. Takeo province has 03 WFNs with 100%. 4. Tboung Khmum province has 32 WFNs, 14 females of 43.75%. <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 gender officers at PPIU MAFF levels</p> <p>There were 4 officials (1 woman) assigned to be safeguard and gender officers at PPIU MOWRAM levels</p> <p>There were 4 officials (0 woman) assigned to be safeguard and gender officers at PPIU MRD levels.</p>	<p>Issue:</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>4.2. Prepare annual work plans to implement the activities of the GAP.</p>	<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:</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>
<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</p>	<p>The GAP matrix table of implementation has been progress and up to date for almost completed. There are still need more data and information to be collected.</p>	<p>Issue:</p> <p>Action: NGS and National M&E Expert consult with PMU review and revise the achievement of</p>

<p>points and PMU staff in gender analysis and mainstreaming.</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>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>the GAP's indicators and actions based on the collected data.</p>
<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 central component of project capacity building activities.</p>	<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 the national level 10,811 persons, 3,106 females of 28.73% and for the local level 49,709 persons, 22,184 females of 44.63%.</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 persons, 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 53 participants, 30 females of 56%).</p>	<p>Issue:</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 2,290 times, 60,035 farmers, 25,191 females of 41.96% as the following activities:</p> <p>The capacity build activities such as training, demonstration and study tours supported by the project in 1QRT 2024 of 59 times, 1,990 farmers, 557 females of 27.90%.</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 activities (at least semi-annually to ADB).</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 targets and the 7 actions in the new GAP means.</p> <p>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.</p> <p>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>Issue: Gender and Development has not been incorporated in the QPR.</p> <p>Action: NGS and National M&E Expert consult with PMU to incorporate GAP progress report in the QPR.</p>

Comments/ Remarks:

Accomplished by: _____

Date Accomplished: _____

Appendix 8: 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**



KPMG Cambodia Ltd
GIA Tower, Sopheak Mongkul Street, Phum 14
Sangkat Tonle Bassac, Khan Chamkar Mon
Phnom Penh, Cambodia
+855 (17) 666 537 / +855 (81) 533 999 | kpmg.com.kh

Dr. Sam Chhom Sangha
Project Director
Deputy Secretary General
Ministry of Agriculture, Forestry and Fisheries
#200, Preah Norodom Blvd.
Sangkat Tonle Bassac, Khan Chamkarmon
Phnom Penh, Kingdom of Cambodia

Our ref: GT/BSS/CKC/neath
Contact: Santiago, Sanchez Bernadette
Tel: +855 (17) 666 537 Ext: 7636
+855 (81) 533 999
H/P: +855 (78) 407 410
Email: sanchezbernadettesan@kpmg.com.kh

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





Contents

	Pages
1. Financial management including record keeping systems and controls	
1.1 Set more realistic budget or document explanation on significant variances	1 – 2
1.2 Comply with the Cash Basis of Accounting of Cambodian Public Sector Accounting Standards (“CPSAS”)	3
1.3 Opening fund balance not taken up and not agreed to the audited figures	4
2. Procurement of goods and services – No finding	
3. Assets/Inventory management – No finding	
4. Cash management – No finding	
5. Compliance with the key covenant of the Grant/Loan agreement and/or local regulations – No finding	
Status of the prior year’s observations and recommendations	5 – 6



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 resulting 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 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 reaming 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>
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%																																																

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 9: 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.	1-66 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, CS2 will work with	This activity is already integrated in the Annual Work plan and Budget 2024.

NO	Actions	Due by	Responsible	Progress of implementation	Remarks
				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.	Done Mobilization on 4 Dec 2023
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 10: 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/warehouse (100T)	Trapeang Tameas, Damnak Sokrom, Dang Tong
2		Prey kraing Meanrith	0025	Lot1: CW3a/CFAVC/MAFF/2021/04	Construction of AC storage/warehouse (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/warehouse (100T)	Kam Nab village, Srae Chaeng commune, Chum Kiri district
4		Samaky Amatak	0025	Lot1: CW3a/CFAVC/MAFF/2021/04	Construction of AC storage/warehouse (50T)	Snay Anchet, village, Snay Anchet commune, Chum Kiri district
5		Sen Han Chamroeun phal	0025	Lot1: CW3a/CFAVC/MAFF/2021/04	Construction of AC storage/warehouse (100T)	Trapeang Run, Samrong Leur commune, Banteay Meas district
6	Takeo	Trapaing Kranhoung	0026	Lot2: CW3a/CFAVC/MAFF/2021/05	Construction of AC storage/warehouse (100T)	Trapeang Kranhoung village, Trapaing Kranhoung commune, Tramkak district
7		Samaky Trapaing Kralanh	0026	Lot2: CW3a/CFAVC/MAFF/2021/05	Construction of AC storage/warehouse (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/warehouse (50T)	Chi Mreak village, Kampeng commune, Kirivong district
9		Sdok Sdom	0026	Lot2: CW3a/CFAVC/MAFF/2021/05	Construction of AC storage/warehouse (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/warehouse (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/warehouse (100T)	Phum Ang Keng, Samreuy and Trapeang Santhey and Koki village, Kak commune, Ponhea Kraek district
12		Ponhea Kraek Rongroeung	0028	Lot3: CW3a/CFAVC/MAFF/2021/06	Construction of AC storage/warehouse (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/warehouse (200T)	Sre Kschach village, Dambae commune, Dambae district
14		DamBae Rungroeung	0028	Lot3: CW3a/CFAVC/MAFF/2021/06	Construction of AC storage/warehouse (100T)	Khcheay village, Dambae commune, Dam Bae district
15		Kdey SongKhuem Kaksekor	0028	Lot3: CW3a/CFAVC/MAFF/2021/06	Construction of AC storage/warehouse (200T)	Bei Maet village, Toul Snoul commune, Krouchhmar district
16	Kampong Cham	Steung Trang Senchey	0027	Lot4: CW3a/CFAVC/MAFF/2021/07	Construction of AC storage/warehouse (200T)	Soupeas commune, Steung Trang district

17		Sambo Meanchey	0027	Lot4: CW3a/CFAVC/MAFF/2021/07	Construction of AC storage/ware house (100T)	Sambo, Poprok, Srap and Sopheas village, Sopheas 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 krong villages, Peam Chi Krong 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		Raksmey 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 Chamroeun 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 ROUNG 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 Akpivat Rik Chamroeun	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)	Trapeang Srange, O'Phot and Ang Thnoat Khang Lech village, Angtasom commune, Trankak district, Takeo
30		Samaki Trapeang Chak	0045	Lot 2: CW3-b2/CFAVC/MAFF/2022-02	Construction of AC storage/ware house (100T)	Trapeangchak village, Trankak commune, Trankak district

31		Baksey Rikreay	0045	Lot 2: CW3-b2/CFAVC/MAFF/2022-02	Construction of AC storage/ware house (100T)	Ang Baksey village, Cheang 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)	Samroang 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)	Sedasenchev 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 Chamroeu 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 Chamroeu 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 torng village, Ban Kam commune, Prey Kabas district
64		Sambuor Chamroeu phal 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, Chumreaspen 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 Tbound commune, Tram Kak district
70		Samphlee Angkor Rainsey 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)	Samar 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 Rungroeu AC		Lot 4: CW-3b3/CFAVC/MAFF/2022-04	Construction of AC storage/ware house (100T)	Kampong Russey village, Chiro commune, Tbound 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
77	Kampong Cham	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 commune, 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

No.	Package Number	Subproject Name	Comm and area, ha	No of Subp r/ pack age	Commune	District	Provi nce
Batch Number I							
1	KP-TR-CW2	Trapeang Run Reservoir Scheme	100	1	Tani	Ankor Chey	Kamp ot
2	CFAVC-MOWRAM-TBM-CW13.1	Kbal Teuk Reservoir Scheme	250	3	Phreah Theat	O Rang Ov	Tbou ng Khmu m
3		Tuol Pring Reservoir Scheme	100		Mong Riev	Tboung Khmum	
4		Trapeang Tros Reservoir Scheme	350		Tmar Pech		
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	Take o
8		Kraing Empil Reservoir Scheme	200				
9	CFAVC MOWRAM-KPT-CW12-1	Takoch Reservoir Scheme	400	1	Srae Knong	Chum Kiri	Kamp ot
Batch Number II							
10	CFAVC-MOWRAM-KPT-CW12.2B	Kandoal Feeding Canal	750	3	Kandoal/Thmei	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	Tboung Damrei Reservoir Scheme	600	2	Chhuk	Krouch Chmar	Tbou ng 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	Take o
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	Tboung Khmum	Tbou ng

21		Choam Taheung Reservoir Scheme	987		Teuk Chrov/Chong Cheach	Dambae	Khmu m
22	CFAVC MOWRAM-KPC-CW14.3	Teuk Char East Reservoir Scheme	980	1	Beung Nay/Krouch/Kor/Prey Chhor/Sour Saen	Prey Chhor	Kamp ong Cham
23	CFAVC-MOWRAM-TKO-CW15.3	Pralay 95 Feeding Canal	850	2	Krapom Chhuk	Koh Andet	Take o
24		Pralay 42 Feeding & pumping Station	650		Rominh/Prey Khla	Koh Andet	
25	CFAVC-MOWRAM-TKO-CW15.4	Ta Oum Reservoir Scheme	160	3	Kus	Tram Kak	Take o
26		Sdok Sab Reservoir Scheme	300		Samraong	Tram Kak	
27		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 11: 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 or 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 Chamroeunhal 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 Raingsey 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/2022-03 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/2022-04 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/	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	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 Ssimisia	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									
	MOWRAM-CFAVC-TEO-CW15.4		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 meas 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	6 Stars Construction Co., Ltd	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	6 Stars Construction Co., Ltd	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

Appendix 12: IEEs/EMPs Approvals Status

Report Type	PMU Submitted	Submitted to MOE	ADB provided NOL
1. Rural Road Improvement Subproject Under MRD			
EMP updated for Variation Order No.2 for additional works of the Contract No. Package 1-CW17b-CFAVC-MRD-TK3, improvement of 10 km of Rural Road (OBST/Concrete) in Takeo Province.	n/a	n/a	28 February 2024
IEE for 27 Rural Road Subprojects in Kampot, Takeo, Kampong Cham, and Tboung Khmum Province: CW17a-CFAVC-MRD-KP-1A-Batch 3 CW17b-CFAVC-MRD-TK-1A-Batch 3 CW17b-CFAVC-MRD-TK-2A-Batch 3 CW17c-CFAVC-MRD-TBK-1A-Batch 3 CW17d-CFAVC-MRD-KC-1A-Batch 3	3 November 2023	n/a	November 2023
Consolidated IEE rural road improvement subprojects Bath II (CW17a-CFAVC-MRD-KP-01A & 02A, CW17b-CFAVC-MRD-TK-01A & 02A, CW17c-CFAVC-MRD-TBK-01A & 02A, CW17d-CFAVC - MRD-KC-01A & 02A)	n/a	n/a	2 May 2022
Rural Road Subprojects in Kampot province_ Package 4 (CW17a-CFAVC-MRD-KP01-2020 and CW17a-CFAVC-KP02-2020)	n/a	n/a	July 2021
IEE for the rehabilitation of the rural road subprojects in Lumpong Kasikam Samaky and Sdok Sdom, Takeo Province	16 Nov 2020	n/a	November 2020
IEE for Rural Road Improvement Subprojects in Kampong Cham province_ package 3 for rural road subprojects is located in six villages (Ou Beng, Soupheas, Angkaol, Srab, Paprak and Sambour village), two communes (Soupheas and Me Sar Chrey commune), Steung Trang District, Kampong Cham Province.	3 Feb 2021	n/a	11 May 2021
2. Irrigation Schemes under MOWRAM			
IEE/EMP for the Construction or Rehabilitation of Rain Water Harvesting Ponds (RWHPs) (CFAVC-RWHP-KAM-CW01-A.1)	n/a	n/a	8-Jul-21
IEE/EMP of Trapeang Run irrigation subproject in Tani Commune, Angkor Chey District, Kampot province (CW2)	n/a	n/a	21-Jul-20
IEE/EMP on Rehabilitation of Takoch Irrigation Subproject	n/a	n/a	April 2022

(CFAVC-MOWRAM-KPT-CW12.1)			
IEE/EMP for the Rehabilitation of Trapeang Boeung Irrigation in Kampot Province (CFAVC-MOWRAM-KPT-CW12.2A)	n/a	n/a	3-Oct-23
IEE/EMP for Bravoek Pong in Pong Sat Commune and Kandoal Feeding Canal in Kandoal commune, these are situated in Tuek Chhou District, Kampot Province. (CFAVC-MOWRAM-KPT-CW12.2B)	n/a	n/a	3-Oct-23
IEE/EMP for 1. Kbal Teuk (250 ha), 2. Tuol Pring (100ha), and 3. Trapeang Tros (350ha)	n/a	n/a	11-Feb-21
IEE/EMP for 1. Tboung Damrei (600ha), 2. Kampong Raing (350ha) (CW13.2)	n/a	n/a	3-Oct-23
IEE/EMP for 1. Pram Kumpheak (950ha), 2. O Kamprok (350ha)	n/a	n/a	4-Jan-22
IEE/EMP for Tuek Char West Reservoir Scheme	n/a	n/a	3-Oct-23
IEE/EMP of Prey Kdouch Irrigation Subproject at Trapeang Kranhoung Commune, Tramkak District & Kraing Empil Irrigations Subproject at Trapeang Kranhoung Commune, Takeo District, Takeo Province (CW15.1)	n/a	n/a	25-Jun-21
IEE/EMP for irrigation schemes of : 1. Kwaeng Tayee (970), 2. Chrouk1+Phlov Touk (975ha), 3. Prey Romdeng Canal (650ha) (CW15.2)	n/a	n/a	3-Oct-23
IEE/EMP of 1. Pralay 95, (850ha), Pralay 42 (pumping Station) (650ha), (CW15.4)	n/a	n/a	7-Nov-23
3. Civil Works under Ministry of Agriculture, Forestry and Fisheries (MAFF)			
IEE Report for subprojects under MAFF	n/a	n/a	8-Jul-2021

Appendix 13: CEMP Approvals Status_ As of 31 March 2024

CW Packages	Roles/Works to be completed under the contracts awarded	Status and Issues	Further Updated Needed?
1. Rural Road Improvement Subprojects Under MRD			
CW17a-CFAVC-MRD-KP-1A-Batch2	Rural road improvement-KP18&KP19 at Ratanak Pulrath Samaki AC (6.395km) & Prey Krang Meanrith AC. (6.568 km)_ by Henan Water Construction Group Co., Ltd	CEMP under the progress	n/a
CW17a-CFAVC-MRD-KP-2A-Batch2	Rural road improvement of KP9&KP10: at Samaki Amatak AC (3.817km) & Sen Han Cham Reoun Phal AC. (5.281km)_ by 6 Stars Construction Co., Ltd	CEMP under the progress	n/a
CW17b-CFAVC-MRD-TK-1A_lot 1 of Batch 2_	Improve 2 roads TK11&TK12 Lot1_total length of 13.976km located in Ou Saray Commune (8.203km) and Cheang Tong & Popel commune (5.773km) , Tramkak district_by 6 Stars.	CEMP under the progress	n/a
CW17b-CFAVC-MRD-TK-2A-Batch 2-Lot 2	Rural roads improvement in total length of 12.761 km: 1) 3.385 km in Tramkak commune; 2) 5.406 km in Angtasom commune, Tramkak district and 3) 3.970 km in Kampaeng commune, Kirivong	CEMP under the progress	n/a
CW17b-CFAVC-MRD-KC-2A-Lot2_ Batch 2.	Rural road improvement of lot2, total length of 12.640 km, at KC16_Sammakybaray Angdong Ang & KC17_Ponluk Thmey, Kampong Cham	CEMP under the progress	n/a
CW17d-CFAVC-MRD-KC-1A-Batch2	Road improvement-total length of 9.425km for KC27_Akpiwat Moulthanyoeung AC and KC28_Akpiwat Kaksekor AC.	CEMP under the progress	n/a
CW17b-CFAVC-MRD-TK3-2020	Improved 1 road =10km in Lot1: Khnar Tung village, Kumareachea-Lumpong commune, (Lumpong Kasikam Samaky AC) in Bati district, Takeo province	n/a	EMP has been updated
CW17b-CFAVC-MRD-TK4-2020	Improve 1 Road of Lot 2 4.67km in Takeo Province consist of TK4-1 Concrete Road length 2,658m, TK4-2 OBST Road length 1,882m and TK4-3 Concrete Road length 130m. Takeo province	n/a	n/a
CW17a-CFAVC-MRD-KP1/ KP2-2020	Rural road improvement subproject in total length of 20.052 km (Lot 1_ Improve 2 roads=11.948.05km & Lot 2_8.104km) in Rovieng-Chres, Chres -Touch in Chum Kiri district, Kampot province_by RMCD.	Approved on 12 September 2022	No
CW17d-CFAVC-MRD-KC7/KC8-2020	Improve rural roads of batch 1 with total length of 14.603km (Lot1=1 road=9.882km& Lot2= 3roads_4.721km) and batch 2 of 9.425km, from Sambour to Sopheas commune, Kampong Cham province.	Approved on 4 July 2022	No
CW17c-CFAVC-MRD-TBK5/TBK6-2020	Rural Road Improvement for Total 21.774 km (Lot1=1 road=9.774km & Lot2=3 roads=12km))_DBST/Concrete	Approved by PMU 30 August 2022	No
2. Irrigation Scheme Subprojects under MOWRAM			

CFAVC-MOWRAM-KPT-CW12.1A	Construction or Rehabilitation of 80 Rain Water Harvesting Ponds in Kampot Province	CEMP under the progress	n/a
CFAVC-MOWRAM-KPT-CW12.1	Rehabilitation of Takoch Irrigation Subproject, Kampot province	CEMP under the progress	n/a
CFAVC-MOWRAM-KPT-CW12.2A	The Rehabilitation of Trapeang Boeung Irrigation schemes in Kampot Province	CEMP under the progress	n/a
MOWRAM-KPT-CW12.2B	Bravoek Pong in Pong Sat Commune and Kandoal Feeding Canal in Kandoal commune, these are situated in Tuek Chhou District, Kampot Province.	CEMP under the progress	n/a
CW13.1	1. Kbal Teuk (250 ha), 2. Tuol Pring (100ha), and 3. Trapeang Tros (350ha)	Construction has completed 100%.	No
CW13.2	1. Tboung Damrei (600ha), 2. Kampong Raing (350ha)	n/a	n/a
CW13.3	1. Choam Taheung (987ha), 2. Trapeang Ampil (200ha)	n/a	n/a
CW14.1	Pram Kumpheak (950ha) and Kamprok (350ha)	Construction has completed 100%.	n/a
CW14.3	Teuk Cha East (980ha)	n/a	n/a
CFAVC-MOWRAM-TEO-CW15.1	1. Prey Kdouch Irrigation in Trapeang Kranhoung Commune, Tramkak and 2. Kraing Empil Irrigation in Trapeang Kranhoung Commune, Takeo.	- Construction has completed 100%. - Approved on January 2022	n/a
CW15.2	1. Kwaeng Tayee (970ha), 2. Chrouk1+Phlov Touk (975ha), 3. Prey Romdeng Canal (650ha)	n/a	n/a
CW15.3	1. Ta Oum Reservoir (160ha), 2. Sdok Sab (300ha), Pou Tasuy (635ha)	n/a	n/a
CW15.4	Pralay 95, (850ha), Pralay 42 & (pumping Station) (650ha)	n/a	n/a
3. Agricultural Cooperative Storage/Warehouse Subprojects under MAFF			
CW3b3/ CFAVC/MAFF/2023/03	The construction of 25 AC storages/warehouses (9 units of rice seed storage 50 ton capacity, 12 units of grain storage 100 ton capacity and 4 units of 200 ton capacity) in Takeo, Kampot, Kampong Cham and Tboung Khmum province.	- Construction has completed 100%. - Approved on 26 May 2023	No
CW3b2/ CFAVC/MAFF/2023/02	The construction of 35 units of the AC storages/warehouses (10 units of rice seed storage 50 ton capacity, 20 units of grain storage 100 ton capacity and 5 units of 200 ton capacity) in Takeo, Kampot, Kampong Cham and Tboung Khmum province.	- Construction has completed 100%. - Approved on 6 December 2022	No
CW3b1/CFAVC/MAFF/2022/01	The construction of 20 AC storages/warehouses (5 units of rice seed storage 50 ton capacity, 12 units of grain storage 100 ton capacity and 3 units of 200 ton capacity) in Takeo, Kampot, Kampong Cham and Tboung Khmum province.	- Construction has completed 100%. - Approved on 6 December 2022	No

Appendix 14: Summary data progress for laser land leveling by 24-03-2024

Province		Location	Name of FWUC/AC	Laser Land Levelling progress(24-03-2024)			
				Total surface (ha)	Village	Commune	District
Ta Keo	1	AC	Sdok Sdam	86	Trapeangsdok	Taing Yab	Preykabas
	2	AC	Udom Soriya	49	Taso	Odamsoriya	Tramkak
	3	AC	Samphly Angkor Raingsey	106	Kour	Preykla	Koh Andet
	4	FWUC/AC	Pou Tasuy Reservoir Scheme/ Kampengsoksensambno(AC)	70	Chimareak	Kampeng	Kirivong
			Total	311			
Kam Pot	5	AC	Kasikorsamaki rongroeurng (At Tomnob77)	70	Kamnab	Srecheng	Chhomkiri
	6	AC	Kasikor samaki rongroeurng (At Tomnob Stoengphe)	71	Pongtoeuk	Srecheng	Chhomkiri
	7	FWUC	Takoch Reservoir Scheme	32	Preykhmao	Sre Khnong	Chhomkiri
			Total	173			
Kampong Cham	8	FWUC/AC	Potatres/Aphiwatmoulthan Yoeurng	123	Kradas Kor	Taingkrasaing	Batheay
	9	AC	Aphiwatsrok Yoeurng	87	Trapeang Tnaot	Sour Saen	Prey Chhor
	10	FWUC	Teukchar East	97	Boeung Nay	Boeung Nay	Prey Chhor
	11	AC	Khvitthomrich Chamroeurng	100	Khvitthom	Khvitthom	Prey Chhor
			Total	407			
Tboung Khmum	12	FWUC	Tboungdamrei	44	Chravakdek	Chhouk	Krouch Chhmar
	13	AC	Dambe Rongroung	57	Trapeang Reusey	Dambae	Dambae
	14	AC	Romduoldountey	60	Angkor Leu	Dountei	Ponhea Krek
			Total	161			
Total (4 provinces)				1052			

Appendix 15: List of the farmer R & D and pilot of biodigester and compost hut in 2022-2024

ល.រ	ឈ្មោះ	ភេទ	ភូមិ	ឃុំ	ស្រុក	ទំហំឡ		ទំហំរោង កំប៉ុស្តិ៍(៨ ម ^៣)	លេខទូរស័ព្ទ
						៤ម ^៣	៦ម ^៣		
1	វង្ស សារ៉ែន	ប	ថ្នល់បែកលិច	ស្វាយទាប	ចំការលើ		√	8m ³	N/A
2	ជី ម៉ុ	ស	គោហើ	ព្រែកកុយ	កងមាស	√		8m ³	097 330 88 55
3	សំអុល ចាន្ទី	ប	គោហើ	ព្រែកកុយ	កងមាស		√	8m ³	090 455 644
4	សិន រុទ្ធី	ប	គោហើ	ព្រែកកុយ	កងមាស	√		8m ³	097 318 24 82
5	ពៅ សុខណា	ប	គោហើ	ព្រែកកុយ	កងមាស	√		8m ³	097 382 01 72
6	នី ណាត	ប	គោហើ	ព្រែកកុយ	កងមាស		√	8m ³	088 686 05 66
7	រូស ពិសី	ប	គោហើ	ព្រែកកុយ	កងមាស	√		8m ³	067 772 753
8	ណុន ឆៀន	ប	គោហើ	ព្រែកកុយ	កងមាស	√		8m ³	090 416 488
9	ប៉ាក អាន	ប	គោហើ	ព្រែកកុយ	កងមាស		√	8m ³	097 988 95 28
10	ប៉ោ ស្រៀន	ប	គោហើ	ព្រែកកុយ	កងមាស		√	8m ³	089 342 356
11	ឆៀន ភាព	ប	គោហើ	ព្រែកកុយ	កងមាស	√		8m ³	012 808 679
12	ឈុន សំអាត	ប	គោហើ	ព្រែកកុយ	កងមាស	√		8m ³	097 869 879
13	ស៊ិន កុសល	ប	កោះរការក្នុង	កោះរកា	កំពង់សៀម	√		8m ³	031 615 33 35
14	សុខ គា	ប	កោះរការក្នុង	កោះរកា	កំពង់សៀម	√		8m ³	099 665 054
15	ឡុង សុខ	ប	កោះរការក្នុង	កោះរកា	កំពង់សៀម	√		8m ³	085 532 252
16	គឹម ពៅ	ស	អូបេង	បេសព្រៃ	ស្ទឹងត្រង់	√		8m ³	012 987 122
17	ឃុំ ពេជ្រ	ស	ដូង	សំរោង	ព្រៃឈរ	√		8m ³	092 986 672
18	នៅ លាងគឹម	ប្រុស	កោះប្រាក់	កោះទន្ទឹម	កំពង់សៀម	√		8m ³	097 67 24 226
19	អ៊ិន សុខគុន	ប្រុស	កោះប្រាក់	កោះទន្ទឹម	កំពង់សៀម	√		8m ³	067 47 89 85
20	ស៊ឹម ឆៀន	ប្រុស	កោះរកា	កោះរកា	កំពង់សៀម	√		8m ³	088 25 96 491
21	ប៉ុល សេត្រា	ប្រុស	អូរកាប់មាន់	អូរម្លូ	ស្ទឹងត្រង់		√	8m ³	012 37 84 83
22	អី ស៊ិនហៃ	ស្រី	កោះរកា	កោះរកា	កំពង់សៀម	√		8m ³	085 50 57 81
23	គឹង ខាន់	ស្រី	កោះរកា	កោះរកា	កំពង់សៀម	√		8m ³	031 33 23 440

24	គ្រុយ សុខកៀន	ស្រី	ថ្មី២	រកគយ	កងមាស		√	8m ³	031 22 13 997
25	ជ័យ ស៊ុននី	ស្រី	កោះរកា	កោះរកា	កំពង់សៀម	√		8m ³	096 62 29 002
26	ជ័យ ចិន្តា	ស្រី	កោះរកា	កោះរកា	កំពង់សៀម	√		8m ³	097 64 24 144
27	មិត្ត ណែ	ប្រុស	ព្រែកលីវ២	រកាអារ	កងមាស	√		8m ³	097 51 38 617
28	ម៉ម សារឿន	ស្រី	ព្រែកលីវ២	រកាអារ	កងមាស	√		8m ³	017 411 745
29	ថេង ចិត្រា	ស្រី	ព្រែកលីវ២	រកាអារ	កងមាស	√		8m ³	092 53 94 39
30	លីវ សារ៉ាត	ប្រុស	ព្រែកលីវ២	រកាអារ	កងមាស	√		8m ³	071 75 22 512
31	លុំ សាងហាយ	ប្រុស	ព្រែកលីវ២	រកាអារ	កងមាស	√		8m ³	071 70 71 903
32	ថៃ ភូ	ប្រុស	ដំណាក់ស្អិត	រកាគយ	កងមាស		√	8m ³	071 82 65 566
33	សៀក ប៊ុនថេត	ប្រុស	ដំណាក់ជ្រៃ	ពាមជីកង	កងមាស	√		8m ³	097 61 56 758
34	ជន ណារ៉ុ	ស្រី	ដំណាក់ស្អិត	រកាគយ	កងមាស	√		8m ³	077 55 60 04
35	នួន ស៊ីណាត	ស្រី	ដំណាក់ស្អិត	រកាគយ	កងមាស	√		8m ³	097 89 68 517
18	ខ្មៅ អុន	ប្រុស	គោកស្រុក	គោកស្រុក	តំបែរ	√		8m ³	0979983887
19	ភឿង វណ្ណិន	ស្រី	គោកស្រុក	គោកស្រុក	តំបែរ	√		8m ³	0972303419
20	ជា ហោន	ប្រុស	គោកស្រុក	គោកស្រុក	តំបែរ	√		8m ³	0889558575
21	ម៉ាប់ ចន្ទា	ស្រី	គោកស្រុក	គោកស្រុក	តំបែរ	√		8m ³	0978016685
22	ស្រស់ ស្រង	ប្រុស	គោកស្រុក	គោកស្រុក	តំបែរ	√		8m ³	0712836147
23	អិរ ពួក	ប្រុស	គោកស្រុក	គោកស្រុក	តំបែរ		√	8m ³	0973688378
24	ជឿន ជាត	ប្រុស	គោកស្រុក	គោកស្រុក	តំបែរ	√		8m ³	0975229688
25	សែម យ៉ុង	ស្រី	ស្មោញ	ល្វើង	ត្បូងឃ្មុំ		√	8m ³	0888810784
26	សិន ពៅ	ស្រី	ស្មោញ	ល្វើង	ត្បូងឃ្មុំ	√		8m ³	088 682 76 54
27	ទៃ រឿង	ស្រី	ស្មោញ	ល្វើង	ត្បូងឃ្មុំ	√		8m ³	060 636 159
28	សុត សាញ់	ប្រុស	ស្មោញ	ល្វើង	ត្បូងឃ្មុំ	√		8m ³	071 677 23 48
29	ប៊ុន ស្រង	ស្រី	ត្រពាំងទន្សោង	កណ្តាលជ្រំ	ពញាក្រែក		√	8m ³	071 264 08 47
30	ស៊ុន ឆែលាង	ស្រី	ត្រពាំងទន្សោង	កណ្តាលជ្រំ	ពញាក្រែក	√		8m ³	088 766 14 52
31	ឈឹម យឿន	ស្រី	ត្រពាំងទន្សោង	កណ្តាលជ្រំ	ពញាក្រែក	√		8m ³	097 940 94 65
32	ថៃ ផល្លី	ប្រុស	ត្រពាំងទន្សោង	កណ្តាលជ្រំ	ពញាក្រែក	√		8m ³	088 382 88 12

33	ស៊ុយ ស៊ុនអេង	ស្រី	ត្រពាំងទន្សោង	កណ្តាលជ្រំ	ពញាក្រែក		√	8m ³	071 935 50 15
34	ម៉ី សំអន	ប	ផ្លូវលោក	ត្រពាំងក្រញូង	ត្រាំកក់		√	8m ³	0963963524
35	គង់ មឿន	ប	តាសូ	ឧត្តមសុរិយា	ត្រាំកក់		√	8m ³	017356798
36	សឹម សៅ	ប	ត្រពាំងថ្លាន់	ឧត្តមសុរិយា	ត្រាំកក់		√	8m ³	0963279070
37	យ៉ន ម៉ៅ	ស្រី	ស្មោញ	ល្វើង	ត្បូងឃ្មុំ	√		8m ³	088 42 31 061
38	ញ៉ ញីល	ប្រុស	ស្មោញ	ល្វើង	ត្បូងឃ្មុំ	√		8m ³	088 46 83 707
39	យ៉ន មឿន	ប្រុស	ស្មោញ	ល្វើង	ត្បូងឃ្មុំ	√		8m ³	097 26 65 562
40	ពិន ពេន	ប្រុស	ថ្លុកពង្រ	ល្វើង	ត្បូងឃ្មុំ	√		8m ³	097 42 22 567
41	តុង សាមាន	ស្រី	ថ្លុកពង្រ	ល្វើង	ត្បូងឃ្មុំ	√		8m ³	097 51 15 417
42	អែម ចន្ទា	ស្រី	ថ្លុកពង្រ	ល្វើង	ត្បូងឃ្មុំ	√		8m ³	097 77 91 662
43	ស៊ុយ ម៉ាលីន	ស្រី	ថ្លុកពង្រ	ល្វើង	ត្បូងឃ្មុំ	√		8m ³	088 41 18 333
44	សន រាន	ប្រុស	ថ្លុកពង្រ	ល្វើង	ត្បូងឃ្មុំ	√		8m ³	097 25 75 466
45	អ៊ិន សុខយា	ប្រុស	គោកស្រុក	គោកស្រុក	តំបែរ		√	8m ³	096 57 27 431
46	ពេង ផាត	ស្រី	គោកស្រុក	គោកស្រុក	តំបែរ	√		8m ³	097 25 09 214
47	មាត លីម៉ា	ប្រុស	គោកស្រុក	គោកស្រុក	តំបែរ	√		8m ³	031 46 55 550
48	ស្រេង ធាវ៉ា	ប្រុស	គោកស្រុក	គោកស្រុក	តំបែរ	√		8m ³	097 47 57 217
49	កុប ជី	ប្រុស	គោកស្រុក	គោកស្រុក	តំបែរ	√		8m ³	088 84 85 612
50	យួន យាក	ប្រុស	គោកស្រុក	គោកស្រុក	តំបែរ	√		8m ³	088 63 92 547
51	ស្រិន សារ៉ុ	ប្រុស	គោកស្រុក	គោកស្រុក	តំបែរ	√		8m ³	097 41 76 396
52	វ៉ាន ខន	ស្រី	គោកស្រុក	គោកស្រុក	តំបែរ	√		8m ³	097 66 48 393

53	យាម សារាត	ប្រុស	គោកស្រុក	គោកស្រុក	តំបែរ	√		8m ³	097 83 22 459
54	ចាន់ នី	ស្រី	គោកស្រុក	គោកស្រុក	តំបែរ	√		8m ³	088 30 67 274
55	សៀង វណ្ណា	ប	កាសូ	ឧត្តមសុរិយា	ត្រាំកក់		√	8m ³	012218661
56	ចឹម វន្នី	ស	កាសូ	ឧត្តមសុរិយា	ត្រាំកក់	√		8m ³	N/A
57	អ៊ុំ ស៊ឹម	ប	កាសូ	ឧត្តមសុរិយា	ត្រាំកក់	√		8m ³	0967824977
58	គៀត យៀង	ប	រំពាក់ពេន	ឧត្តមសុរិយា	ត្រាំកក់	√		8m ³	089900964
59	សឹម ទឹម	ស	ត្រពាំងថ្នាន់	ឧត្តមសុរិយា	ត្រាំកក់	√		8m ³	N/A
60	សួន ផល្លា	ស	កាសូ	ឧត្តមសុរិយា	ត្រាំកក់	√		8m ³	0883017422
61	ញឹម ធី	ប	ត្រពាំងថ្នាន់	ឧត្តមសុរិយា	ត្រាំកក់	√		8m ³	0877490392
62	ទឹម រុន	ប	ត្រពាំងត្រគៀត	ឧត្តមសុរិយា	ត្រាំកក់		√	8m ³	0967073915
63	សៀន ចន្ទ	ស	ត្រពាំងថ្នាន់	ឧត្តមសុរិយា	ត្រាំកក់	√		8m ³	0962905203
64	សុត្រ សារិន	ប	ត្រពាំងថ្នាន់	ឧត្តមសុរិយា	ត្រាំកក់	√		8m ³	010760858
65	សុត្រ ផុន	ប	ត្រពាំងថ្នាន់	ឧត្តមសុរិយា	ត្រាំកក់	√		8m ³	0969205132
66	ប៉ុង ខុំ	ប	ត្រពាំងថ្នាន់	ឧត្តមសុរិយា	ត្រាំកក់	√		8m ³	0965326421
67	សៅ សៀន	ប	ត្រពាំងថ្នាន់	ឧត្តមសុរិយា	ត្រាំកក់	√		8m ³	N/A
68	ស្រី ផន	ប	ត្រពាំងត្រគៀត	ឧត្តមសុរិយា	ត្រាំកក់	√		8m ³	089239713
69	ជា ចន	ប	កាសូ	ឧត្តមសុរិយា	ត្រាំកក់	√		8m ³	N/A
70	សុត ភាព	ស្រី	ត្រពាំងថ្នាន់	ឧត្តមសុរិយា	ត្រាំកក់	√		8m ³	087 36 57 92
71	សយ សំអឿន	ប្រុស	ត្រពាំងថ្នាន់	ឧត្តមសុរិយា	ត្រាំកក់		√	8m ³	071 93 28 094
72	វ៉ា សារិន	ប្រុស	កាសូ	ឧត្តមសុរិយា	ត្រាំកក់	√		8m ³	096 44 42 630

73	ត្រែន ឡា	ប្រុស	ត្រពាំងថ្លាន់	ឧត្តមស្វរិយា	ត្រាំកក់	√		8m ³	097 30 96 665
74	ឱន យ៉ាន	ស្រី	ត្រពាំងថ្លាន់	ឧត្តមស្វរិយា	ត្រាំកក់	√		8m ³	097 88 61 915
75	កាន់ សំអូន	ប្រុស	រំពាក់ពេន	ឧត្តមស្វរិយា	ត្រាំកក់	√		8m ³	096 95 05 833
76	នាង ប៊ុច	ស្រី	ត្រពាំងត្រៀត	ឧត្តមស្វរិយា	ត្រាំកក់	√		8m ³	086 54 57 76
77	ទួន សារី	ស្រី	រំពាក់ពេន	ឧត្តមស្វរិយា	ត្រាំកក់	√		8m ³	086 38 69 12
78	គង់ បន	ប្រុស	ចុងអា	ឧត្តមស្វរិយា	ត្រាំកក់	√		8m ³	016 27 98 11
79	ប៉ក់ ស៊ី	ប្រុស	ត្រពាំងរុន	ឧត្តមស្វរិយា	ត្រាំកក់	√		8m ³	090 76 60 08
80	សាន ហាក់	ស្រី	ព្រៃភ្លុង	សំបួរ	ទ្រាំង	√		8m ³	097 76 81 338
81	យឹម សារ៉ាត់	ស្រី	ព្រៃដកពរ	សំបួរ	ទ្រាំង	√		8m ³	097 76 81 338
82	ញ៉េប ម៉ា	ស្រី	ពោធិ៍	សំបួរ	ទ្រាំង		√	8m ³	088 81 60 047
83	ច្រឹក តាំងអ៊ុន	ស្រី	អង្គបក្សី	ជាងទង	ត្រាំកក់	√		8m ³	088 40 16 267
84	ប៊ិន សុចិន្តា	ស្រី	អង្គបក្សី	ជាងទង	ត្រាំកក់	√		8m ³	071 33 24 645
85	ស៊ុន ចុម	ប្រុស	ផ្លូវលោក	ត្រពាំងក្រញូង	ត្រាំកក់	√		8m ³	096 45 29 944
86	ញ៉ុត ង៉ែត	ប្រុស	ផ្លូវលោក	ត្រពាំងក្រញូង	ត្រាំកក់	√		8m ³	088 23 93 525
87	តាក់ ទិត្យា	ប្រុស	ត្រពាំងសោម	ត្រពាំងធំខាងត្បូង	ត្រាំកក់	√		8m ³	097 38 34 222
88	ម៉ែន ធា	ស	ត្រពាំងកំណប់	ដំបូកខ្ពស់	អង្គរជ័យ		√	8m ³	077 771 263
89	ជួន វេន	ប	ដំណាក់ត្រយឹង	សំរោងលើ	បន្ទាយមាស		√	8m ³	085 41 69 07
90	អ៊ុក សុខា	ស	ត្រពាំងកំណប់	ដំបូកខ្ពស់	អង្គរជ័យ		√	8m ³	017 83 64 70
91	អ៊ុក សារ៉េន	ស	ត្រពាំងកំណប់	ដំបូកខ្ពស់	អង្គរជ័យ	√		8m ³	066 27 17 78
92	នូ រដ្ឋី	ប	វាលត្បាល់	មានជ័យ	ឈូក	√		8m ³	097 63 44 714
93	ស្រី សេង	ប	វាលត្បាល់	មានជ័យ	ឈូក	√		8m ³	088 5174 726
94	មា គន្ធា	ស	ទឹកក្រហម	កណ្តាល	ទឹកឈូ	√		8m ³	088 9120 148

95	ស៊ុន គន្ធី	ស	ទឹកក្រហម	កណ្តាល	ទឹកឈូ	√		8m ³	097 2550 843
96	មា ចុង	ស	ទឹកក្រហម	កណ្តាល	ទឹកឈូ	√		8m ³	088 7137 096
97	ញេប ម៉ែង	ស	ត្រពាំងបួស្សី	ដំណាក់សុក្រំ	ដងទង់	√		8m ³	097 3289 411
98	សួន វណ្ណា	ប	ត្រពាំងបួស្សី	ដំណាក់សុក្រំ	ដងទង់		√	8m ³	071 9667 929
99	វិញ វិច្ឆិកា	ស	ត្រពាំងបួស្សី	ដំណាក់សុក្រំ	ដងទង់		√	8m ³	097 960 2287
100	ង៉ែត ស៊ា	ប	ស្វាយផ្អែម	វត្តអង្គខាងជើង	បន្ទាយមាស	√		8m ³	097 288 3426
101	អ៊ឹម ស៊ីណូ	ស	ស្វាយផ្អែម	វត្តអង្គខាងជើង	បន្ទាយមាស	√		8m ³	071 6045 675
102	ខៀវ វ៉ែ	ប	ដំណាក់ត្រយឹង	សំរោងលើ	បន្ទាយមាស	√		8m ³	011 887 199
103	សាយ ទុច	ប	ដំណាក់ត្រយឹង	សំរោងលើ	បន្ទាយមាស	√		8m ³	096 793 5993
104	អ៊ូច សុខ	ប	ដំណាក់ត្រយឹង	សំរោងលើ	បន្ទាយមាស	√		8m ³	097 284 8951
105	សោម វណ្ណា	ប	ដំណាក់ត្រយឹង	សំរោងលើ	បន្ទាយមាស	√		8m ³	012 76 06 61
106	នេន សុខនី	ប្រុស	ស្វាយផ្អែម	វត្តអង្គខាងជើង	បន្ទាយមាស	√		8m ³	097 74 26 447
107	ជុន សុច	ប្រុស	ស្វាយផ្អែម	វត្តអង្គខាងជើង	បន្ទាយមាស	√		8m ³	097 36 43 908
108	ម៉ែន យ៉ុន	ប្រុស	ស្វាយផ្អែម	វត្តអង្គខាងជើង	បន្ទាយមាស	√		8m ³	097 89 75 200
109	អ៊ុក យឿន	ប្រុស	ត្រពាំងកំណប់	ដំបូកខ្ពស់	អង្គរជ័យ	√		8m ³	092 53 43 76
110	ស ពៅ	ស្រី	ត្រពាំងកំណប់	ដំបូកខ្ពស់	អង្គរជ័យ	√		8m ³	088 80 26 183
111	អ៊ុក វ៉ា	ប្រុស	ត្រពាំងរុន	ដំបូកខ្ពស់	អង្គរជ័យ	√		8m ³	097 75 08 906
112	អ៊ុក សុផានី	ស្រី	របោះខ្ទុម	ដំបូកខ្ពស់	អង្គរជ័យ	√		8m ³	097 33 94 472
113	ម៉ម ទុច	ប្រុស	ត្រពាំងត្នោត	ដំបូកខ្ពស់	អង្គរជ័យ		√	8m ³	097 20 52 169
114	មិន សុភា	ស្រី	របោះខ្ទុម	ដំបូកខ្ពស់	អង្គរជ័យ	√		8m ³	088 33 49 374
115	ជែ យេន	ប្រុស	ត្រពាំងកំណប់	ដំបូកខ្ពស់	អង្គរជ័យ	√		8m ³	090 63 95 63
116	ឡាយ វីត	ប្រុស	ត្រពាំងកំណប់	ដំបូកខ្ពស់	អង្គរជ័យ	√		8m ³	031 99 20 101
117	ទិត្យ ងេន	ប្រុស	របោះខ្ទុម	ដំបូកខ្ពស់	អង្គរជ័យ		√	8m ³	076 20 72 196
118	អេប ពេជ	ស្រី	ស្វាយផ្អែម	វត្តអង្គខាងជើង	បន្ទាយមាស	√		8m ³	097 45 19 232

119	ចាប់ បូរ៉ាន់	ស្រី	ត្រពាំងកំណប់	ដំបូកខ្ពស់	អង្ករជ័យ	√		8m ³	081 57 02 45
120	អ៊ុក ម៉ាឡៃ	ស្រី	របោះខ្នុម	ដំបូកខ្ពស់	អង្ករជ័យ	√		8m ³	092 84 80 54
121	សេន ស្ទឹង	ស្រី	ស្វាយផ្អែម	វត្តអង្គខាងជើង	បន្ទាយមាស	√		8m ³	088 50 17 300
122	ភន គឹមសាន	ស្រី	ជ័រជុំ	ក្រាំងស្បូវ	ឈូក		√	8m ³	097 98 22 246
123	អែម ម៉ុល	ប្រុស	ស្វាយផ្អែម	វត្តអង្គខាងជើង	បន្ទាយមាស	√		8m ³	097 86 69 244