



CLIMATE-FRIENDLY AGRIBUSINESS VALUE CHAINS SECTOR PROJECT (CFAVC)



**ADB Loan No. 3661-CAM (COL)/8346-CAM (EF)
Grant No. 0579-CAM (EF)**

CS1 - 001 SER: Project Implementations Consulting

**FOURTH QUARTERLY PROGRESS REPORT 2022
OCTOBER - DECEMBER**

Prepared by

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ACRONYMS AND ABBREVIATIONS

AC	Agricultural Cooperative
ADB	Asian Development Bank
AESA	Agriconsulting 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
FWUSG	Farmer Water User Sub-Group

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	Kilo-watt
KPT	Kampot province
LARF	Land Acquisition and Resettlement Framework
M&E	Monitoring and Evaluation
MAFF	Ministry of Agriculture, Forestry, and Fisheries
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	Tboung 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

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Reporting Period	October - December 2022	Date of Submission: 22 January 2023
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I. INTRODUCTION AND BASIC DATA

1. This is the Fourth Quarterly report of the year 2022 of the Climate Friendly Agribusiness Value Chain Sector (CFAVC) Project, covering the period from October- December 2022.

I.1. Basic Project Information

2. The brief project information such as project name, project title, executing agency and implementing agency are shown in Table I.1.

Table I.1: Project Information

Project Number	48409-002 Loan No. 3661-CAM (COL) / 8346-CAM (EF) Grant No. 0579 - CAM (EF)
Project Title	Climate Friendly Agri-business Value Chains Sector Project (CFAVC)
Recipient	Royal Government of Cambodia
Executing Agency	Ministry of Economy and Finance; Ministry of Agriculture, Forestry and Fisheries;
Implementing Agency	Cambodia Agricultural Research and Development Institute (CARDI) General Directorate of Animal Health and Production (GDAH) General Directorate of Agriculture (GDA) General Department Directorate of Technical Affairs of MOWRAM General Directorate of Technical Affairs of MRD

3. The CFAVC project is funded by the Asian Development Bank under loan No. 3661-CAM (COL) and the Green Climate Fund (GCF) under loan 8346-CAM (EF) and grant number No. 0579-CAM (EF) while the Royal Government of Cambodia (RGC) and the beneficiaries also contribute.

I.2. Estimated Project Cost and Financing Plan

4. The project is estimated to cost a total of \$141.04 million, of which the ADB will provide US\$90 million from ADB's ordinary capital resources (in the form of a Concessionary Loan) while the Green Climate Fund will provide \$40 million (\$ 10 million in the form of a loan and % 30 million as a grant). RGC will finance \$ 7.38 million to cover the costs for activities s described in table I.2, while the contribution from the beneficiaries in the form of-kind or in cashes for the biogas plant and compost huts is expected to be equivalent to \$3.66 million equivalent (PAM, par 18, p.15). For more detail see table I.2.

Table I.2: Indicative financing plan CFAVC ADB and CGF (in millions of US\$)

Activity	TOTAL Budget (\$)	ADB Loan	CGF(\$\$)	
			Loan	Grant
Irrigation, Ponds and Roads	78,796,750	60,537,190	9,963,900	8,295,660
Warehouses and laboratory	5,762,800	5,762,800	0	0
Other infrastructure	1,444,650	1,330,600	0	114,050
Equipment, Materials, Goods and Implementation	27,543,130	16,757,700	0	10,785,430

Activity	TOTAL Budget (\$)	ADB Loan	CGF(\$\$)	
			Loan	Grant
Costs				
Incremental Operating Costs	4,681,030	4,187,100		493,930
Interest and Fees	1,460,710	1,424,610	36,100	0
Training, Workshops and Demonstrations	7,456,780	0	0	7,456,780
Biogas Plants and Compost Huts	2,854,150	0	0	2,854,150
TOTAL	130,000,000	90,000,000	10,000,000	30,000,000

5. Regarding the financing arrangements some additional conditions:

- The GCF loan is to support the climate resilience of the irrigation and roads program,
- The GCF grant is for all climate resilient activities such as bio gas, training and ICT.
- The RGC contribution is to cover i) biogas plants and composts huts (ii) salaries of government staff working for the project; (iii) land acquisition and resettlement; (iv) monitoring (including external monitoring for safeguards and external audit and (v) taxes and duties for goods, equipment, materials, surveys and services through exemptions.
- The farmer contribution is to contribute either in-kind or in cashes for the biogas plant and compost huts (PAM, par 18, p.15)

1.3. Project Approval, Effective and Closing Dates

6. The project approval date, LOA sign date, project effective date and closing date are presented in table I.3.
7. In November 2021 a first (virtual) ADB review mission was conducted after the first Inception Mission in January 2020 which took place before the outbreak of the Covid-19 pandemic. Chapter XIV provides more details about the progress with the implementation of the Agreed Action Plan of this mission.
8. During the November 2021 ADB review mission the ADB Mission and IAs agreed that the extension of the project implementation period by at least 18 months is critical to overcome considerable delays in implementation caused primarily by COVID-19.

Table I.3: Project implementation arrangement

Approval Date	29 June 2018	Elapsed Project Period (original)	Modifications
LOA Signing Date	06 Jun 2018		Not applicable
Effective Date	01 Oct 2018		
Closing Date	30 September 2024		30 June 2026
Date of last ADB review missions	First: 20 - 30 January 2020 Second: 22 - 29 Nov. 2021		

I.4. AWP 2022

9. The 2022 AWPB amounts to US\$ 37,072,000 as shown in Table I.4.

Table I.4: Approved AWP 2022

Executing Agency	Cost ('000USD)				
	Q1	Q2	Q3	Q4	Total
MAFF	2,395.04	3,098.44	2,794.42	5,230.39	13,518.300
MOWRAM	324.35	2,879.68	6,805.72	4,696.76	14,706.500
MRD	764.80	1,343.58	2,668.82	4,070.00	8,847.200
TOTAL	3,484.19	7,321.70	12,268.97	13,997.15	37,072.000
SOURCE OF FUNDS	Q1	Q2	Q3	Q4	Total
ADB	2,420.14	5,540.90	9,843.74	10,490.51	28,295.29
GCF Loan	121.15	384.93	784.80	961.09	2,251.97
GCF Grant	821.40	1,244.32	1,499.11	2,302.94	5,867.76
RGC	75.30	91.78	87.40	141.71	396.19
Beneficiaries	46.20	59.77	53.91	100.90	260.79
TOTAL	3,484.19	7,321.70	12,268.97	13,997.15	37,072.000

10. Table I.5 shows the actual realisation of the AWP 2022 which stands at 26.28 %.

Table I.5: Realisation of AWP 2022

AWP 2022 (US \$)			
	AWP	Disbursement	%
MAFF	13,518,300	6,100,807	45.130
MOWRAM	14,706,500	1,867,706	12.700
MRD	8,847,200	1,773,523	20.046
TOTAL	37,072,000	9,742,036	26.279

I.5. AWP 2023

11. The 2023 AWPB for the CFACF amounts to US\$ 42,732.079 with details shown in Table 1.6, while Table 1.7 shows the distribution of the funds over the various loans/grants. The vast majority of these allocations are not new but carry-over from previous years.

Table I.6: AWP 2023 per EA

Executing Agency	Cost ('000USD)				
	Q1	Q2	Q3	Q4	Total
MAFF	3,740.31	7,570.00	6,741.14	5,642.97	23,694.42
MOWRAM	126.54	978.43	2,739.44	5,870.59	9,715.00
MRD	1,776.88	2,094.61	2,461.29	2,989.87	9,322.65
TOTAL	5,643.72	10,643.05	11,941.87	14,503.43	42,732.07

Table I.7: AWP 2023 per Loan/grant

Source of Funds	Q1	Q2	Q3	Q4	Total
ADB	3,425.21	6,377.90	7,648.32	9,868.11	27,319.54
GCF Loan	227.70	362.46	549.90	1,023.56	2,163.61
GCF Grant	1,795.96	3,540.29	3,414.71	3,333.67	12,084.63
RGC	116.63	204.11	187.98	160.09	668.81
Beneficiaries	78.22	158.30	140.97	118.00	495.49
TOTAL	5,643.72	10,643.05	11,941.87	14,503.43	42,732.07

12. The total allocation of AWP 2023 for Output 1 is US\$ 30,786,920, for Output 2 US\$ 5,581,980 and for output 3 US\$ 2,282,400. The combined allocation for TA and consultants is US\$ 4,080,770.

Table I.8: AWP 2023 per Output

Out-Put	MAFF	MOWRAM	MRD	TOTAL
Output 1				
1.1 Rehabilitating water management infrastructure to climate resilient condition	169.00	9,450.33	-	9,619.33
1.2 Upgrading agricultural cooperative value chain infrastructure	7,735.14	-	-	7,735.14
1.3 Improving connectivity to cooperatives and markets through climate resilient farm road networks	-	-	9,144.99	9,144.99
1.4 Strengthening infrastructure for agricultural quality and safety testing	441.41	-	-	441.41
1.5 Promoting renewable energy for value chain improvement	3,846.05	-	-	3,846.05
Subtotal Output 1	12,191.60	9,450.33	9,144.99	30,786.92
Output 2				
2.1 Deploying climate resilient varieties	934.659	-	-	934.66
2.2 Strengthening capacity in climate friendly production practices and technologies	1,686.42	95.77	-	1,782.19
2.3 Promoting farm mechanization and extension	2,865.127	-	-	2,865.13
Subtotal Output 2	5,486.21	95.77	-	5,581.98
Output 3				
3.1 Formulating climate friendly agribusiness policies and standards	431.10	-	-	431.10
3.2 Promoting green finance and risk sharing mechanisms	1,085.30	-	-	1,085.30
3.3 Supporting climate risk management through information and communication technologies (ICT)	766.00	-	-	766.00
Subtotal Output 3	2,282.40	-	-	2,282.40
Total	19,960.21	9,546.10	9,144.99	38,651.30
Project Management				
MAFF	3,734.22	-	-	3,734.22
MOWRAM	-	168.90	-	168.90
MRD	-	-	177.66	177.66
GAND Total	23,694.42	9,715.00	9,322.65	42,732.07

I.6. Executive Summary

13. Table I.9 deadline shows for the 3 implementing Agencies MAFF, MOWRAM and MRD the financial and physical progress.

Table I.9: Physical and Financial Progress per Agency per 31 December 2022

EAs/ IAs	Budget (Allocation)	Total Disbursement	Progress Rate %	
			Physical	Financial
PMU-MAFF	56,343,840	11,098,067	39.6 %	19.4 %
MOWRAM	44,235,807	2,653,418	28.6 %	6.0 %
MRD	36,341,680	2,130,585	32.6 %	3.5 %
TOTAL	141,040,000	15,633,4120	35.69 %	11.1 %

I.6.1. MAFF: Main Implementing Agency of Outputs 1,2 and 3

Activities More or Less on Schedule

14. Activities implemented by MAFF which are more or less on track are the improvement of the 80 ACs, 4 PADCS and 4 Agricultural workshops, with the AWP2020 and AWP2021 programs already implemented and the AWP 2022 program (for Acs) currently being procured. Also the other part of Output 1 (laboratory) and the training Outputs 2 and most of the Output 3 activities are more or less on schedule.

Activities not on Schedule

15. Activities implemented by MAFF which are not on track are the installation of 12,000 biogas digesters (*of which currently 53 installed*) and 6,000 compost huts (0 installed) while the development of 2 new drought resistant rice and 1 maize varieties by CARDI has not started yet as the CS04 contract has still not been signed. Also the delay in the recruitment of the CS04 consultants has resulted in delays in the implementation of the ICT contract.

I.6.2. MOWRAM – Irrigation and FUWC (part of outputs 1 and 2)

Activities More or Less on Schedule

16. Activities implemented by MOWRAM which are more or less on track are the preparation of the Feasibility Studies and DED for the rehabilitation program in the 27 irrigation schemes and the development of FWUCs in these 27 schemes.

Activities not on Schedule.

17. Activities implemented by MOWRAM which are not on schedule are the implementation of the irrigation rehabilitation works due to the enormous delays in the implementation of the social safeguard screening. Currently only the AWP 2020 program is being implemented (6 out of the 27 irrigation schemes with the AWP 2021 program still not implementable awaiting social safeguard screening).

1.6.3. MRD - Farm Roads (part of Output 1)

Activities More or less on Schedule

18. Activities implemented by MRD which are more or less on schedule are the preparation of the Feasibility Studies and DED for the rehabilitation program of the 250 km farm – road program.

Activities not on Schedule

19. Activities implemented by MRD which are not on schedule are the implementation of the farm road rehabilitation works due to the enormous delays in the implementation of the social safeguard screening. Currently only the AWP 2020 program is being implemented (71 out of the 250 km farm roads) with the AWP 2021 program still not implementable awaiting social safeguard screening.

II. PROJECT PROGRESS DURING QUARTER 4 (OCTOBER - DECEMBER) 2022

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

Activity 1.a: Rehabilitation of Irrigation Schemes

Step1a: Reconnaissance

20. All 27 irrigation schemes covering 15,000 ha were identified in 2020 with two back-up schemes selected early 2022 as potential replacement of additional schemes. The program is divided in 3 batches, Batch I: AWP 2020 9 schemes covering 3,250 ha, Batch II AWP 2021 8 schemes covering 5,028 ha and Batch III AWP 2022 covering 8 schemes with 7,420 ha. In this reporting period the originally identified O’Romdoul Reservoir Scheme of the AWP 2022 program was canceled due to significant impact on resettlement and replaced by the Ta Oum Reservoir Scheme. For more information on the 27 selected schemes reference is made to Annex 6.
21. In this reporting period the following progress was made with feasibility study (FS) reports:
- Completed feasibility study and design drawing and Bill of Quantity 100% of Teuk Char East Reservoir Scheme at the end of December 2022. FSDD Team will double check before send to CS1 for review in 1st week of January 2023.
 - The Feasibility Study Report of Package No. CFAVC-MOWRAM-KPC-CW14.2 for two subprojects of Teuk Char West and Po Ta Tress Reservoir Scheme, the result of this Package is 80% and Package No. CFAVC-MOWRAM-TKO-CW15.2 for three subprojects of Chrouk 1 + Phlov Touk, Prey Romdeng and Kwaeng Tayee of Takeo province, the result of this Package is 80%.
22. The IEE received Nol from ADB was 9 subproject in Batch I and ongoing progress report of IEE for Batch II AWP 2022, 10 sub-schemes is currently at 80 %.

Step 2: Topo Survey

23. At the end of this reporting period the topo surveys in all 27 irrigation schemes are complete, while the topographical survey in 2 potential additional/backup irrigation subprojects are under progress. The total command area of 27 schemes is 15,000ha plus 2 back up of 600 ha.

Step 3a: DED

24. During this reporting period DED work focused on the Trapeang Ampil and Choam Takeung Reservoir Schemes which are part of the AWP2022 program. The progress works of these 2 subprojects completed 60%. In addition works have started to design concept of layouts, typical cross section, long profiles, structures location of Pou Tasuy Reservoir Scheme. The overall progress of this scheme is completed 10%. The FSDD Team will visit the irrigation scheme in January 2023. CS05 also completed the Crop Water Requirement of 3 subprojects in Kampong

Cham province such as Teuk Char East Reservoir Scheme, Teuk Char East Reservoir Scheme and Po Ta Tress Reservoir Scheme. Delineated catchment area and longest flow map of Ta Oum, Sdok Sab and Pou Tasuy Reservoir Scheme subproject.

25. At the end of this reporting period, the detailed engineering design is completed for 20 subprojects, while the DED in the remaining 8 subprojects is ongoing.

Step 3b: Social Safeguard screening

26. The preparation of the social safeguard annex (DDR) for the 9 schemes of batch I: 3 subprojects (O Kamprok, Pram Kompheak and Takoch) have resubmitted ADB for finalizing since (mid of September 2022). For DDR in Batch II, there are 5 subprojects being process (Tbong Khmum, Trapeang Rain, Braowek Pong, Kandol and Trapeang Boeung), were completed at the end of November 2022 (see Annex 6).
27. As all irrigation sub-projects are category C sub-projects they are subject to a screening by an Independent Third party verification expert. As this was initially not foreseen in 2020 the ADB recruited this expert from their own financial resources but as these ran out early 2022, the ADB requested the RCG to recruit these, but this has still not happened.

Step 3c: Environmental screening

28. Activities achieved this reporting period:
- Finalized the IEE of 10 subprojects in Batch II and submitted to CS1 for reviewing on 30 December 2022
 - Prepared minute of meeting of the public consultation for three subprojects in Takeo Province; Pouy Tasuy, Ta Oum and Sdok Sab Irrigation Schemes.
 - Assisted International Environment Specialist on the existing environmental condition for Pralay 95 and Pralay 42 Subprojects.
 - Conduct the public consultation of remaining three subprojects; Teuk Char East, Kampong Cham province, Trapeang Ampil and Choam Taheung Subprojects, Tboung Khmum province.
 - Assist the International Environment Specialist to complete the IEE of Pralay 95 and Pralay 42 Subprojects.

Step 3d: Gender

29. Activities achieved this reporting period:
- Finalize the Gender Action Plan for 3 subprojects such as Ta Oum Reservoir Scheme in Kus commune, Tramkok district, Sdok Sab Reservoir Scheme in Samroang communes, Tramkok district, Pou Tasuy Reservoir scheme in Kampeng commune, Kirivong district in Takeo province
 - Prepared the NCBD reports for the three sub-projects of Pou Tasuy, Sdok Sab and Pou Ta Oum Reservoir Schemes in Takeo province.
 - Prepared the Gender Mainstreaming Reports for the three sub-projects of Pou Tasuy, Sdok Sab and Pou Ta Oum Reservoir Schemes in Takeo province.
 - Working with the National Gender Specialist-CS1 Gender Team-CS1 on the reviewing the Gender Action Plan for sample to be feedback.

Step 4: Procurement

30. At the end of this reporting period CW have been bid for 14 irrigation subprojects, of which for 6 subprojects the CW works have been awarded, while for 3 additional subprojects (Pram Kompheak 900 ha, O'Kamprok 450 ha and Takoch 400 ha) the NOLs are being awaited. For the remaining 5 subprojects (Kampong Raing, Tbong Damrei, Trapeang Boeung, Kandol and Prawoek Pong), bid evaluation is ongoing.

Step 5: Implementation

31. At the end of this reporting period civil works have been implemented in 5 out of the 27 irrigation projects, covering 1,200 ha of the 15, 000 Ha (8 %) as follows:
- 1 subproject (Trapeang Run 100 Ha) had completely done the liability period.

- 2 subprojects (Tuol Pring (100 Ha) and Kbal Teuk (250 H) are completed 95%,
- 2 subproject Kraing Empil (200 ha) & Prey Kdouch (550 ha) are 98 % completed.

II.1.1. Step 6: O&M by FWUC

32. This activity should start in the first scheme (Trapenag Run) after the 1-year liability period of the contract was over.

Activity 1.b1: 800 on-farm RainWater Harvest Ponds Commissioned

33. On April 13 MEF send out a letter to ADB that the construction of the rainwater harvest ponds is assigned to MOWAM.
34. A first group of 260 ponds spread out over the 4 provinces have been screened and selected, comprising of 80 is Kampot province and 60 each in the other 3 provinces of Takeo, Kampong Cham and Tbong Knun. For all demarcation, topographical survey, IR, IP, public consultation meetings and DED are underway.

Activity 1.b2: 15 Drip Irrigation Demonstrations

35. On April 13 MEF send out a letter to ADB that the construction of the drip irrigation is assigned to MAFF.
36. The total budget allocated for these 15 drip irrigation systems is \$800,000 and the demonstrations are mainly in mango-growing provinces – Kampot and Takeo provinces. No drop irrigation demonstrations are planned in Kampong Cham and Tbong Khmum provinces, as they do not grow mango. During the project design, MAFF requested for one demonstration in neighboring Kampong Speu province, as mango is grown extensively in that province.
37. For this activity the AWPB2022 has planned a total of 5 drip irrigation system in areas which are used as demonstration site with mango farm in target province of the project.
38. During the reporting /previous period, the main achievements as the following:
- Document data collection process has been done since 2021 that included identifying and interviewing 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 coordinated work with DTL CS1 for continuing the bidding document process.
 - A meeting was conducted with DTL MAFF CS1, DTLCS2, PMU team and GDA/DoEA to review the progress of 5 drip irrigation systems, based on AWPB-2022 to identify some documents that were not completed based on the technical specification.
 - The team had another meeting to follow up on what we progressed in the previous session and then we have done the BoQ estimation for each drip irrigation and solar pumping.
 - At the last meeting, the representative of the Department of Agricultural Engineering (IA-GDA) proposed a demonstration site arrangement on drip irrigation system installation with a solar pumping to PMU and PMU's procurement guide to access ADB forward implementation in the field.

Activity 1.c: 250 Km of farm roads upgraded to Climate Resilient Standards

Step 1: Reconnaissance and Feasibility

39. Progress with the reconnaissance and preparation of the feasibility study of the 250 km farm roads is as follows:
- The Project has already identified 44 farm roads of 273.6 km (as against the project target of 250 km) for rehabilitation and improvement of climate resilience benefitting 44 out of the

total of 80 ACs in terms of all-year all-weather connectivity with markets. A combination of double bituminous surface treatment (DBST) in road lengths exceeding flood levels and concrete for road lengths below the flood level has been selected as appropriate to minimize the cost.

- The AWP2020 program consists of 8 subprojects is divided into 4 packages, with a total length of 71.099 km, benefitting 2 ACs each in Kampong Cham, Kampot, Takeo, and Tbong Khmum provinces with 82,765 (females: 42,447) direct beneficiaries and 859,083 (females: 440,566) indirect beneficiaries.
- The AWP2021 program consists of 20 subprojects facilitating 20 ACs with a total length of 100.65 Km. December 2022y reports were approved in 2021.
- The FS of AWP2022 batch III, comprising of 16 subprojects with an estimated length of 100 Km are 100% completed and submitted to CS1 for review on 16 August 2022. However as the CS01 team currently has no MRD-DTL the activity to review these feasibility studies is delayed.

Step 2: Toposurvey

40. Progress with the implementation of the toposurvey for the 250 km farm roads is as follows:

- For the road subprojects planned in 2021 MRD Batch II (100.65Km), the topographical surveys have been progressed 100% completed, the Traffic count 100% completed, and the Geotechnical investigation survey 100% completed. The overall surveys studies have been progressed 100% completed,
- For the road subprojects planned in 2022 MRD Batch III (100km), the topographical surveys have been progressed 100% completed, the Traffic count 100% completed, and the Geotechnical investigation survey 100% completed. The overall surveys studies have been progressed 100% completed.

Step 3: DED

41. Progress with the implementation of the DED for the 250 km farm roads is as follows:

- The detailed engineering designs (DED) for the road subprojects planned in the AWP 2020 and AWP 2021 program are 100% completed,
- 16 road subprojects with total length of 100 km are planned for project support in 2022 (covered 16 AC), and the estimated cost for these road subprojects is of about \$ 14,350,000.00, the DED preparation for these road subprojects have been progressed 66% completed.

Step 4: Procurement

42. Progress with the tendering of the rehabilitation and making climate resilient and obtaining approval of the contract by the ADB is as the DED for the 250 km farm roads is as follows:

- The procurement processes for the AWP2020 Batch I were completed for these road subprojects with 71.09 km and the total contract value of \$ 8,665,818.34. All contracts have been signed, same as for social safeguards works clearance has been completed. Handing over certificate for Kampong Cham package was issued by GDR in 1st week of September 2022 and Compensation and Allowance payment to Vulnerable Affected Households in Kampot also completed in 2nd week of September 2022.
- Bidding was completed for the first batch of 8 farm road subprojects with a total length of 71.09 km and a contract value of \$8.67 million
- The MRD Batch II - 20 road subprojects with a total length of 100.65 km (benefitting 4 ACs each in Kampot and Kampong Cham, 5 ACs in Takeo, and 7 ACs in Tboung Khmum), table II-2 with an estimated contract value of \$14.00 million are undergoing preparation of Detailed Resettlement Plan and the first package in Takeo has been announced invitation for bid by 4th week of September 2022 with bid opening planned for 27 October 2022, with a total of 8 participating contractors, 7 Cambodian and 1 Chinese firms.. The contracts will be awarded if the social safeguards are cleared.

Step 5: Implementation of farm Road Contracts

43. Progress with the implementation of the rehabilitation and making climate resilient for the 250 km farm roads at the end of this reporting period is estimated at 12.08 km with details as shown in Annex 7. Some details:
- The Affected Households (AHs) for the Takeo Road subprojects under packages CW17b-CFAVC-MRD-TK3-2020 (Lot 1) and CW17b-CFAVC-MRD-TK4-2020 (Lot 2) were compensated by the GDR/MEF from the 8-10 Dec 2021. Thereafter the civil contract has started on the 21st Jan 22 for Lot 1 and 26th Jan 22 for lot 2.
 - Civil works construction for MRD batch I- Takeo province with 14.67km (Lot 1-Henan Water Construction Group Co., Ltd with 10Km) and (Lot 2-Hout Chhoeun Construction Co., Ltd with 4.67 Km). Physical construction progress is at 39% for TK3 Lot 1 and at 80% for TK4 Lot 2.
 - The Vulnerable Affected Households (VAHs) for the Tboung Khmum Road subprojects under packages CW17c-CFAVC-MRD-TBK5-2020 (Lot 1) and CW17c-CFAVC-MRD-TBK6-2020 (Lot 2) were compensated by the MRD from the 09 May 2022. Thereafter the construction work for MRD batch I- Tboung Khmum province has started in late May 2022 (Lot 1 and Lot 2- Heng Sambat Co., Ltd Import Export Transportation and Construction with 21.774 km). Physical construction progress is at 10.39% for TBK5 Lot 1 and 21.67% for TBK6 Lot 2.
 - The Affected Households (AHs) for the Kampong Cham Road subprojects under packages CW17d-CFAVC-MRD-KC7-2020 (Lot 1) and CW17d-CFAVC-MRD-KC8-2020 (Lot 2) were compensated by the GDR/MEF from the 18 August 2022. However, the Construction work for MRD batch I- Kampong Cham province has started in mid-August 2022 (Lot 1 and Lot 2- MTA Construction Co., Ltd. with 14.603 km) at free area of IR and so on for safeguards cleared area. Physical construction progress is at 5% for KC7 Lot 1 and 5% for KC8 Lot 2.
 - The Vulnerable Affected Households (VAHs) for the Kampot Road subprojects under packages CW17a-CFAVC-MRD-KP1-2020 (Lot 1) and CW17a-CFAVC-MRD-KP2-2020 (Lot 2) were compensated by the MRD from the 29 August and 09 September 2022. Thereafter the Construction work for MRD batch I- Kampot province has started in early October 2022 (Lot 1 and Lot 2- Royal Mekong Construction & Development Co., Ltd. with 20.052 km).
44. The Ukraine war, which started late February 2022, has caused a worldwide inflation and increase in energy prices which has also led into an increase in construction costs for the CFAVC project. The impact of these increases are as follows: a) for all tenders which took place before the start of the war with implementation to take place after the start of the war, the contractors will have difficulties to implement the works with the increased construction costs as these contracts do not have an escalation clause and b) for all contracts to be tendered after late February the construction costs will be more than foreseen in the CFAVC costtab.
45. The implementation of the Takeo TK3 contract is hampered by flooding also as the DED itself does not provide for any climate resilient drainage features except for some cross drainage but no side drains. The CS01 team has meanwhile started a process to design revision to include for these missing side drains.
46. In the previous reporting period, the PPIU MRD introduced a new requirement that all farm road contract correspondence, including endorsement of invoices, as to be channelled via the CS01 PIC consulting services. As during this month there was no DTL MRD for the CS01 team, this meant that the International Team leader had to implement all this on top of his routine duties.

Step 6: O&M by Village Communities

47. Although the constructions are not yet complete, MRD has already identified and formation 22 Road Maintenance Committee for Batch I&II for the 4 provinces.

Activity 1.d: 80-Agriculture cooperatives integrated adaptation measures

Sub-target 1.d.1: Rehabilitation of the Buildings

48. Table III.1 shows the planning of the improvement of the buildings of the 80 Agricultural cooperatives. The installation of the equipment, including the solar panels will follow one year later for all. There are 3 type of grain storages depending on the crops to be processed/stored of each ACs.

Table II.1: The Summary list of ACS 2020-2022

No	Province	2020	2021	2022	TOTAL
1	Takeo	5	13	9	27
2	Kampot	5	8	5	18
3	Kampung Chanm	5	4	6	15
4	Tebung Khnum	5	10	5	20
Total		20	35	25	80

49. The 20 ACs of AWPB 2020 were started to construct and completed in 2021 and the 35 ACs of AWPB 2021 were selected and started to construct in 2022 and are currently underway of the construction due to the bidding process and getting NOL from ADB.
50. There were 25 ACs of AWPB 2020 are under finalization of the safeguard screening to be followed procurement procedures and will be started construction in 2023 and the project considered in addition to selecting more 6ACs in Takeo 3ACs and Kampong Cham 3ACs for 2023. The total selection of potential ACs from 2020-2023 is now 86 ACs as is shown in Table II.2.

Table II.2: The Summary list of AWP2022 ACS identified Mid-December 2022

No	Activities	Province names	Unit	2022		Cumulative Total 2020 -2022
				Annual Target	Actual Prgress in Oct-Dec 2022	
1	# of ACs identification	TAK	ACs	9	15	33
2		KPT	ACs	5	7	20
3		KPC	ACs	6	4	13
4		TBK	ACs	5	5	20
Total				25	31	86

51. For the AWPB 2022 with an annual target of 25 ACs (First package selection with 12 ACs in Takeo and Kampot provinces) the DED has been completed. During the reporting period, there were 19 ACs were identified and selected 13 ACs for the 2nd package selection for Kampong Cham and Tboung Khmum provinces, the DED is in underway preparation and will be completed in the next quarterly.

Sub-target 1.d.2: Photo-Voltaic study and Installation

52. As reported above the 80 ACs are not all similar as they are tailor made for the crops processed/stored in that AC in question, and as a result the list of necessary equipment is also different. F.i. for some crops different equipment is installed to reduce postharvest losses and moisture content management in particular raining season. In addition, solar power will be

introduced within the stores for ventilation and drying, lighting, and powering management system. During the reporting period, main achievement as the following:

- Completed BoQ estimation for NAL-room renovation (11 rooms)
- Completed drawing of power socket for NAL-room renovation (9 rooms)
- Completed drawing single diagram, and distributed board (9 rooms)
- Completed drawing air-conditioner (9 rooms)
- Completed drawing exhausted fan (9 rooms)
- Completed drawing riser diagram (9 rooms)

Activity 1.e: Strengthening infrastructure for agricultural quality and safety testing at national agricultural laboratory (NAL)

53. Under this activity, there are the following sub-targets: sub-target 1.e.1: Crop product quality and safety testing laboratory equipment upgraded; sub-target 1.e.2: Upgrading Biotech-Lab Infrastructure; and Lab equipment; sub-target 1.e.3: Improvement staff competency; 1.e.4 support to achieve ISO 17025 Accreditation; support in business plan recovery; sub-target 1.e.5: support business plan recovery. During this reporting period the main achievements are as follows:

Sub-target 1.e.1: Crop product quality and safety testing laboratory equipment upgraded

54. The newly inaugurated Plant Biotechnology Laboratory (PBL) will be supported; no building is required as the sanitary and phytosanitary measures (SPS); however, some building redesign and reorientation is required to satisfy future International Standards Organization (ISO) 17025 accreditation. Main activities of this sub-target focused on upgrading Biotech-Lab infrastructure renovation, Lab-equipment and certification & standards. During the reporting, main result of achievement as the following:

- Lab renovation has been designed and process of bidding by procurement with Service Provider Company in local.
- Green-House construction with size of (3 x 23 m) has been signed contract with KASEGRO., Co. ltd that issue on 16 June 2022 and will started of construction on 27 June 2022.
- Drawing and design for Lab-Room renovation and Greenhouse construction submitted to procurement unit of PMU for review and acceptance prior submission to ADB for further review and approval
- List of equipment and material including chemical reagent and consumable for the Lab usage has been finalized and submitted to procurement unit of PMU for review and acceptance prior submission to ADB for further review and approval.

Sub-target 1.e.2: Improve Staff Competencies

55. In the AWPB 2022 planned activities are to support specific and technical training (training on plant tissue culture, biofertilizer production and quality testing, biopesticide production and quality testing) and on-the job training on relevant topics on lab-equipment use and management to NAL's staff and other relevant capacity development. Progress made is as follows:

- Concept note and relevant document related on single source selection for specific technical training for 36 staff of NAL submitted to procurement unit for review and submission to ADB for further review and approval prior for negotiation calling.
- On the job training on mother plant collection has approved by PMU.
- Lab infrastructure green house has designed BoQ and cost estimate progressing.
- Finalized lists of equipment, materials and chemical reagent for the lab were sent to procurement for approval.
- Lab renovation: changed room D (Plant Tissue Transferring Room) added design BoQ and cost estimate completed.

- Green-House construction (3 x 23 m): photovoltaic team have visit greenhouse sample at GDA and designed BoQ, water supply system, electricity system and cost estimate completed.
- Lab infrastructure green house has designed BoQ and cost estimate completed.
- Finalized lists of equipment, materials and chemical reagent for the lab were sent to procurement for approval.

Sub-target 1.e.2.1: Biofertilizer & Biopesticide Production and Quality Testing

56. This sub-target aims to establish a testing regime for organic and biofertilizers and assist in developing a standard with which the testing will comply together with advising the necessary equipment and materials to undertake the analysis recommended. Main activities focused on the following: (i) Undertake a market assessment of the organic and biofertilizers, including local producers and highlight the current organic and biofertilizer product registration process, include legal instruments used in the registration process; (ii) develop testing manuals for those tests that are considered necessary and make recommendations for those tests to be incorporated into organic and biofertilizer quality standard; and (iii) development of testing protocols for testing organic and bio fertilizers that can be used in a testing standard. During the reporting period, main achievement as the following:

- Develop the draft testing manual of biofertilizer and conducted consultation meeting with the technical working groups (TWGs) of GDA for their comment and feedback.
- Develop testing protocol for testing organic and biofertilizer.
- Develop the draft testing manual of organic fertilizer and conducted consultation meeting with the TWGs of GDA for their comment and feedback.
- Developed the testing manual on biofertilizer and organic fertilizer testing for NAL.
- Developed and implemented for on the job-training on the basic principle of microbiological laboratory management and the bio-assay for plant growth promoting microbes for the commercial products of biofertilizer and biopesticides for NAL staffs.
- Developed training materials for on the job-training on the basic principle of microbiological laboratory management and the bio-assays for PGPM for the commercial products of biofertilizer and biopesticides.
- Drafting the technical guideline on the ISO 17025 laboratory accreditation.
- Conduct market survey on the use and quality of biofertilizer and organic fertilizer in local market has implemented by NAL lead by biofertilizer/pesticide specialist.

Sub-target 1.e.2.2: Developing Plant Tissue Culture and Protocols for Banana and Cassava

57. This sub-target support develops meristem TC protocol or protocols for production of cassava to clean up stocks (from Mosaic Virus and mycoplasma) and use those protocols to transfer the technology to private sector companies. Main activities focus on the propose methods of cassava TC by using meristems derived in vivo plantlets and leaves grown under environmentally controlled conditions; develop a TC manual for cassava and if there is sufficient time, other crops or ornamentals that will benefit from TC and have a commercial potential; develop a strategy, plan and description of the TC methodology. During the reporting period, main achievement as the following:

- Preparing concept noted for on-the job training on plant tissue culture.
- Preparing lessons, slide presentation for on-the job training and Lab practicing.
- Lead field study on how to identify and collect quality mother plant for multiplication through tissue culture of cassava and banana for NAL staffs to target provinces.
- Conducted on the job training for NAL staffs by follow up to AWPB2022.
- Specified greenhouse materials for procurement document submission.
- Had meeting with NAL director and team work on final AWPB and agreed action plan to be finish at the provided due date.
- Reviewed methodology, guideline for banana and cassava production though tissue culture.

- Revised of developed manual of Cassava Tissue Culture after meeting on technical working group for the third revision to finalize the manual development.

Sub-target 1.e.3: Support to achieve ISO 17025 accreditation compliance/registration

58. Main activity of this sub-target focuses on building design and reorientation required to satisfy future International Standard Organization (ISO) 17025 accreditation for the range of tests supported by the project. The other target is to generate revenue at least US\$ 75,000 per annum by year 6 and license tissue culture technologies. The main activities focus on related specific (exam- plant tissue development, bio-fertilizer, bio-pesticide development and testing) and other relevant capacity development (Lab-equipment use and management) support to NAL staff.

Sub-target 1.e.4: Support in the business plan to get recovery

59. This sub-target promotes and establishes a commercial ethos within the Plant Biotechnology Laboratory (PBL), to ensure the laboratory will achieve partial cost recovery for its services. Main activities focus on developing training programs on laboratory commercialization, the elaboration of business plans and marketing laboratory services; assessing the laboratories in the country and identifying possible overlaps in testing capability that may create competition; preparing a business plan, presenting a strategy/plan for commercialization to ensure that the laboratory will achieve partial cost recovery for its services.

Activity 1.5: Promoting Renewable Energy in target Cooperatives for Value Chain Improvement

60. Under this activity, there are five sub-targets: sub-targets 1.f.1 and 1.f.2: identification and installing 12,000 bio-digesters, sub-targets 1.f.3 and 1.f.4 : identification and installation of 6,000 compost huts including training and capacity building on bio-digester and bio-slurry use and management, and sub-target 1.f.5: capacity building of beneficiaries at least 80,000 persons, including at least 50% women.

Sub-target 1.5.1: Identification of Potential Beneficiaries for bio digester program

61. In the AWPB 2022 it was planned to identify and select and construct an only additional 150 new biodigester for eligible farmers/farm owners. During 2022, the main result of achievement as the following:

- Identification of new additional eligible and interested farmers for bio-digester construction through activities such as field coaching and mention on promotion and marketing and small group or village meeting to identify and select interested clients.
- Conducted dissemination and awareness information on benefits of bio-digester and compost hut program to communities in target areas.
- 1,459 new clients of biodigester construction were identified during the last quarter of 2022.
- A total of 2,297 farmers have now been identified for purchasing a bio-digester in 2022.

Table II.3: Update number of beneficiaries identified for Bio-digesters per December 2022

No	Activities	Province	Annual Target 2022	Actual Progress in Oct-Dec 2022	Cumulative Progress AWP 2022
1	Beneficiaries identified on purchasing biodigester	TAK	38	103	765
2		KPT	38	155	464
3		KPC	37	316	591
4		TBK	37	111	477
Total			150	1,459	2,297

62. The AWP 2020 had a total of 500 biodigesters and the AWP 2021 an additional 750, while the AWP 2022 has an additional target of 150 biodigesters.
63. From the total accumulated amount of 1,400 bio-digesters over the 3 AWPB with a total of 3,193 potential beneficiaries have been identified as shown in table II.4 below:

Table II.4: Update Number of bio-digester validation 2020-2022

No	Activities	Province	Total Target 2020 - 2021	Actual Progress 2020 - 2021	Cumulative Progress 2020 to 2022
1	Beneficiaries identified on purchasing biodigester	TAK	350	255	1,020
2		KPT	350	219	683
3		KPC	350	167	758
4		TBK	350	255	732
Total			1,400	896	3,193

Sub-target 1.5.2: Installation of 12,000 Bio Digesters

64. In 2020 a first group of 3 demonstration units were built.
65. To date still 0 biodigesters were constructed by a potential winner of the tender as both tenders which have so far been floated both failed.
66. The second tender was implemented in 2022 as follows;
- Prepared second round of tender document and submitted to ADB for review and NOL
 - Get NOL from ADB on 22 April for the second bidding document for the procurement of works for the construction of 500 units of biodigesters in the four targeted provinces and finalize the document and proceed to invite bids and the bidding document.
 - The second of National Competitive Bidding Procedures is failed due to the submission of the companies for biodigester construction are not meet the requirement of selection while the deadline of submission the bidding on 26 July 2022 and the result is failed.
67. In 2022 for purposes of research, development, pilot purposes a total of 52 bio-digesters were constructed by the PMU..

Table II.5: Update Implementation for the Biodigesters by December 2022

No	Activities	Province	Annual Target for bidding	Actual Progress in Oct-Dec 2022	Cumulative Progress 2020 - 2022
1	Biodigester Construction for target in 2020	TAK	125	17	18
2		KPT	125	17	18
3		KPC	125	11	12
4		TBK	125	7	7
Total			500	52	55

Sub-target 1.5.3: Identification of potential beneficiaries for the Compost Hut program

68. In the AWPB 2022 the project planned to identify additional new eligible clients of 655 clients across the 4 target provinces. During the reporting period, the main achievements as the following:
- Identification of new additional eligible and interested farmers for compost hut construction through activities such as field coaching and mention of promotion and marketing with a small group or village meeting.

- Other activities in the sector are contributing disseminate and awareness-raising information about the benefits of the compost hut program.
- 424 new clients of compost hut were identified during the reporting period.
- Get NOL from ADB on 22 April for the second bidding document for the procurement of works for the construction of 250 units of compost hut in the four targeted provinces and finalize the document and proceed to invite bids and the bidding document.
- The second of National Competitive Bidding Procedures is failed due to the submission of the companies for compost hut construction are not meet the requirement of selection while the deadline of submission the bidding on 26 July 2022 and the second result of bidding is failed.

69. In 2022 for purposes of research, development, pilot purposes a total of 18 compost huts were constructed by the PMU.

Table II.6: Update beneficiaries for Compost Huts identified by December 2022

N	Activities	Province names	Unit	Annual Target 2022	Actual Progress in Oct-Dec 2022	Cumulative Progress 2020 - 2022
1	# of new clients identified for the Compost hut program	TAK	Person	57	74	580
2		KPT	Person	58	123	412
3		KPC	Person	56	139	286
4		TBK	Person	55	88	407
Total				226	424	1,685

70. From the total accumulated amount of 851 compost huts over the 3 AWPB such as the AWP 2020 had a total of 250 compost huts and the AWP 2021 an additional 375, while the AWP 2022 has an additional target of 226 compost huts. A total of 2,276 potential beneficiaries have been identified the clients for validating and selection as shown in table below:

Table II.7: Update beneficiaries identified for compost huts per December 2022

N	Activities	Province Names	Unit	Target 2020-2022	Actual Progress in Sep 2020 to 2021	Cumulative Progress from 2020 to Dec 2022
1	# of new clients identified for the Compost hut program	TAK	Person	213	193	773
2		KPT	Person	213	156	568
3		KPC	Person	212	105	391
4		TBK	Person	213	137	544
Total				851	591	2,276

Sub-target 1.5.4: Installation of 6,000 Compost Huts

71. In the AWPB 2022 the project planned to identify and construction an additional 226 compost huts, on top of the 375 compost huts carried from 2021, and 250 compost huts carried from 2020. During the reporting period, the main result of achievement as the following:

- No compost hut construction activities started yet for the National Competitive Bidding (NCB), due to failed of bidding procurement.
- First bidding was failed, so the construction of 250 compost hut delayed.
- Get NOL from ADB on 22 April for the second bidding document for the procurement of works for the construction of 250 units of compost huts in the four targeted provinces and

finalize the document and proceed to issue the invitation for bids and the bidding document.

- The second of National Competitive Bidding Procedures is failed due to the submission of the companies in biodigester and compost hut construction are not meet the requirement of selection. The MAFF-PMU and IA-GDAH will suggest the changing of procurement procedure because of a large number of farmers have changed their minds because they have been waiting a too long time for the construction of biodigester and compost hut, most of them used the contributed budget for other purposes.
- The research, development, pilot and use of the compost hut construction is 18 compost hut of biodigester during the reporting period while the total of research and development for compost hut is 21 places.

Table II.8: Update Compost hut construction per December 2022

N	Activities	Province names	Unit	Annual Target for Bidding	Actual Progress in Oct-Dec 2022	Cumulative Progress By Dec 2022
1	Compost hut Construction for target in 2020	TAK	Compost hut	63	0	1
2		KPT	Compost hut	62	0	1
3		KPC	Compost hut	63	11	12
4		TBK	Compost hut	62	7	7
	Total			250	18	21

Sub-target 1.5.5: Capacity Building of Beneficiaries

72. The project aims to reach about 80,000 people including 50 % woman, by strengthening the capacity of the biodigester and compost hut program related to promotion & marketing, monitoring & evaluation; and innovation & Value chain improvement. AWPB 2022, anticipated that plan to for 4,000 persons strengthen their capacities as mentioned above topics.
73. During the quarterly reporting period, a total of 3,937 persons of which 1,668 persons are females received a series of training and other capacity strengthening as the following:
 - Training and capacity building 636 persons of which 202 are females. These activities such as Refresher training of extension workers for biodigester and bio-slurry 6 courses, User training for biogas plant and bio-slurry (biogas plant and bio-slurry management) 14 trainings, TOT training on biogas plant, bio-slurry use and management for extension workers 2 courses, Training on composting and its application to farmers and the agriculture community 10 courses and Internal exchange visit on-site on site learning and field practices to EWs, key farmers, potential farmers 2 courses.
 - Promotion and marketing 2,909 persons of which 1,350 are females. The sub-activities in this part are information folders, manuals, booklets and other extension material printed 40 sets, promotion and marketing extension (posters, promotion leaflets and other promotion materials printed 6,000 posters, installed 20 promotion signboards for biodigester and compost hut, conducted 58 small group meetings for extension & seeking interested clients, conducted coordination and monitoring meeting with relevant stakeholders 6 meetings, and conducted 9 courses of field coaching and mention on promotion and marketing.
 - Monitoring and evaluation of 285 persons with 84 are females. These activities include provincial monthly Progress meetings 14 meetings and national coordination meetings 2 meetings.
 - Innovation and value chain improvement 107 persons of which 32 are females. These activities such as support inputs for integrated farming demonstrations with 11 places and conducted quarterly technical meeting on quality control and biogas appliances for biodigester and compost hut for 2 meetings.
 - Actual progress during the reporting period (October-December 2022) is 3,937 persons

while cumulative by December 2022 with a total of persons received the capacity building is 17,930 persons.

Table II.9: Update of R&D and capacity building per December 2022

N	Activities	Unit	Annual Target 2022	Actual Progress in Oct-Dec 2022	Cumulative Progress 2020- 2022
1	Training and capacity building	Person	1,000	636	1,577
2	Promotion and marketing	Person	1,000	2,909	15,093
3	Monitoring and evaluation	Person	1,000	285	896
4	Innovation & VC Improvement	Person	1,000	107	364
Total			4,000	3,937	17,930

II.2. Output 2: Climate Smart Agriculture and Agribusiness Promoted

Activity 2.a: Deployment of climate-resilient varieties

Sub-target 2.a.1: 3 Additional climate-resilient varieties developed and released

74. The CFAVC project supports the Cambodia to develop, release and distribute to the farmers 3 new climate resilient varieties (2 rice and 1 maize) including seed production and multiplication. It is planned that this will be a direct contract to IRRI in cooperation with CARDI and a third party for the distribution. The program to be implemented by CARDI is a large scale training on farmer- seed production and seed multiplication of climate resilient for each target crop varieties in target provinces and distribution of quality seed to farmers for conducting on farm-demonstration. Moreover, the project assist CARDI to develop a commercialization program with recommendation on the legal framework to develop intellectual property rights and partial cost recovery for the institution. During the reporting period, main result of achievement as the following:

- The CS03 contract between the PMU and IRRI/CARDI was still not signed but the ToR between IRRI and CARDI was principle agreed to implement the AWPB 2023.
- Awaiting this contract signing CARDI has done the following activities in this and previous reporting periods:
 - Advancing rice generation (04): During the reporting period, a total of 120 progenies were selected for next advance generation in Dry and wet season 2023. CARDI finish the harvesting and manage to thresh and store the selected genotypes.
 - Seed increase promising line (02 SI): During December reported, the harvesting and threshing is finished. A total of 250 kg of seed obtained from seed increase.
 - 2 trials in CARDI already harvested, finished data collection and finalized raw data entering. 1 trial in Kampong Cham and 1 in Takeo are at maturity stage, some agronomic data were collected, and early maturity genotypes were harvested for grain related-trait evaluation. All trials were started from 07 August 22 to 26 August 22 in Kampong Cham and Takeo at maturity stage.
 - 10 OFAT trials in Takeo were harvested and finished data collection. Farmers preferred line No. 1 (55-18-40-17-B-B) over check varieties. 5 trials in Kampong Cham were already harvested and another 5 trials are at maturity stage. The trial in Kampong Cham are expected to complete at the end of December.
 - The training was done since October, 2022 such as training of farmers group on best management practice (BMP) of rice, cassava, and maize production and Training of farmer groups on rice seed production techniques and follow up (RSPT&FU) until October, 2022 are ended. During the reporting period, training BMP-Rice=20, BMP-

Cassava=10 and BMP-Maize=10 and training Rice seed production technique and follow up=12 with total participants 1300/female 619).

- Breeder and Foundation rice seed: During December reported, Both BS and FS of PRD, PMD, and CAR16 were already harvested, threshing and cleaning and being stored in cool room in CARDI.
- Farmer field day, at field experiment: One field day event was conducted on 09 December 2022 in Kampong Cham province. Another one field day will be held in late December 2022 in Kampong Cham province. Sub-target 2.a.2: Conducting on-field rice seed production demonstration.

Sub-target 2.a.2: Conducting on-field rice seed production demonstration

75. In the AWPB 2022 CARDI and PPIUs are scheduled to train 90 key farmers for seed production demonstration (climate-resilient variety) across the 4 target provinces. During the reporting, all key farmers for seed demonstration in target provinces were followed up under coaching by IA-CARDI, CS2 specialist and PPIUs on the field in growing states of rice plant such as, reproductive period(panicle initiation, booting stage and flowering stage) and Ripening period(milk stage, dough stage and mature stage) across target province as stated in table II.10. During the reporting period (October-December 2022), the main result of achievement of key farmer selection for rice seed production demonstration for wet season as the following:

- Total location of demonstration in 4 target provinces were 47villages, 37 communes and 18 districts.
- Total key farmers selected were 90/47 females.
- Total seeds suggestion was 55 PRD, 26 PMD and 9 CAR-16.
- Total number of seeds delivery to key demonstration farmers were 795kg of PRD, 390kg of PMD and 165kg of CAR-16.
- Total number of sowing of rice seed demonstration 90/90 demos.
- Total number of transplanting of rice seed demonstration 90/90 demos.
- 90 Harvested for demos rice seed (CAR16, PRD and PMD) that 24 demos in Takeo, 23 demos in Kampot, 21 demos in Kampong Cham and 22 demo in Tboung Khmum provinces with average yield is 3,810 kg/ha.

Table II.10: Update rice seeds demo farms progress per December 2022

N	Location of Demo				# of Key of Famer	Areas (m2)	Seed suggestion			# of Seed (Foundation seed)		
	Province	# of district	# of Commune	# of Village			PRM	PMD	CAR-16	PRM (kg)	PMD (Kg)	CAR-16(Kg)
1	Takeo	7	19	16	24/8f	120,000	10	9	5	150	36	75
2	Kampot	4	7	10	23/11f	115,000	17	5	1	255	75	15
3	Kampong Cham	4	8	10	21/16f	105,000	16	3	2	240	45	30
4	Tboung Khmum	3	9	11	22/12f	110,000	12	9	1	150	135	45
Total		18	37	47	90/47f	450,000	55	26	9	795	390	165

76. In the AWPB2022 the project planned to conduct on-farm rice seed production demonstration for 90 plots with approximately of 45 hectares (average size of each plot is 0.5 hectare) across target provinces as stated in table10b. During the reporting period (October-December), main achievement as the following:

- Total plots for rice seed demonstration were 28.51ha=90 demos.

- Total number of seeds sowing in the fields were 90 sowing (that 55 PRD, 26 PMD and 9 CAR-16 in nurseries plots).
- Total number of transplanting were 90demos that 55 PRD, 26 PMD and 9 CAR-16.

Table II.11: Update Demo farm demonstrations per December2022.

N	Province	Areas (ha)	Seed sowing				Transplanting			
			PRM	PMD	CAR-16	Total	PRM	PMD	CAR-16	Total
1	Takeo	12	10	9	5	24	10	9	5	24
2	Kampot	11.5	17	5	1	23	17	5	1	23
3	Kampong Cham	10.5	16	3	2	21	16	3	2	21
4	Tboung Khmum	11	12	9	1	22	12	9	1	22
Total		45	55	26	9	90	55	26	9	90

Sub-target 2.a.3: Conducting on-field cassava seed production demonstration

77. AWPB 2022, the project in cooperation with Department of Industrial Crop/GDA and PPIUs in kampong Cham and Tboung Khmum provinces planned 30 cassava seed production demonstration in Kampong Cham and Tboung Khmum province to assess quality planting material for further cassava production at those areas.
78. Three cassava planting materials used for this demonstration (i) Rayon-9, (ii) 81, (iii) Hauy Bong. During the reporting, the demonstration plots was harvested as stated in table 11 bellow:
 - Total location of Cassava seed demonstration in 2 target provinces were 15villages, 11 communes and 7 districts.
 - Total key farmers selected were 30/17 females.
 - Total number of cassava varieties for demonstration and planting were 30 demos that 26 of variety81, 01 of variety Rayon-9 and 3 variety of Hauybong-60.
 - Total number batch of cassava delivery that PPIUs get from high land crop conservation at Bos Khnor Centre provided to key demonstration farmers were 9000 batch of variety81, 300 batch of variety Rayon-9 and 900 batch of variety Hauybong-60.

Table II.12: Update progress of Cassava demonstration by December 2022

N	Location of Demo				# of Key of Famer	Areas (ha)	Number of demo/planting(ha)				Provided cassava's batch to key farmers			
	Province	# of district	# of Commune	# of village			81	Rayon-9	Hauybong-60	Total	# 81 (batch)	# Rayon 9 (batch)	#Hauybong-60 (batch)	Total (batch)
1	Kampong Cham	2	3	6	15/8f	15	-	-	15	4,500	-	-	4,500	
2	Tboung Khmum	5	8	9	15/9f	15	1	3	15	3,300	300	900	4,500	
Total		7	11	15	30/17f	30	26	1	3	30	7,800	300	900	9,000

79. The AWPB 2022 includes the activity to identify 45 maize demonstration plots (average 22.5 hectare) across target provinces to conduct seed on farm maize seed production demonstration. During the reporting period, main achievement as the following:

- Total location of maize seed demonstration in 4 target provinces were 23 villages, 14 communes and 8 districts.
- Total key farmers selected were 45/17 females.
- Total maize varieties for demonstration were 45 of varietyCHM-01(from Banteay Dek).
- Total maize planting were 25 demos/45demos of varietyCHM-01(from Banteay Dek) only.
- 24 demos harvested, that 10 demo in KCM,12 demo in TBK and 2 demos in Takeo with average yield 4757kg/ha.
- 8 demos just planting in late November with variety CHM-01(that 6 demo in TBK and 2 demos in KPC).

Table II.13: Update Progress of Maize demonstration per December 2022

N	Location of Demo				# of Key of Famer	Areas (ha)	Number of demo by variety			Provided #kg of maize to key farmers		
	Province	# of district	# of Commune	# of village			CHM01	White corn CM1	Total	CHM01	White corn CM1	Total
1	Takeo	2	4	5	5/2f	2.5	3	2	5	45	30	75
2	Kampot	2	3	5	7/2f	3.5	0	7	7	0	105	105
3	Kampong Cham	2	4	9	15/4f	7.5	15	0	15	225	0	225
4	Tboung Khmum	2	3	4	18/9f	9	18	0	18	270	0	270
Total		8	14	23	45 / 17f	22.5	45	0	45	540	135	675

Sub-target 2.a.4: Laser Land levelling of 4,000 hectares and demonstration through procurement

80. The project, in collaboration with institutions such as IRRI, Agriculture Engineering and Machinery, will support laser land levelling up to 4,000 ha (approximately 1,000 ha per province) to improve water use efficiency and enhance crop yields in selected climate resilient irrigation and water management systems supported by the project 1. The laser land levelling, including an orientation on basic tractor operation and laser leveling equipment troubleshooting, will also serve as a training exercise for potential service providers.
81. The AWPB 2022 includes the activity to conduct laser land levelling in a total of 500 hectares of paddy field across target provinces. The paddy fields will be selected from irrigation schemes were supported by the project and where FWUCs has been established. During the previous reporting period main result of achievement as the following:
- Identified 07 new irrigation scheme for possibility of laser land levelling in project area that 2 schemes in Takeo, 2 schemes in Kampot, 2 schemes 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 being preparing by CS1 and in consultation with CS2 and procurement unit of PMU.

Table II.14: Update Progress of paddy selection for land levelling per December 2022

N	Activities	Province names	Unit	Annual Target 2022	Actual progress in Dec 2022	Cumulative progress by 2020- 2022	Total households	Total women
1	Identification land for laser levelling	TAK	ha	125	0	125.89	935	397
2		KPT	ha	125	0	67.99	467	260
3		KCM	ha	125	0	166.40	730	258
4		TBK	ha	125	0	58.30	646	302
Total			ha	500	0	418.58	2,778	1,227

82. For the first 8 subprojects for Laser land leveling for 400 Ha, the bidding document have been drafted by CS01 and submitted to PMU procurement officer on the 24 th Aug 2022 for further action.

Activity 2.b: Strengthening capacity in climate friendly production and technologies

83. This activity, the project will support the deployment of a farmer-oriented training program reaching to at least 40,000 farmers (16,000 women) trained on (i) CSA and business development skills, (ii) 50% of 40,000 farmers trained on SRP; (iii) 20% of 40,000 farmers trained on farm mechanization and agricultural conservation; and (iv) 500 mango farm's owners trained on CamGAP standard and compliant for exportation, and 500 FWUCs/FWUGs representatives trained on O&M on their irrigation schemes and on irrigation service fee management.

Sub-target 2.b.1: Training of 20,000 farmers in Climate-Smart Agriculture (CSA)

84. In the AWPB 2022 a total of 6 refresher ToT trainings and 2 field monitoring for technical support or backstopping of GDA on training of farmers on SRP and CSA are planned. There were 2 ToT refresher training such as refresher training of trainers (ToT) on CSA for provincial trainers, refresher training of trainers on SRP for provincial trainers and 2 field monitoring on technical support or backstopping of GDA on training of farmers on SRP and CSA were conducted during the reporting period that responsible and organize by GDA. During the reporting, main result of achievement as the following:

- Prepared work plan for refresher TOT training program with IA-GDA.
- Prepared concept note and budget breakdown for TOT training program.
- Most of training of farmers activities was conducted by 4 PPIUs in the target provinces.

Table II.15: Update of TOT Training and technical backstopping of IA-GDA per Dec 2022

N	Activities	Province names	Unit	Ann. Target 2022	Actual Progress in Oct-Dec 2022	Cumulative by Dec 2022
1	Refresher ToT on CSA	4 PPIUs	Person	16		26
2	Refresher ToT on SRP	4 PPIUs	Person	16		22
3	Refresher ToT on CamGAP	4 PPIUs	Person	16		18
4	Refresher ToT on Agri - machinery O&M	4 PPIUs	Person	16		22
5	TOT on ACs bookkeeping	4 PPIUs	Person	16		22
6	TOT for Contract farming	4 PPIUs	Person	16		21
7	Technical support or backstopping of GDA on training of farmers on SRP and CSA	4 PPIUs	Person	800	542	1,472
Total				896	542	1,603

Training to farmers

85. In AWPB 2022, a total of 80 training farmers (Kampot-20; Takeo-20; Tboung Khmum-20; Kampong Cham-20) on climate smart agriculture (CSA) sre planned. The trainings are required to be conducted at the community level with 30 trainees and 1,500 US dollars per training. The training course was mainly centered on CSA with certified seed of the rice, maize and cassava. During the reporting, main result of achievement as the following:

- PPIUs prepared training materials and work plan for farmer training.
- PPIUs prepared the concept note and budget breakdown for training activities.
- The training of farmer activities was conducted by 4 PPIUs in the target provinces.

Table II.16: Update of Number of farmers trained in CSA by December 2022

N	Activities	Province names	Unit	Annual Target 2022	Actual Progress in Oct-Dec 2022	Cumulative by Dec 2022
1	Training of farmer on CSA for rice, cassava and maize	TAK	Person	1,020	2,700	3,780
2		KPT	Person	1,680	960	3,120
3		KCM	Person	1,170	2,070	4,200
4		TBK	Person	630	1,201	3,687
Total				4,500	6,931	14,787

Sub-target 2.b.2: Training of 20,000 farmers in agribusiness skills (ABS)

86. In the AWPB 2022 the project planned 160 training courses for Training of ACs boards on ACs business development in target provinces. The training focused on (1) Leadership and management, (2) business plan and entrepreneurship, (3) Simple bookkeeping and accounting, (4) Annual report writing, (5) basic principle of ACs marketing; and (6) contract farming that led and implemented by PPIUs with participant at least 25 persons, costed of 1,500 US dollars per training. The training allocated to each target provinces such as: Kampot-40, Takeo-40, Tboung Khmum-40, and Kampong Cham-40 trainings courses. During reporting period, main result of achievement as the following:

- PPIUs prepared training materials and work plan for farmer training.
- PPIUs prepared the concept note and budget breakdown for training activities.
- The training of farmer activities was conducted by 4 PPIUs in the target provinces.

Table II.17: Update Number of farmers trained in business development skills December 2022

N	Activities	Province names	Unit	Ann. Target 2022	Actual Progress in Oct-Dec 2022	Cumulative by Dec 2022
1	Training of ACs board on management & agribusiness	TAK	Person	550	0	200
2		KPT	Person	550	0	500
3		KCM	Person	550	0	1,000
4		TBK	Person	550	650	1,100
Total				2,200	650	2,800

Sub-target 2.b.3: Training of Output of 20,000 farmers in Sustainable Rice Platform (SRP)

87. In the AWPB 2022 the project planned total of 75 training courses for farmers on Sustainable Rice Platform (SRP). The training allocated to each target province as the following: Kampot-20; Takeo-15; Tboung Khmum-25, and Kampong Cham-15 trainings courses. The trainings required to be conducted at the community level with at least 30 farmers/trainees per course with costed of 1,500 US dollars per training cycle. The training allocated to each target provinces such as: Kampot-20, Takeo-15, Tboung Khmum-25, and Kampong Cham-15 trainings courses. The courses focus on the rice cultivation in complying with affordable SRP performance indicator. During the reporting period, main result of achievement as the following:

- PPIUs prepared training materials and work plan for farmer training.
- PPIUs prepared the concept note and budget breakdown for training activities.
- The training of farmer activities was conducted by 4 PPIUs in the target provinces.

Table II.18: Update Number of farmers trained on sustainable rice platform by December 2022

N	Activities	Province names	Unit	Ann. Target 2022	Actual Progress in Oct-Dec 2022	Total 20220 - 2022
1	Training of farmer on SRP for rice, cassava and maize cultivation	KPT	Person	600	720	4,200
2		TAK	Person	450	2,130	3,120
3		TBK	Person	750	1,851	4,183
4		KCM	Person	450	630	3,159
Total				2,250	5,331	14,662

Sub-target 2.b.4: Training for 500 farmers in CamGAP for Tropical Fruit (Mango)

88. AWPB 2022, the project planned 10 training courses for mango farmers on CamGAP compliant; and allocated each province such as Kampot-2, Takeo-3, Tboung Khmum-3, and Kampong Cham-2 courses. The training course was done with only any farmer growing mango under target of Agriculture Cooperatives (ACs) or community of CFAVC project. These trainings led by the PPIUs with participant at least 25 farmers, costed US 1,500 per training. During the report, main result of achievement as the following:

- PPIUs prepared training materials and work plan for farmer training.

- PPIUs prepared the concept note and budget breakdown for training activities.
- The training was conducted in Kampot and Tboung Khmum during reporting period.

Table II.19: Summary of farmers trained in CamGAP for Mango by October-December 2022

N	Activities	Province names	Unit	Ann. Target 2022	Actual Progress in Oct-Dec 2022	Total 2020 - Dec 2022
1	Training of farmers on CamGAP compliant for Mango	KPT	Person	50	100	250
2		TAK	Person	75	0	0
3		TBK	Person	75	375	375
4		KCM	Person	50	0	0
Total				250	475	625

Sub-target 2.b.5: Training on farm mechanization and agriculture conservation

89. In the AWPB 2022, the project planned 96 training courses to target AC and farmer group on use of agriculture machinery including O&M. The training focus on topic: (1) Storage unit operation, (2) Laser land levelling, (3) O&M of agricultural machinery, (4) Agricultural production conservation system, and (5) post-harvest technology. The training allocated to each target: Kampot (24 courses), Takeo (24 courses), Tboung Khmum (24 courses), and Kampong Cham (24 courses). The training led and implemented by PPIUs with participant at least 25 farmers, costed of 1,500 US dollars per training. During the report, main result of achievement as the following:

- PPIUs prepared training materials and work plan for farmer training.
- PPIUs prepared the concept note and budget breakdown for training activities.
- The training of farmer activities was conducted by 3 PPIUs in the target provinces such as Kampot, Takeo and Tboung Khmum during the reporting period.

Table II.20: Update Number of farmers trained in farm mechanization by December 2022

N	Activities	Province names	Unit	Ann. Target 2022	Actual Progress in Oct-Dec 2022	Cumulative 2020- 2022
1	Training farmer groups of farm mechanization agriculture conservation	KPT	Person	600	100	300
2		TAK	Person	600	100	200
3		TBK	Person	600	200	350
4		KCM	Person	600	0	400
Total				2,400	400	1,250

Activity 2.c: Establishment of 27 FWUCs, FWUGs made full operation and 500 FWUCs/FWUGs equipped with capacity on operation and maintenance their irrigation scheme

90. Under this activity for all 27 irrigation schemes which are rehabilitated and made climate resilient FWUCs will be established and at least 500 FWUC/FWUG representatives will have been trained to be able to operate and manage their irrigation schemes. The implementation of this program is similar to the implementation of the irrigation scheme program, or AWP 2020 9 schemes, AWP 2021 8 schemes and AWP 2022 10 schemes.

Sub-target 2.c.1: Establish 27 FWUCs and made full operation

91. So far activities still focus on the 27 schemes from October to December in AWP 2022. During

the reporting period the following activities were implemented:

- To make the official announcement for Prey Kdouch irrigation scheme consisted of 84 Participants of whom 32 were women;
- Meeting with beneficiaries on demarcate of Prey Rumdeng irrigation scheme consisted of 78 participants of whom 31 were women;
- 6 FWUCs and 4 FWUGs proposal writing;
- 2 FWUC Group leaders and 1 FWUG leader were paused during the DFWUC team were busy with their duties;
- Official announcement to adapt the FWUC statute of Kraing Ampil irrigation scheme consisted of 61 participants of whom 25 were women;
- Meeting to review the Prey Rumdeng FWUC representatives with PDOWRAM and local authorities consisted of 46 participants of whom 6 were women;
- FWUCs and FWUGs proposal submission;
- Meeting with local authorities and beneficiaries on the drafted FWUC statute aimed at to formally recognize for adaptation of Prey Rumdeng irrigation scheme consisted of 198 participants of whom 73 were women;
- Elected FWUGs for Tbong Damrei irrigation scheme consisted of 36 participants of whom 7 were women;
- Elected FWUGs for Kampong Raing irrigation scheme consisted of 31 participants of whom 15 were women;
- Meeting to elect the FWUC committees of Tbong Damrei scheme consisted 61 of whom 12 were women.

Table II.21: Update FWUCs establishment per December 2022

N	Scheme	Province	AWP	Cumulative Progress By December 2022	Explanation If any
1	Trapeang Run	Kampot	2020	100%	Completed all steps
2	Takoch			100%	Completed all steps
3	Toul Pring	Tbong Khnum		100%	Completed all steps
4	Ta Kem	100%		Completed all steps	
5	Trapeang Tros			100%	Completed all steps
6	Tboung Damrei			63%	Completed step 6.1
7	Kampong Raing			63%	Completed step 4.2
8	Trapeang Beung	Kampot	2021	88%	Completed step 7
9	Kandoal	88%		Completed step 7	
10	5 Kompheak	Kampong Cham		100%	Completed all steps
11	O'Kamprok			100%	Completed all steps
12	Pou Tatress			88%	Completed step 7
13	Prey Kdouch	Takeo		88%	Completed step 7
14	Kraing Ampil			88%	Completed step 7
15	Plov Touk			100%	Completed all steps
16	Kwaeng Tayee			100%	Completed all steps
17	Prey Rumdeng			40%	Completed step 1
18	Bravoek Pong	Kampot	2022	Already studied	- Already designed; - Detailed costs for these 10 FWUCs and FWUGs estimated and will submit to PMU-ADB MOWRAM project director for approval.
19	Choam Taheung	Tbong Khmum			
20	Trapeang Ampil				
21	Teuk Chhar West	Kampong Cham			
22	Teuk Chhar East				
23	Sdok Sab				
24	Ta Oum				

N	Scheme	Province	AWP	Cumulative Progress By December 2022	Explanation If any
25	Prolay No. 42	Takeo			
26	Prolay No. 94				
27	Pou Tasuy				

Sub-target 2.c.2: 500 FWUC developed capacity to O&M their irrigation systems

92. The sub-target deeper focus on capacity development for at least 500 FWUCs/FWUGs representatives on O&M to their irrigation systems and irrigation service contributions management. During the reporting, main result of achievement as the following:

Table II.22: Update of Training of FWUC representatives in O&M of their irrigation systems

N	Activities	Province names	Unit	Annual Target 2022	Actual progress Oct-Dec 2022	Cumulative progress by Dec 2022			Explanation if any
						# co	Total	Fem.	
1	Administrative Tasks	TAK	Course	5	1	5	204	43	
2		KPT		4	0	4	151	40	
3		KCM		3	0	3	110	30	
4		TBK		2	0	0	0	0	
Total				14	1	12	465	113	
5	Communication skills	TAK	Course	5	1	5	204	43	
6		KPT		4	0	4	149	39	
7		KCM		3	0	0	0	0	
8		TBK		2	0	0	0	0	Not started yet
Total				14	1	12			
9	Financial management/ book keeping	TAK	Course	5	5	5	204	35	
10		KPT		4	4	4	149	39	
11		KCM		3	0	3	89	22	
12		TBK		2	0	0	0	0	
Total				14	9	12	442	96	
13	Irrigation Service fee calculation	TAK	Course	3	3	3	103	32	
14		KPT							
15		KCM		3	3	3	124	41	
16		TBK							
Total				6	6	6	230	73	
17	Planning	TAK	Course						
18		KPT		4	4	4	151	42	
19		KCM							
20		TBK							
Total				4	4	4	151	42	
21	Minute taking and report writing	TAK	Course						
22		KPT		4	4	4	127	38	
23		KCM							
24		TBK							
Total				4	4	4	127	38	
25	Conflict resolution	TAK	Course						
26		KPT		4	4	4	151	40	
27		KCM							
28		TBK							
Total				4	4	4	151	40	
Grand Total				57	23	51	1918	497	

Activity 2.d: Rehabilitation of 4 PADCs

93. For the 3 PADCs of AWP 2022 the 3 contract PADC training building with contract value of \$282,431.93 with physical construction progress 100% completed.
94. For the last PADC in Kampot province, the bid preparation not yet done due to the subproject not in the approved procurement plan. The PMU needs to updated procurement plan and request ADB NOL prior to bidding process).

Activity 2.e: Rehabilitation of 4 Agricultural Workshops

95. For the 3 Mechanization Workshops of AWP 2020 the physical works with a contract value of \$186,530.61 the physical construction progress is 100% completed
96. For the fourth subproject for MEW Takeo, the bid preparation not yet done due to the subproject not in the approved procurement plan.

II.3. Output 3: Enabling Environment for Climate Smart Agri-business enhanced

97. Under this output, the project will invest in the creation of an enabling policy and regulatory environment for agribusiness; the identification of opportunities for private sector engagement in climate change mitigation and adaptation and the provision of an improved climate information service to allow farmers to plan their cropping season. This output is supported by three main activities (i) formulating climate friendly agribusiness policy and standards (ii) promoting green finance and risk sharing mechanisms; and (iii) supporting climate risk management through information and communication technologies (ICT) that is not under CS2 contract. This will direct report by CS4 package whenever CS4 recruited.

Activity 3.1: Formulating climate friendly agribusiness policy and standards

98. The DMF targets for this activity are “3a. Climate-smart and gender-responsive agribusiness policy for target commodities, including a PPP framework focusing on agribusinesses formulated”, “3b. CAMGAP for tropical fruit and organic fertilizers endorsed as national standard for tropical fruit and organic fertilizers”; “3c. 50 staff, including 30% women, from financial institutions trained in CSA and green finance”; “3d. 30 agribusiness, including 30% women-led and or owned, trained on green finance and CSA”; “3e. 20,000 households, including 20,000 women, provided with information on climate risk sharing instrument”; 3f. ICT platform for climate friendly agribusiness established in Kampong Cham province”.
99. During the reporting period, the team 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 as follows;

Sub Target 3.a.1: Gender Responsiveness Agribusiness Policy for target commodities, including a PPP framework focusing on agribusiness formulated

100. CS2 have been liaising with the DoPS and the DoAI. These departments of MAFF have not yet decided if the CFAVC project should support the development of separate policies for individual commodities or an overall policy framework for Agribusinesses building on the existing Industrial Development Policy 2015 to 2025. If MAFF wishes for support on individual commodity policies, CFAVC will work on suggesting improvements to the existing Rice and Cassava policies and on developing policies for Mango and Maize. The TOR that has been proposed for the Policy Study assume that CFAVC will assist MAFF to develop individual commodity policies. The TOR will need to be changed if MAFF wishes support for an overall agribusiness.

Table II.23: Update Progress of GR Agribusiness Policy formulation by December 2022

N	Activities	Institutions	Unit	Annual Target 2022	Actual Progress in Oct-Dec 2022	Cumulative Progress By Dec 2022
	TOR draft	DPS	TOR	1	0	0.25

Sub-target 3.a.2: PPP framework development

Table II.24: Update Progress of PPP-framework by December 2022

N	Activities	Institution	Unit	Annual Target 2022	Actual Progress in Oct-Dec 2022	Cumulative Progress By Dec 2022
1	Draft of PPP framework	DPS	Framework	0.2	0	0
2	Draft ToR for FS for Mango	DPS	ToR	0.10	0.05	0.05
3	Draft TOR for FS on Maize	DPS	ToR	0.10	0.05	0.05

Additional, crop centric forum between producer groups and private partnership

101. During the reporting period, 2 crop centric forum on Rice and Cassava and other 4 Legal farming contract signing consultation forum on Cassava, Rice, Maize contract farming organize and conducted as the following:

- July-September developed and finalized the Producer Group Establishing Guideline with IA- GDA.
- July-September cooperated with PPIU and IA-GDA identified 25 potential Agriculture Cooperatives of four target provinces for year 2023 implementing. Total of 544 participants, were 36 women of 22 potential ACs during a meeting period.
- October-December 2022, PMU technical Team have cooperated with PPIU and IA-GDA selected 86 totally of the potential Agriculture Cooperatives with 11,071 AC members (5,969 female members) from 2020 to 2023:
 - For 2020: 20 ACs Partner with 3,772 AC members (2,061 Female members), AC Management Team 159 totally (48 Female); 12 Grain/Rice Storages (100T), 5 Rice Seed Storages (50T), 0 Maize Storage, 3 Cassava Storages (200T).
 - For 2021: 35 ACs Partner with 4,510 AC members (2,562 Female members), AC Management Team 258 totally (76 Female); 20 Grain/Rice Storages (100T), 10 Rice Seed Storages (50T), 0 Maize Storage, 5 Cassava Storages (200T).
 - For 2022: 25 ACs Partner with 2,285 AC members (1,058 Female members), AC Management Team 204 totally (42 Female); 20 Grain/Rice Storages (100T), 2 Rice Seed Storages (50T), 1 Maize Storage, 2 Cassava Storages (200T).
 - For 2023: 6 ACs Partner with 504 AC members (288 Female members), AC Management Team 50 totally (20 Female); 5 Grain/Rice Storages (100T), 1 Rice Seed Storages (50T), 0 Maize Storage, 0 Cassava Storage (200T).

Target 3.b CAMGAP for tropical fruit and organic fertilizers endorsed as national standard for tropical fruit and organic fertilizers

102. The expected results of the sub-target by 2024 will be as follows: (i) CSA policy drafted and reviewed by MOC and MAFF and jointly endorsed by both ministries; (ii) Guidance manuals for climate neutrality and adaptation standards for agribusiness operations developed; (iii) Climate-

friendly SRP becomes more widely utilized with eight of the largest Cambodia millers/exporters being part of the Alliance; (iv) CAMGAP for tropical fruit standard drafted and becomes a Cambodia Standard with Cambodia standard mark; and (v) Standards developed for organic fertilizers, (vi) IDP strategies for climate friendly agribusiness developed.

Sub-target: 3.b.1: Drafted Climate Smart Agriculture Policy

103. The Project will support MAFF to develop a Climate Smart Agriculture Policy based on experience of promoting CSA during Project implementation. This will necessarily be completed in the final years of the Project. Again, care needs to be taken to find out if any work on this has already been done by other donors (USAID, World Bank, FAO, IFAD, France and others) so as not to re-invent the wheel. During the reporting there were no activities.

Table II.25: Update progress CSA Policy Development by December 2022

N	Activities	Institutions	Unit	Annual Target 2022	Actual Progress in Oct-Dec 2022	Cumulative Progress By Dec 2022
	Draft ToR	DPS	ToR	1	0	0
	Draft policy	DPS	Policy	0.5	0	0

Sub-target 3.b.2: Developed Guidance Manuals for Climate Neutrality and Adaptation Standards for Agribusiness Operations

104. The Project will support MAFF to develop guidance manuals for Climate Neutrality and Adaption Standards for Agribusiness based on experience of promoting CSA during the Project implementation. This will necessarily be completed in the final years of the Project.

Table II.26: Update Progress of Guidance Manuals and Adaption Standards by December 2022

N	Activities	Institutions	Unit	Annual Target 2022	Actual Progress in Oct-Dec 2022	Cumulative Progress By Dec 2022
	Draft Guidance Manuals	DPS	Manual	1	0	0

105. The expected results of the sub-target by 2024 will be as follows: (i) CSA policy drafted and reviewed by MOC and MAFF and jointly endorsed by both ministries; (ii) Guidance manuals for climate neutrality and adaptation standards for agribusiness operations developed; (iii) Climate-friendly SRP becomes more widely utilized with eight of the largest Cambodia millers/exporters being part of the Alliance; (iv) CAMGAP for tropical fruit standard drafted and becomes a Cambodia Standard with Cambodia standard mark; and (v) Standards developed for organic fertilizers, (vi) IDP strategies for climate friendly agribusiness developed.

Sub-target: 3.b.1: Drafted Climate Smart Agriculture Policy

106. The Project will support MAFF to develop a Climate Smart Agriculture Policy based on experience of promoting CSA during Project implementation. This will necessarily be completed in the final years of the Project. Again, care needs to be taken to find out if any work on this has already been done by other donors (USAID, World Bank, FAO, IFAD, France and others) so as not to re-invent the wheel. During the reporting, main result of achievement as the following:

Table II.27: Update Progress of CSA Policy Development by December 2022

N	Activities	Institutions	Unit	Annual Target 2022	Actual Progress in Oct-Dec 2022	Cumulative Progress By Dec 2022
	Draft ToR	DPS	ToR	1	0	0
	Draft policy	DPS	Policy	0.5	0	0

Sub-target 3.b.2: Developed Guidance Manuals for Climate Neutrality and Adaptation Standards for Agribusiness Operations

107. The Project will support MAFF to develop guidance manuals for Climate Neutrality and Adaption Standards for Agribusiness based on experience of promoting CSA during the Project implementation. This will necessarily be completed in the final years of the Project.

Table II.28: Update Progress of Guidance Manuals and Adaption Standards by December 2022

N	Activities	Institutions	Unit	Annual Target 2022	Actual Progress in Oct-Dec 2022	Cumulative Progress By Dec 2022
	Draft Guidance Manuals	DPS	Manual	1	0	0

Sub-target 3.b.3: Drafted Standards on CamGAP for Tropical Fruit

108. A CamGAP for mango has already been developed. CFAVC will use CamGAP during training of mango farmers. The national consultant GAP for tropical fruit working with GDA to determine which key tropical fruits with export potential now require CamGAP development. In addition, work on this sub-target has been delayed by the failure to mobilize a National GAP for Tropical Fruit Specialist (NGAP), who would take primary responsibility. The national consultant GAP for tropical fruit mobilized during February 2022. During the reporting, main result of achievement as the following:

- Prepared work plan for working with involved department.
- Review existing and relevant documents with GDA focal person.
- Meeting and discussion with Staff of Plant Protection and Phytosanitary drafting activities to review related to GAP standard and guideline on Mango.
- Reviewed relevant existing document on GAP standard and practical guideline in harmonize with ASEAN GAP standard.
- Prepared monthly as word and DMF, excel file and Quarterly report and submitted report to International Expert GAP, CSA, SRP and DTL.
- To meet (KII: Direct and Indirect) with relevant stakeholders within vegetable and mango supply chain in order to collect information of their lesson learnt, Challenges, and their primary solution suggestion. Then, prepared summarized reports to submitted and presented to International Expert GAP, CSA, SRP and DTL for take consideration and continuing working to support GDA in identifying prioritized commodity and doing draft action plan on CAMGAP.
- To work closely with relevant department of GDA and DTL to develop AWBP 2023 and doing in budget breakdown.

Table II.29: Update Progress of Development of CamGAP for Tropical Fruit by December 2022

N	Activities	Institutions	Unit	Annual Target 2022	Actual Progress in Oct-Dec 2022	Cumulative Progress by Dec 2022
	CamGAP for tropical fruit	GDA	Standard	1	0.5	0.5

109. GDA, himself have conducted internal technical meeting to finalize on CAMGAP Mango Production and access with relevant stakeholders IFC, GIZ... to identify any lesson learnt before holding workshop endorsement which will suspend to conduct the next year of 2023.

Sub-target 3.b.4: Drafted Standards on Biofertilizer and Organic fertilizer

110. To ensure the high quality of commercial products for biofertilizer and organic fertilizer on the market appropriately tested through the quality criteria provided while ensuring that farmers obtain only certified products and as well as aid the industry in the manufacture of quality of biofertilizer and organic fertilizer. These standards will also promote the safe use of biofertilizer and organic fertilizer through production chains and promote fair trade. During the reporting period, main result of achievement as the following:

- Review reliable reference the law of the management of pesticide and fertilizer (2012) and existing relevant regulation under the law as well as international standard for biofertilizer and organic fertilizer.
- Review reliable refence from different courses and compile to develop a draft of national biofertilizer, Organic fertilizer and Development of Standard Operation Procedure (SOP) for quality testing of organic fertilizer and biofertilizer in Cambodia.
- Reviewed existing technical working group (TWG) of GDA to provide internal consultation discussion on the draft of national biofertilizer specification for Cambodia.

Table II.30: Update Development standard of Biofertilizer development by December 2022

N	Activities	Institution	Annual Target 2022	Actual Progress in Oct-Dec 2022	Cumulative Progress by Dec 2022
1	National standards of biofertilizer	GDA	1	0.25	0.75
2	Development of Standard Operation Procedure (SOP) for quality testing of biofertilizer.	GDA	1	0.50	0.75
3	National Standard of Organic fertilizer	GDA	1	0	0.25
4	Development of Standard Operation Procedure (SOP) for quality testing of organic fertilizer	GDA	1	0	0.25

Sub-target 3.b.5: Development of IDP Strategies for climate friendly agribusiness

111. Driven by its long-term vision toward 2030, particularly as expressed in the “**Rectangular Strategy – Phase III**”, the Royal Government of Cambodia (RGC) has prepared and adopted this “**Industrial Development Policy**” as a guide to promote the country’s industrial development that will help maintain sustainable and inclusive high economic growth through economic diversification, strengthening competitiveness and promoting productivity.

112. CFAVC will integrated the activities to existing IDP by conducting the workshop on dissemination and integration of Agro-Industry Development Plan in Cambodia 2019-2030 connected to IDP with total of participant is 44 of which 7 are women and link with Agro-Industrial Development

Strategies for 2019-2030 (AIDS) based on Project implementation experience. During the reporting, result of achievement as the following:

Table II.31: Update Development of IDP Strategies by December 2022

N	Activities	Institutions	Unit	Annual Target 2022	Actual Progress in Oct-Dec 2022	Cumulative Progress by Dec 2022
	National IDP strategy	DPS	Strategy	1	0	1

Sub-target 3.b.6: National Policy and Standards on Biodigester Development

113. The International Biodigester Standards Specialist (IBD) developed a review and recommendations on the Farmer's Friend biodigester during his first input in 2019. These are sufficient to start a consultation process on a national standard. GDAH is interested in a single national standard for all biodigesters. This will be hard to achieve because the biodigesters marketed by the Private Sector operate in very different ways to the Farmer's Friend. A single national standard will either be ineffective to maintain standards or too strict to allow registration of different types of biodigesters. Supports from the project, GDAH working with existing technical working group on national policy and standards on biodigester development in Cambodia. During the reporting, result of achievement as the following:

- Supported GDAH to drafted national policy on biodigester development in Cambodia and submitted to the Minister of MAFF for endorsement.
- Supported GDAH to conducted consultative meeting and dissemination workshop with relevant stakeholders on national policy for biodigester development in Cambodia.
- Drafting National standard (norm) on biodigester development in Cambodia.

Table II.32: Update Development National policy and standards by December 2022

N	Activities	Institutions	Unit	Annual Target 2022	Actual Progress in Oct-Dec 2022	Cumulative Progress By Dec 2022
	National standard of biodigester development	GDAH	Standard	1	0	0.30
	National Policy on biodigester development	GDHAP	Policy	1	0	1

Activity 3.2: Promoting green finance and risk sharing mechanism

114. The DMF targets for this activity are "3c. 50 staff, including 30% women, from financial institutions trained in CSA and green finance", "3d. 30 agribusinesses, including 30% women-led and/or owned, trained on green finance and CSA," and "3e. 20,000 households, including 20,000 women, provided with information on climate risk sharing instruments." Furthermore, targets are defined in the PAM or have been requested by MAFF. In particular the requirement to undertake feasibility studies for eight PPP projects as a mechanism to reduce producer risk. During the reporting period, main achievement as the following:

Target 3.c: 50 staff from finance institution trained in CSA and Green finance

115. The green finance specialists will undertake a financial landscape report and key stakeholder analysis to determine the current status of green finance provision in Cambodia and consultation with stakeholders to develop a training program for financial institution staff.

Table II.33: Update Number of staff trained in CSA and GF by December 2022

N	Activities	Province	Unit	Annual Target 2022	Actual Progress in Oct-Dec 2022	Cumulative Progress By Dec 2022
	Staff trained in CSA and Green Finance	TAK	People	13	8	14
		KPT	People	13	8	14
		KPC	People	12	7	13
		TBK	people	12	7	13
Total				50	30	54

Target 3.d: 30 agribusiness trained in CSA and Green finance

116. The green finance specialists will undertake a landscape and key stakeholder analysis to determine the current status of green finance provision in Cambodia and then in consultation with stakeholders (including relevant agribusinesses) develop a training program for agribusiness staff focusing on the benefits of green finance to agribusiness companies. During the reporting, result of achievement as the following:

- The List of selected 30 Agriculture cooperative has been reviewed to matching with PPP target ACs to ensure that they are able to implement the green business project and access to green financing as well.
- Training Need Assessment tools was developed and consulting within the team, Resulting most of ACs representative don't understand on the climate change impact and effect, and green project and planning yet.
- Conducted the training orientation with 4 Agri-culture cooperatives at Takeo and Kampot with 45 participants including 35 are women on the green business, climate change and access to green financing to support their green business.
- The training need assessment on the green financing was conducted with 16 ACs members including 8 are women at 2 ACs at Rub Rum Samky Rongroeuun and Toeuk Kraham Chamroeuun Phal AC at Toeuk Chhor District Kampot Province
- The training material has been developed by the national and international consultant to deliver to ACs, and two training orientation on provide 22 ACs committees/4 women at Basey Rikray and Ordorm Soriya AC, Popel Commune, Tramkok District, Takeo Province.

Table II.34: Update progress Number of agribusiness trained in CSA and GF by December 2022

N	Activities	Province	Unit	Annual Target 2022	Actual Progress in Oct-Dec 2022	Cumulative Progress By Dec 2022
1	Agribusiness training in CSA and Green Finance	TAK	People	8	31	43
2		KPT	People	8	42	57
3		KPC	People	7	30	52
4		TBK	People	7	14	28
Total				30	117	180

Target 3.e: 20,000 households provided with information on climate risk sharing

117. The green finance specialists will determine the status of climate risk sharing instruments, such as crop insurance (it is understood that simple insurance based on weather events is the most likely to succeed), and also an agricultural supply chain adaptation facility and such mechanisms as a warehouse receipt financing scheme may also be considered. Once institutions have been

found to expand such mechanisms into CFAVC target provinces, information leaflets, posters and media advertising will be used to reach at least 20,000 farmers. During the reporting, result of achievement as the following:

- The Project was conducted meeting with Forte insurance to discuss on the project cooperation and policy development relate to crop insurance such as corn, mango, right and casava as well.
- Drafting training material and tool of sharing mechanism.

Table II.35: Update Number of households received information on climate risk sharing implements

N	Activities	Province	Unit	Annual Target 2022	Actual Progress in Oct-Dec 2022	Cumulative Progress By Dec 2022
1		TAK		2,500	0	0
2		KPT		2,500	0	0
3		KPC		2,500	0	0
4		TBK		2,500	0	0
Total				10,000	0	0

Activity 3.3: Support climate risk management through information and communication technologies (ICT)

118. General scope of work support climate risk management through information and communication technologies (ICT) is not the responsibility of CS2 to recruit and manage the CS4 package. Once recruited, CS4 will be responsible for reporting directly on their activities.

119. During the reporting, CS4 package is still recruitment processing by PMU and ADB.

II.4. Updated Disbursement Status

120. Tables III.36 and III.37 show the updated Disbursement status as per 31 December 2022 while Annex 12 shows the disbursement for the 3 involved IAs individually. The total amount disbursed has reached 10.0 % of the total project amount of \$ 141,040,000, while progress over the AWP 2022 is 20.5 %.

Table II.36: Disbursement per Fund Source at 31 December 2022

SOURCE	Budget (Allocation)	Year to date Expenditures 31/Dec/22	Cumulative to date Expenditures 31/Dec/22	Overall Expenditures Rate %	
				2022	Overall
ADB loan	90,000,000	7,289,708	12,564,799	25.8%	14.0%
GCF loan	10,000,000	406,618	494,057	18.1%	4.9%
GCF Grant	30,000,000	1,186,797	1,949,228	20.2%	6.5%
RGC	7,376,000	194,027	625,329	49.0%	8.5%
Beneficiaries	3,664,000	-	-	0.0%	0.0%
TOTAL	141,040,000	9,077,150	15,633,413	24.5%	11.1%

Table II.37: Disbursement per Implementing Agency per 31 December 2022

EAs/ IAs	Budget (Allocation)	Year to date Expenditures 31/Dec/2022	Cumulative to date Expenditures 31/Dec/2022	Overall Expenditures Rate %	
				2022	Overall
PMU-MAFF	57,149,457	5,642,790	11,087,003	41.7%	19.4%
MOWRAM	46,540,936	1,741,181	2,653,418	11.8%	5.7%
MRD	37,349,607	1,693,179	1,892,991	19.1%	5.1%
TOTAL	141,040,000	9,077,150	15,633,413	24.5%	11.1%

II.5. Proposed Revision of Cost Estimate

121. During the November 2021 ADB review mission it was noted that COVID-19 has led to increases in cost of steel, cement, and fuel, with all have potential impacts on overall cost. The Mission requested the team to quantify such costs by comparing with pre-COVID-19 prices by 31 January 2022. This activity has however not been done yet.
122. The Ukraine war, which started late February 2022, has caused a worldwide inflation and increase in energy prices which has also led into a further increase in construction costs for the CFACF project. The impact of these increases are as follows: a) for all tenders which took place before the start of the war with implementation to take place after the start of the war, the contractors will have difficulties to implement the works with the increased construction costs as these contracts do not have an escalation clause and b) for all contracts to be tendered after late February the construction costs will be more than foreseen in the CFAVC costtab.
123. A third matter of concern is that with the 18-month extension of the project the operational costs for the PMU, PPIUs and the CS01 packages will increase. At this moment it is not known where these costs will come from.

III. PROJECT PURPOSES

III.1. Likelihood of Achievement of the Project Outcome(s) and Remedial Measures

III.1.1. COVID-19 Impact

124. Mid-March 2020 the COVID-19 epidemic outbreak in Cambodia and it is still prolonged till late September- 2021 till reporting period, which created a serious negative impact on the implementation of the CFAVC AWPB 2021. Table IV.4 shown the mayor impacts are: a) the Government barred large events, b) Almost a period of second quarter fourth is field work restricted, and c) All international air-travel also restricted.

Table III.1: Covid related Delays in Project Implementation.

EVENTS	IMPACTS
Mobilization of short-term experts	<p>Delayed mobilization of short-term experts mobilized in particular for the CS02 team. 3 national experts (national laboratory coordinator and national biofertilizer production and quality testing specialist, plant tissue culture development specialist, green finance specialist, photo-voltaic specialist mobilized during first semi-annual progress report of 2021). 4 national experts (national laboratory commercialization specialist, GMO-phytotoxin analysis specialist, GAP for tropical specialist and agriculture machinery O&M training specialist mobilized in second semi-annual progress report of 2021</p> <p>There is still left 1 more national specialist recruit and mobilize yet (ISO accreditation compliant specialist).</p>

EVENTS	IMAPCTS
Demobilisation of Experts	International experts not allowed to enter into the country, they are all homebased working for assist to national experts working in country by their areas of expertise. This condition lead difficulties working between national and international experts
Field work	Meeting of staff with PPIU staff, including village meeting, mentoring and coaching are restricted, however for urgent matters virtual discussion by zoom and google meet.
Meeting	Meeting with project staff and other, local authorities, with for internal discussions are restricted. For urgent matters virtual meeting by Zoom are conducted.
Training	Staff and farmer trainings are restricted, however one TOT training on CSA organized by virtual training by GDA.
Workshops	Face to face workshops for national and provincial levels are restricted, however proposed topics/agenda virtual discussion by zoom and google meet

125. Late 2021 the CFAVC project was extended with another 1.5 years as it was not possible to complete the project in the original time-period of 5 years for reasons as shown in Table III.2.

Table III.2: Reasons for the 18 months extension of the CFAVC project.

Output/SubOutPut	Issue	Solution
1 1.a Irrigation and 1.c Farm-roads	<ul style="list-style-type: none"> In-sufficient TA allocations for FS, in particular social screening and DED Delays due to covid travel restrictions 	<ul style="list-style-type: none"> Additional TA resources and contract extensions for CS05 and CS01
1.f renewable energy	Expected farmers contribution too high	Review of farmers contributions
2 2.a Additional climate-resilient varieties of rice and maize released	Not enough time anymore on the project as already 3 years lost with procurement	Project Extension

III.2. Other Project Developments

III.2.1. Renewable Energy targets

126. The PMU and GDAH staff expressed strong concerns on the project's ability to attain the target of 12,000 bio-digesters and 6,000 compost huts due to new developments in the project area, such as (i) the inability of beneficiaries to provide their contribution due to COVID-19 induced economic difficulties; and (ii) limited interest from smallholders to install bio-digesters and compost huts, which in turn is due to decreasing household dependence on bioenergy for cooking and lighting due to rapid expansion of grid electricity into rural areas over the past 3 years and preference of households to use electricity and liquid nitrogen gas cylinders instead of biogas. Other reasons contributing to low demand for bio-digesters include: (i) free supply of 1,500 bio-digesters, including 200 in Kampong Cham and 300 in Tboung Khmum provinces, with grant from the People's Republic of China; and (ii) declining number of livestock held by smallholder farmers due to farm mechanization and income diversification activities. During the ADB review mission the project team was instructed to strive to achieve the original project targets for bio-digesters and compost huts. If it is not feasible, the project should report the achievable target to GCF and its implications for achieving GHG targets for appropriate decision during the mid-term review mission planned for November 2022.

IV. IMPLEMENTATION ARRANGEMENTS

127. MAFF is the executing agency (EA), and MOWRAM and MRD and from MAFF the General Directorate of Agriculture (GDA), Cambodian Agricultural Research and Development Institute (CARDI), the General Directorate of Animal Health and Production (GDAHP), the General Department of Technical Affairs of MOWRAM and the General Department of Technical Affairs of MRD are all implementing agencies (IAs). The Project Steering Committee (PSC), chaired by a MAFF Secretary of State and with representatives (at the level of Under Secretary of State or above) of the MEF, MOWRAM, MRD, Ministry of Commerce (MOC), Ministry of Industry, Science, Technology and Innovation (MISTI) (formerly MIH) and Ministry of Environment (MOE), provides oversight, coordination, and policy guidance in all aspects of project implementation, except land acquisition and resettlement which is the responsibility of the Inter-Ministerial Resettlement Committee (IRC). Staff from PDAFF, PDWRAM, and PDRD from four provinces are central to implement the project effectively.
128. The first PSC meeting was conducted on 26 November 2019 and the second meeting on 28 January 2020, and a third on 10 of March 2022.

V. CONSULTING SERVICES AND PROCUREMENT OF GOODS AND WORKS

V.1. Recruitment and Performance of Consultants

V.1.1. General

129. For the project support there are a total of 5 TA packages with different tasks as shown in Table V.1. While in the initial set-up all 5 TA packages were exclusively under MAFF control, in a recent VO to the CS05 contract there are now 2 national sub-teams, one under MOWRAM for the 1.a irrigation activities and one under MRD for the 1. farm road program.
130. The main package CS01 for Project Implementation is led by Agriconsulting Europe SA (Belgium) and SBK Research and Development Co. Ltd. (Cambodia). The second package CS2 for Capacity Building and Climate Smart Agribusiness, is led by e-Gen Consultants Ltd. (Bangladesh) and SBK Research and Development Co. Ltd. (Cambodia), Okapi Environment Consulting, and International Center for Tropical Agriculture; while the FS & DD CS05 and CS5 Package led by the Resources Development Consultants (Sri Lanka) and CAM-CSTR (Cambodia) were mobilized in late 2019.

Table V.1: Consultants Service Arrangements

Consulting Services Packages		Funded	Tasks	Status as During S1 2022
CS1	Project Implementation Consultants	ADB loan	General Support to Project Implementation, Gender, Environment, Social Safeguards Screening, Review of DED and FS Procurement and Financial Management	Mobilized Late October 2019
CS2	Capacity Building and Climate Smart Agribusiness,	ADB loan	Prepare/Implement all capacity building/training, climate smart and agribusiness activities	Mobilized Mid-September 2019
CS3	Variety Development	GCF grant	Support in development of new rice and maize varieties	Being procured
CS4	Information Communication Technology Platform	GCF grant	ITC support for development of forecasts for weather and agricultural commodities	Recently awarded

Consulting Services Packages		Funded	Tasks	Status as During S1 2022
CS5	Feasibility Study and Detailed Design	ADB loan	For Irrigation and Road projects prepare Feasibility Studies, including all social safeguards screening reporting, DED and tender documents	Mobilized Early November 2019 and demobilized on 01 January 2021 due to lack of remaining TA resources. The CS5 team under the MRD was remobilized on 01 July 2021, and the CS5 team under MoWRAM is under the process consultant mobilization. The PRC report of CS5 team under MRD and CS5 team under MOWRAM is under reviewing by MEF

V.1.2. CS01

131. The CS01 contract is with MAFF but has 3 sub-teams one in each of the 3 implementing agencies, MAFF, MOWRAM and MAFF. Due to the request of PPIU MOWRAM to frontload the available PM for the DTL position in MOWRAM, even though the CFAVC CS05 Feasibility and Design Consultant CS02 was demobilized for most of 2021, was the CS01 DTL MOWRAM expert demobilized mid June 2022 due to depletion of the original 30 PM in the contract. In the previous reporting period July –September 2022 also the available PM of the Senior national DTL in MAFF also had expired while the DTL for MRD resigned, and as a result in this reporting period the CS01 team has operated only with an intermittent TL and no DTs. Annex 13.1 shows the details of the utilization of PM of the CS01 team during this reporting period.
132. In the previous reporting period the PPIU MRD introduced a new requirement that all farm road contract correspondence, including endorsement of invoices, as to be channelled via the CS01 PIC consulting services. The absence of a DTL MRD has resulted in some delays in the processing of this administration.
133. In this previous reporting period have PMU and the CS01 consultant JV agreed on a minor VO.14 to use tender savings. After this VO14 was approved by MEF mid October 2022 it is was sent to ADB for their endorsement. This VO14 does not yet cover for additional inputs in the 18-month project extension.

V.1.3. CS02

134. In the original set-up of the contract does the CS02 have no Team Leader but at contract negotiations it was agreed that the person mobilized for the position of Policy International Policy & Standards (7 pm) would also fulfil Team Leader tasks. As these PM allocations are already used, it is very unfortunate that the CS02 DTL resigned on 01 May 2022 and the position has since not yet been refilled by another expert.
135. The PMU and the consultant have meanwhile agreed on a minor VO to use tender savings. The VO iw as in the previous reporting period after approval by MEF sent to ADB for their approval Annex 13.2 shows the details of the utilization of PM of the CS02 team during this reporting period.

V.1.4. CS03

136. No known developments during this reporting period.

V.1.5. CS04

137. As is shown in Annex 1 was the winner of this CS04 tender appointed this reporting period.

V.1.6. CS05

138. CS05 has issued a request for additional PM (2 International and 56 National) to compete the DED of the irrigation and farm road programs of AWP 2022. Annex 13.3 shows the details of the utilization of PM of the CS05 team during this reporting period.

V.2. Procurement Plan

139. In the previous reporting period the MRD procurement plan was updated and approved by the ADB and is shown in the Annex 11 on Procurement.

140. An update of the MAFF and MOWRAM sections of the procurement plan are very urgent now for the following reasons:

141. for MAFF to include the additional PADC and Agricultural workshop and increased unit-rates for many activities including land levelling

142. for MOWRAM to include the activity to recruit ITP services for the category C irrigation projects of AWP 2021 and AWP 2022;

V.3. Procurement of Good and Works and Performance of Suppliers, Manufacturers, and Contractors

143. So far both tenders for the compost hut and bio-digester have failed for the following reasons:

- The very complex procurement requirements with a lack of qualified bidders, as a result of which the PMU suggested to the mission to simplify the procurement procedures. However, the Mission and MEF stressed that changing procurement method from NCB to shopping or community participation is not likely to help as management of multiple contracts with shopping and community participation is much more cumbersome than NCB given the high targets. The Mission and MEF suggested the team to revise the bidding document by revisiting qualification criteria and ensuring a wider publicity to attract more bidders. The Mission agreed with the proposal to revisit the cost estimates to include reasonable administration and overhead costs, and to expand the eligibility to include small commercial farms (with less than 100 animals per farm) in the next round of bidding.
- The Mission also noted the need for increasing subsidy in view of COVID-19, but subsidies should not distort the bio-digester market development in the country. The Mission suggested that the issue on subsidy may be further discussed at the PSC meeting in January 2022 and with GCF in July 2022 during mid-term review mission. The Mission noted that a few development partners already expressed concern on the current levels of subsidy in the project. The Mission suggested that future rounds of bidding should consider a wider range of bio-digesters rather than confining to farmer-friendly brick bio-digesters. The Mission also suggested to involve and support the private sector in identification of potential beneficiaries of biodigesters and compost huts.

VI. ASSESSMENT OF PROJECT PROGRESS

VI.1. Physical Progress

144. Towards the end of the fourth quarter of 2022 the CFAVC project achieved 35.69 % progress which is 5.6 % higher than the progress of 30.09 % physical progress at the end of the previous reporting period. In the MEF format the progress is a little higher at 36.92 %. This progress figure

is relative progress compared to the DMF weight and as such should not be mis-interpreted as % progress per activity. Table IV.1 compares financial with physical progress.

145. The highest progress is achieved with the implementation of Outputs 3 at 40.1 %, for output 2 39.55 % and for Output 1 at 33.5 %.
146. The highest progress has been achieved by MAFF with 39.6 %, followed by MRD at 32.6 % and trailed by MOWRAM at 28.4 %. The slow progress of MOWRAM is caused by the slow processing of the social safeguard program of the predominantly category C irrigation due to the absence of an ITP consultant.

Table VI.1: Comparison Physical and Financial Progress per Agency per 31 December 2022

EAs/ IAs	Budget (Allocation)	Total Disbursement	Progress Rate %	
			Physical	Financial
PMU-MAFF	56,343,840	11,098,067	39.6 %	19.4 %
MOWRAM	44,235,807	2,653,418	28.4 %	6.0 %
MRD	36,341,680	2,130,585	32.60 %	3.5 %
TOTAL	141,040,000	15,633,4120	35.69 %	11.1 %

VII. ASSESSMENT OF THE VALIDITY OF KEY ASSUMPTIONS AND RISKS

147. The key assumptions and risks remain valid with the addition of Covid-19.

VIII. SAFEGUARDS AND GENDER PROGRESS AND COMPLIANCE

148. Since March 2022 the ADB has been organizing virtual safeguard clinic to improve the effectiveness of the safeguard screening process of the CVAVC project.

VIII.1. Social safeguard document preparation and submission status

VIII.1.1. General

149. Progress with the screening of the social safeguard is very much behind schedule as shown in detail in Annex 8 for the following 3 reasons:

- Manpower shortages in the 2 CS packages CS 05 and CS01
- Manpower shortages at GDR for category B subprojects
- For category C irrigation projects the urgent need to immediately recruit an Independent Third Party Verification expert for Land donation (ITP). This activity was originally not foreseen in the PAM and budgeted in the cost-tab and also not in the AWP 2022.

VIII.1.2. MAFF Program

150. Reference is made to Annex 8. The main developments are:

AWP 2020 program

- a) 3 Mechanization Engineering Workshop (KPT, KPC and TBK) + 3 Provincial Agricultural Development Center (PADC), (TK, KPC and TBK) in one DDR covering 6 subprojects (3 MEW & 3 PADC) were approved already by ADB. There is no any issue related to social

- safeguards during the construction.
- 20 units of AC Storages/ Warehouses owned by 20 ACs for 4 provinces (5 in each province) in one DDR were already approved by ADB and during the construction there is no any issue related to the social safeguards.
 - 35 units of AC Storages / warehouses in one DDR owned by 35 AC (8 in KPT, 13 in Takeo, 10 in TBK and 4 in KPC). The DDR will be required to take further action to comply to the ADB requirement as shown in the bellow text.
 - 500 Bio-digesters and 250 Compost Huts, 4 provinces will be started in one DDR preparation from early May 2022 and resubmitted to ADB with some updated sections since 2nd week of December (it is being reviewed by ADB social safeguards team).

AWP 2021 program

- In this reporting period includes 55 units of AC storages/warehouses contains with 2 separated DDRs, the 1st DDR covers 20 units of AC Storages/warehouses and was already approved by ADB, it is currently ongoing of civil works while the 2nd DDR covers 35 units of AC storages/warehouses and currently it is under the review by ADB, and another separated DDR covers of 12 units was submitted to ADB by 2nd week of December 2022, it is being reviewed by ADB.
- The DDR-2 for a total of 20 agricultural cooperatives (AC) with 20 units of storages/warehouses was already approved by ADB and uploaded in ADB website in August 2021 (<https://www.adb.org/projects/documents/cam-48409-002-sddr-1>), this DDR covering of Warehouse/Storage (5 subprojects/province) KPT, TK, KPC & TBK.

Table VIII.1: Social Safeguard progress Status AWP 2020 and 2021 Sub-projects MAFF

No	Subprojects and Social Safeguards Report	Status up to End of December 2022
1	Construction of Training Building for Provincial Agriculture Development Center (PADC) and Equipment in Takeo province, Tbong Khmum province, Kampong Cham province	DDR (Approved by ADB) on 30 Jul 2021
2	Construction of Mechanization Engineering Workshops in Kampot Tbong, Kampong & Kampong Cham provinces	
3	Construction of Agricultural Cooperative Storage/Warehouse 20 Units in Kampot, Takeo, Kampong Cham & Tbong Khmum (5 units each province)	DDR (Approved by ADB on 25 Jun 2021)
4	Construction of Agricultural Cooperative Storage/warehouse 35 Units in Kampot, Takeo, Kampong Cham and Tbong Khmum	See Para C above
5	Installation and Commissioning of 500 Biodigesters and 250 Compost Huts in Kampot, Takeo, Kampong Cham & Tbong Khmum	Submitted to ADB in 4 th week of Jul 2022 (25 th) and resubmitted to ADB in 2 nd week of December 2022, currently it is reviewed by ADB social safeguards team
6	Construction of Agricultural Cooperative Storage/warehouse 12 Units in Kampot, Takeo, Kampong Cham and Tbong Khmum	Submitted to ADB in 2 nd week of December 2022, currently it is reviewed by ADB

VIII.1.3. Irrigation Program

151. Reference is made to Annex 8. It is very important that in AWP 2023 MOWRAM brings up funds for the recruitment of these ITPs, which are not yet included in the draft AWP 2023 as shown in Annex 16.

152. The current status of safeguard documents preparations for all irrigation subprojects are as

following:

- a) This reporting period refers to 29 irrigation subprojects, 1/ (4 subprojects) in Kampot 2/ (7 subprojects) in Tboung Khmum, 3/ (11 subprojects) in Takeo, and 4/ (7 subprojects) in Kampong Cham. Table 2 summarizes the 29 irrigation subprojects with current status.
 - b) During this report period describes the AWP 2020 covering of 9 irrigation subprojects, there are 8 irrigation subprojects classified as category C for IR while another subproject namely (Trapeang Tros) was classified as Cat B, these Batch I 9 irrigation subprojects were prepared in 3 DDRs and 1 DRP, 1st DDR covered Trapeang Run which was already approved by ADB and uploaded in the ADB website "<https://www.adb.org/projects/documents/cam-48409-002-sddr-2>", 2nd DDR covered Toul Pring and Kbal Tuek two irrigation subprojects in TBK and the report (DDR) was already approved by ADB and uploaded in the ADB website "<https://www.adb.org/projects/documents/cam-48409-002-sddr>", 3rd DDR covered [Prey Kdouch and Kraing Empil 2 irrigation subprojects in](#) Takeo, the DDR has already approved by ADB and uploaded in the ADB website <https://www.adb.org/projects/documents/cam-48409-002-sddr-3> and 1st DRP covers Trapeang Tros irrigation subproject in TBK which is currently reviewed by ADB, submitted from GDR in 2nd week of Jun 2022, other two DDRs (1 DDR covers Takoch scheme in Kampot and another 1 DDR covers Pram Kumpheak and O'kamprok which are currently under the review by ADB social safeguards team.
 - c) During this reporting period, 3 of 29 subprojects namely Trapeang Run, Prey Kdouch and Kraing Empil were completed the civil work and the completion report related to social safeguards for Trapeang Run was already submitted to ADB in 1st QTR 2022 by DTL based at MOWRAM and other 2 subprojects (Prey Kdouch and Kraing Empil) are being prepared by the DTL based at MOWRAM, other 3 subprojects namely 1) Toul Pring, 2) Kbal Tuek, 3) Trapeang Tros¹ are ongoing of civil works, while some of the other remaining are expected to be started the civil works once the social safeguard requirements are complied. Those are: 1) Pram Kumpheak, 2) O'kamprok and 3) Takoch.
 - d) Takoch irrigation subproject in Kampot is approved by ADB and already uploaded in the ADB website.
 - e) Other two subprojects at Tram Kak, Takeo province namely – Prey Kdouch and Kraing Empil (CW15-A and CW15-B) are currently awaiting remobilization of the CS01 DTL MOWRAM with support from the CS1 safeguard team because these two subprojects were completed the civil works.
 - f) Two subprojects in Kampong Cham, namely O'kamprok and Pram Kumpheak (CW14-B and CW14-A), are currently being reviewed by ADB in late December 2022.
153. Irrigation sub-projects 2022
- a) CFAVC-MOWRAM-KPT-CW12.2 covers 3 subprojects namely 1) Kandoal Feeding Canal, 2) Bravoek Pong Reservoir Scheme and 3) Trapeang Boeung Reservoir Scheme located in Kampot.
 - b) CFAVC-MOWRAM-TBM-CW13.2 covers 2 subprojects namely 1) Tboung Damrei Reservoir Scheme and 2) Kampong Raing Feeding Canal located in Tboung Khmum.

¹ Only the free area (no IR impact) can be started the civil work, waiting for compensation payment making for IR impact zone.

Table VIII.2: Social Safeguard progress Status Irrigation Sub-projects

No.	Subproject Name	Province	Status FS and DED	Current Implementation Status
AWP 2020 program				
1	Trapeang Run Reservoir Scheme	Kampot	Completely	Completed civil work
2	Kbal Teuk Reservoir Scheme	Tboung Khmum		Ongoing civil works
3	Tuol Pring Reservoir Scheme			Ongoing civil works
4	Trapeang Tros Reservoir Scheme			Ongoing civil works
5	Pram Kompheak Reservoir Scheme	Kampong Cham		DDR approved by ADB Late Dec 2022
6	O'kamprok Feeding Canal			Completion report is being prepared by DTL
7	Prey Kdoch Reservoir Scheme	Takeo		DDR approved by ADB 1 st week of Dec 2022
8	Kraing Empil Reservoir Scheme			
9	Takoch Reservoir Scheme	Kampot		
AWP 2021 program				
10	Kandoal Feeding Canal	Kampot	Apr 22 & Prepared Biding Doc	Screening process by CS5
11	Bravoek Pong Reservoir Scheme			
12	Trapeang Boeung Reservoir Scheme			
13	Tboung Damrei Reservoir Scheme	Tboung Khmum	Feb 22 Under Bidding Process	Screening process by CS5
14	Kampong Raing Feeding Canal			
15	Teuk Char West Reservoir Scheme	Kampong Cham	Sept-Dec 22	Handed over to ITP for Validation 30 Jan. 23
16	Po Tatress Reservoir Scheme			
17	Chrouk1 + Phlov Touk Feeding Canal	Takeo	May-Jun 22	Handed over to ITP for Validation 30 Sept 22
18	Prey Romdeng Feeding Canal			
19	Kwaeng Tayee Feeding Canal			
AWP 2022 program				
20	Trapeang Ampil Reservoir Scheme	Tboung Khmum	Feb-Mar 23	Plan to be completion and submitted to ITP by 30 May 2023
21	Choam Taheung Reservoir Scheme			
22	Teuk Char East Reservoir Scheme	Kampong Cham	Jan-Feb 23	Handed DDR to ITP by 30 March 23

No.	Subproject Name	Province	Status FS and DED	Current Implementation Status
23	Pralay 95 Feeding Canal	Takeo	Jul-Aug 22	Handed DDR to ITP by 30 November 22
24	Pralay 42 Feeding & pumping Station			
25	O' Rumdoul Reservoir Scheme	Takeo	Apr-May 23	Handed DDR to ITP by 30 July 23
26	Sdok Sab Reservoir Scheme			
27	Pou Tasuy Reservoir Scheme			
28	Broteak Krola Reservoir Scheme	Kampot		Back up
29	Ta Oum Reservoir Scheme	Takeo		Back up

VIII.1.4. Farm Road Program

154. Reference is made to Annex 8. The present update status are shown in the 2 tables below:

Table VIII.3: Social Safeguard progress Status farm Road program AWP 2020

No	Province	Subproject name	Length (Km)	IR/IP Categorization	Status 31 December 2022
1	Kampot	Chhouk-Chum kiri-Chres- NR No. 3	11.90	Cat C, and the DDR is being process to get approval from ADB	<ul style="list-style-type: none"> Got NOL from ADB and uploaded in ADB WWW on Aug 22, 2021 https://www.adb.org/projects/documents/cam-48409-002-sddr-5
2		Wat Toul Phcheuk- NR No. 41	6.39		
3	Tboung Khnum	RN73- Khcheay- Wat Thmey	9.74	C	<ul style="list-style-type: none"> This DDR was already uploaded in the ADB website in March 2022. The contractor has started the civil work. The Next SMR will describe in more details.
4		Ta Pao-Sangkum Meanchey	12.00		
5	Kampong Cham	Toul Prak-Sambo-Sopheas	9.98	B	<ul style="list-style-type: none"> NOL from ADB on 12th Apr 2022 (signed contract on 09 May 2022) NOL on Green zone by 22nd August 2022 DRP was already uploaded in the ADB website in March 2022 Compensation payment was already made https://www.adb.org/projects/documents/cam-48409-002-sddr-4
6		Sopheas-Anglol-O'Beng	4.32		
7	Takeo	Phlov Lek 122 (Khloug Tvea Wat Totea)- Phlov Tonle Bati	10.00	B	<ul style="list-style-type: none"> The civil works are ongoing
8		Wat Ang Andaet-Rumchek-Kraing Ampil	4.67		
			71.0		

Table VIII.4: Social Safeguard progress Status Farm Road program AWP 2021

No	Province	Sub Project Name	Scope of Works	Length	AC name	Status
1	Kampot	National road No 33-Wat Damnak Trayeung	Rural Road improvement (DBST)	5.310	Sen Han Chamroeun phal	DRPs are being prepared by GDR with support from CS5 social safeguards specialists
2		Wat Sovan Cholsar-O'Kandoal	Rural Road improvement (DBST)	6.440	Ratanak Polroth Samaki	
3		Prey Kraing Khang Cheung-Trapeang Chhuk-Spean Damnak Sokrom	Rural Road improvement (DBST)	6.600	Prey kraing Meanrith	
4		NR No.41-Snay Anhchet- Thlok Yul	Rural Road improvement (DBST)	3.830	Samaky Amatak	
Sub-Total Kampot				22.180		
5	Takeo	Chi Moreas-Tapao	Rural Road improvement (DBST)	5.400	Kampeng Soksen Sambo	DRPs are being prepared by GDR with support from CS5 social safeguards specialists
6		Phlov Lek 132 – Phum Ang Trao – Phum Steung	Rural Road improvement (DBST)	8.250	Samaky Trapeang Kralanh	
7		NR No. 3- Trao Aem- Phum Steung	Rural Road improvement (DBST)	5.800	Baksey Rikreay	
8		NR No. 3- Yeay La-Trapeang Chak	Rural Road improvement (DBST)	3.400	Samaki Trapeang Chak	
9	Trapeang Srangae- Ang Thnoat Khang Lech	Rural Road improvement (DBST)	4.050	Trapeang Srange		
Sub-Total				26,900		
10	Tboung Khmum	Plov Wat Chroul-Chamkar Ko-Kbal Thnal	Rural Road improvement (DBST)	8.150	Samaki Meanchey	DRPs are being prepared by GDR with support from CS5 social safeguards specialists
11		NR No.73-Sralab-Phum Smounh	Rural Road improvement (DBST)	5.500	Lngieng Meanchey	
12		Wat Ang keng-Phum Samreuy	Rural Road improvement (DBST)	4.900	Samaki Kak	
13		NR No.73- Kok Srok	Rural Road improvement (DBST)	2.830	Baitong Kok Srok	
14		Phlov Phum Popel	Rural Road improvement (DBST)	1.450	Akphiriek Ponhea Kraek Dambae	
15		NR No.7 – Andoung Chrung	Rural Road improvement (DBST)	3.800	Ponhea Kraek Rongroeung	
16	Toul Chan-Khnong Pralay	Rural Road improvement (DBST)	2.820	Popel Meanchey		
Sub-Total				29,450		

No	Province	Sub Project Name	Scope of Works	Length	AC name	Status
17	Kampong Cham	Andoung Snay-Sdok Thom	Rural Road improvement (DBST)	3.930	Akphivath Multhan Yeung	DRPs are being prepared by GDR with support from CS5 social safeguards specialists
18		Trapeang Kor (NR6)- Trapeang Thmar	Rural Road improvement (DBST)	5.500	Akphikwat Kaksikor	
19		Pou Sala Ti Mouy (NR70)- Sach Sour	Rural Road improvement (DBST)	5.040	Punlorck Thmey	
20		Ampil Thum (No.7)- Sangkae	Rural Road improvement (DBST)	7.770	Samaki Baray Andong Aang	
Sub-Total			22.240	22,240		
				100,770		

VIII.2. Environmental safeguard IEE preparation and submission status

155. For a detailed overview of the IEE and EMP status reference is made to Annex 9.

VIII.3. GRM Implementation Status

156. The CFAVC project uses the existing complaint mechanisms through the local administration village chief, commune chief in Trapeang Run and as well for all subprojects.

157. There are two types of GRM, one team is for Category B established by GDR and was already established in 4 targeted provinces chaired by each provincial governor and for each PPIU assigned as member.

158. Another team of GRM is for Category C subprojects, not involved to GDR, this was established by subproject classified as category C. such as Trapeang Run irrigation subproject, Toul Pring and Kbal Tuek irrigation subprojects, and other two road subprojects (Phlov Lek 122, Khlong Tvea Wat Totea) - Phlov Tonle Bati and Wat Ang Andaet-Rumchek- Kraing Ampil).

159. Both category B and Category C GRM were also included in the 2021 annual monitoring report (Jan to Dec 2021) which has been submitted to the ADB.

VIII.4. Gender Action Plan Implementation

VIII.4.1. General

160. The 2 SG experts met with H.E Hor Malin on 22nd September 2022, to discuss progress on the project pertaining to Gender. These meetings are a great opportunity to inform H. E. on issues, problems, successes etc. The meeting takes place twice annually, while the last meeting took place in December 2021, the next one is set for January 2023,

161. Of major issues for the reporting period was the implementation of the new GAP, which is now being used by the Gender Focal Points (GFPs), and data are in general coming in on time from GFP and for CS2 mostly not on times. Often field-data columns are still either missing or weak in quality, and the 2 CS01 SGD experts in CFAVC continue to assist the GFPs in this regard.

162. The new GAP is now much better understood and 'rolled out', and the 2 CS01 SDG experts notice higher quality in gender data obtained from the GFPs. This is good news as it takes away substantial efforts and time which was previously used to capacity-build the GFPs, with many online meetings every month. The National SDG expert also addressed GAP issues when going on missions for spot check and construction monitoring (of gender) at sites.

163. Overall assessment on gender during: this report indicates whether the project was successful in achieving its intended gender equality results. Indicate how many quantitative targets were achieved (and %) and how many activities out of the total were achieved (%). Target achieving 12 (86%) out of 14 targets were on track, 2(14%) targets were off-track. And the action achieved 6 (86 %) out of 7 Actions were on track, 1 (14%) were off-track. Substantially Achieved – however, for the purpose of assessing gender equality results, it is still counted as not achieved.
164. In VO14 the input of the National Social Development and Gender expert has been cut to 75% starting from September 2022 until the end of the current AESA contract in September 2024. That will affect spot-checks and on-site missions, particularly for construction works meaning that the SDG experts have to work more closely with the 8 CS01 provincial experts.
165. In VO14 the input of the international Gender Consultant's input was increased with 1.56 PM until the end of the current AESA contract in September 2024. This increase will allow the consultant to maintain an average of 2 working days a month, which is an improvement compared to previous inputs, which basically gave the consultant app. 0.5 days a month.
166. Table VI.5 shows the work program of the national SDG expert in this reporting period. during these trips the national SDG expert met with contractors, AC leaders and WFNs in all of missions. In all meetings, constant highlighting how women will need access to skilled labour, general gender awareness, child care, above, protection from diseases, roles and responsibilities in agri-business etc.
167. Most unfortunately have the 2 SDG CS01 experts still not been able to set-up the Gender DMF data-base but it is expected that with the new data-base operator included in VO14 this will be possible to implement.
168. Annex 10 on GAP implementation shows more details.

Table VIII.5: Work program National SDG expert October – December 2022

Purpose	Province	Dates
Road, ACs and irrigation GAP training	Kampong Charm (Me Sar Chrey commune, Steung Trang District)	13 th -16 th December, 2022
	Kampot (Chhouk and Chum Kiri Districts)	22 th -23 th December, 2022
Back stopping and observation training activities of the GFP at commune level	Kampot (ACs Banteay Meas Sopheak Monkol)	01 th -05 th November,2022
	Takeo (ACs Steng Slakou and Samaki ACs Tropeang Kror len)	09 th -12 th November,2022
	Tbong Kmum (ACs Po Peal Meanchey and Rumduol Dauntey)	14 th -18 th November,2022
	Kampong Charm (ACs Samaki Baray Andong Ang)	21 th -25 th November,2022
The first training workshop on New Gender Action Plan for Provincial EAs / IAs	Phnom-Penh	25 th -26 th October 2022

VIII.4.2. Gender Value Chain Study

169. In this reporting period it had been planned to undertake the first step of the GAP value chain study to implement the desk study. While the budget was available the 2 SG experts in the end did not undertake the assignment as the input of the international SDG expert had been depleted and the VO14 had still not been approved. This study aims to collect both quantitative and well as qualitative data selected from all four provinces for the 4 CFAVC Value chains (maize, cassava, rice and mango), and include ID poor, single headed female households, other

vulnerable groups etc. A VC mapping will take place informing the study the different actors in the VC for each crop.

170. The AWP 2023 contains financial allocations under PMU for the remainder of the program.

VIII.4.3. GAP Implementation progress at Central Level

171. The first training workshop on New Gender Action Plan for Provincial EAs / IAs and training on Gender for Agricultures Cooperative (ACs) and women Farmers Network (WFNs) in the four-target province and 4 Value Chain on (Casava, Maize, Rice and Mengo) was conducted in this reporting period. The first training workshop on New Gender Action Plan for Provincial EAs / IAs on October 25 and 26, 2022. H. E. Mrs. Hor Malin, chair of the Gender and Child care working group in MAFF, and key ministerial staff also attended in the training workshop.

VIII.4.4. GAP implementation progress at provincial level

172. The training on Gender for Agricultures Cooperative (ACs) and women Farmers Network (WFNs) in the four-target province and 4 Value Chain on (Casava, Maize, Rice and Mengo) started at commune level from 01 to 30 November 2022 by GFP/PPIU MAFF with back stopping and observation all training activities and instruction of the training report to GFP at commune level in the 4 target provinces by the national SDG expert. All GFPs and keys person from PMU /PPIU/ ACs/ WFNs were attend to the training, given the ideas notice of the training.

173. GFP/PPIU and other related institutions jointly conducted public consultative meetings on a gender core labour base approach, environmental and social safe guards and impact planning, gender responses and climate resilience of key project infrastructure for irrigation and road construction with a total of 186 participants (50 female or 27%).

174. For farm-road program 6 ongoing road construction contracts with total 284 skilled/ unskilled workers (64 female or 23 %). Of these, 195 Skilled worker (51 female or 26 %) and 97 Unskilled workers (30 female or 31 %) from villages commune. The total of 7384 workdays (1664 female or 23 %). Of these, skilled workers from company did 5070 working days (1326 female or 26 %), 2522 were done by unskilled workers from villages (780 female or 31 %), and females equated for working days, which equals 32 %.

175. Trainings, meeting, monitoring and follow up to FWUC representatives and local authorities such as meeting to review the FWUC statute and by-laws, FWUC Committees election, Official announcement to carry out the FWUC Statute and by-laws, Capacity building and training included financial management/book keeping, administrative task trained, irrigation service fee calculation, planning trained, the minute taking and report writing trained and the conflict resolution trained. In sum total 4338 participants (1429 female or 33%). The target achieve is more than GAP target set (33%).

IX. COMPLIANCE WITH COVENANTS DURING THE FOURTH EMESTER OF 2022

176. The implementation of the CFAVC project is guided by 4 covenants as follows

- a) *Policy Loan Covenants*. The Project complied with all Sector / Policy Covenants
- b) *Financial Covenants*. The project has been complying with the financial Covenants
- c) *Safeguard Covenants*. The project has been complying with the Safeguards Covenants
- d) *Other Covenants* The project has been complying with the few other covenants mentioned in the loan and grant agreements

X. FINANCIAL MANAGEMENT ACTION PLAN

177. 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.

XI. MAJOR PROJECT ISSUES AND PROBLEMS

178. The remaining low speed of the social safeguard screening of all civil works programs (farm-road, irrigation and the MAFF Civil work program) remains to slow down the implementation speed of the CFAVC project enormously, with as result that the irrigation and road programs are still working on the AWP 2020 and AWP 2021 subprojects. The main causes for this are: 1) insufficient TA resources 2) insufficient resources for social safeguard primary data and 3) long time of processing and payment of land compensation by GDR and 4) slow recruitment of the ITP TA package, which was not foreseen in the original procurement plan and cost - estimate.
179. The Ukraine war, which started late February 2022, has caused a worldwide inflation and increase in energy prices which has also led into an increase in construction costs for the CFACF project. The impact of these increases are as follows: a) for all tenders which took place before the start of the war with implementation to take place after the start of the war, the contractors will have difficulties to implement the works with the increased construction costs as these contracts do not have an escalation clause and b) for all contracts to be tendered after late February the construction costs will be more than foreseen in the CFAVC costtab.
180. Due to the 18 month extension of the CFAVC project additional funds are required for the extension of the PMU and PPIU operation and of the CS01 PIC consultants.
181. An update of the MAFF and MOWRAM sections of the procurement plan are very urgent now for the following reasons:
- for MAFF to include the additional PADC and Agricultural workshop and increased unit-rates for many activities including land levelling
 - for MOWRAM to include the activity to recruit ITP services for the category C irrigation projects of AWP 2021 and AWP 2022;
182. The extremely lengthy process of procurement process of the CS03 consultant is still ongoing and is seriously delaying the implementation of some activities of Output 23.
183. The low TA PM allocations for packages CS01, CS02 and CS05, which have resulted in nearly all positions being intermittent are another reason for the slow implementation of the CFAVC project, also because of the relatively high staff-turnover
184. The long period it has taken to process the contract variations for the additional services for CS01 and CS02.

XII. ADB REVIEW MISSION NOVEMBER 2021

185. In the period 22 – 29 November a virtual ADB review mission was conducted. Table XIV.1 below shows the progress with the implementation of the Action Plan of this MOU.

Table XII.1: Progress Implementation Action Plan MoU December ADB review mission

ACTION	DUE DATE	RESPONSBLE	STATUS 31 Dec 22
Processing of the request for extension of the project completion date by 18 months to 31 March 2026 (i) Letter from MAFF to MEF (ii) MEF to ADB	30 November 2021 31 December 2021 15 January 2022	PMU, MEF and ADB	<ul style="list-style-type: none"> • letter sent • Letter sent • ADB NOL to Loan closing date extension till 31st March 2026

ACTION	DUE DATE	RESPONSIBLE	STATUS 31 Dec 22
(iii) ADB to MEF			
Organization of Project Steering Committee meeting	31 January 2022	PMU	Steering committee meeting conducted on February 10, 2022
Approval of 2022 work plan and budget	15 February 2022	PMU, MEF	MEF approval 13 April 2022
RGC Decision on IA for ponds and drip irrigation	31 January 2022	MEF	MEF decision on 13 April 2022
Analysis of needs for additional consultant inputs and associated budgets	15 January 2022	CS1, CS2 and CS5	Done for CS01 and CS02 but requests for additional PM allocations still being processed at PMU
<p>Irrigation and water management infrastructure</p> <ul style="list-style-type: none"> • Master list of the first and second batch of irrigation subprojects with climate resilience measures and detailed schedule • Completion of topographic surveys, feasibility studies, for the second batch of 10 irrigation subprojects • Confirmation of the final batch of irrigation subprojects • DED (including safeguards screening) and approvals • Contract signing for the completed schemes • Preparation of O&M plan for Trapeang Run Irrigation subproject completed • Impact assessment for Trapeang Run Irrigation subproject completed 	<p>15 January 2022</p> <p>31 March 2022</p> <p>31 May 2022</p> <p>30 June 2022</p> <p>30 September 2022</p> <p>30 December 2021</p> <p>28 February 2022</p>	<p>CS1, CS5, and MOWRAM</p>	<p>- Done in QR2-22</p> <p>- Achieved</p> <p>- Achieved</p> <p>- Achieved</p> <p>- In progress</p> <p>- First draft submitted late 2021</p> <p>- Completed late December 2021</p>
<p>Agricultural Cooperatives infrastructure</p> <ul style="list-style-type: none"> • Invitation for bids for second batch of 35 agriculture cooperatives including solar energy issued • Master list of the first batch of agricultural cooperatives with climate actions and detailed schedule completed 	<p>31 January 2022</p> <p>31 January 2022</p>	<p>CS2, MAFF</p>	<p>- Bid opening for the 35 ACs was done on the 1 April 2022 first package with 21 ACs, and on the 27 June 2022 for the second package with 14 ACs</p> <p>- Achieved</p>

ACTION	DUE DATE	RESPONSIBLE	STATUS 31 Dec 22
<ul style="list-style-type: none"> Invitation for bids for final batch of 25 agriculture cooperatives including solar energy issued 	<p>15 March 2022</p> <p>30 April 2022</p> <p>30 September 2022</p>		<ul style="list-style-type: none"> 12 ACs out of the 25 have been identified. The other 13ACs being progressed Being complied 12 ACs completed 13 ACs being identified Master list completed in July 2022 Not yet due date Bidding docs for the first package with 12 ACs being finalized at PMU MAFF. Divided into 2 packages of procurement 1st package with 12 ACs bidding docs is ready. 2nd package with 13 ACs is being progressed.
<p>Rural connectivity infrastructure</p> <ul style="list-style-type: none"> Completed compensation payment for CW17b for Takeo province Construction of the first batch of 8 farm road subprojects completed Invitation for bids for the second batch of 20 rural road subprojects issued Quantification of COVID-19 impact on costing of farm road subprojects 	<p>31 December 2021</p> <p>30 September 2022</p> <p>28 February 2022</p> <p>31 January 2022</p>	<p>CS1, CS5, GDR and MRD</p>	<ul style="list-style-type: none"> Achieved (Compensation was done on the 8-10 Dec 2021) In progress MRD subproject In Takeo with 26.737 Km was advertised 27th Sept 22 First draft submitted late 2021
<p>Laboratory infrastructure</p> <ul style="list-style-type: none"> Finalization of draft national standard for biofertilizer production and quality testing and manual on plant tissue culture 	<p>31 January 2022</p>	<p>CS2, GDA</p>	<ul style="list-style-type: none"> Done (Completed of consultation workshop and more input collected for participants. 32% completed) Done

ACTION	DUE DATE	RESPONSIBLE	STATUS 31 Dec 22
<ul style="list-style-type: none"> Bidding documents for laboratory renovation, net house construction, and laboratory equipment submitted to ADB along with a status paper on laboratory renovation needs Status Paper on laboratory renovation Invitation for bids for laboratory renovation, net house, and laboratory equipment issued 	<p>31 December 2021</p> <p>31 December 2021</p> <p>1 February 2022</p>		<p>(The design for Lab room renovation together with the engineering drawings and the BoQ estimations completed and renovating process by Taing Cheng Oing company contracted. 97% completed)</p> <p>- Done (Lab equipment are bid opening on 9 May 2022, and BER is being progressed).</p> <p>- Done Net-house contract awarded 16th June 22; construction being progressed by KASEGRO company, 95% completed.</p>
<p>Renewable energy infrastructure Revised bidding document for first batch of biodigesters and compost huts submitted to ADB</p>	<p>31 December 2021</p>	<p>CS2, GDAHP</p>	<p>- ADB provided NOL to rebid on the 22 April 22</p> <p>- Bid opening for the second time was done on the 28 Jul 2022.</p> <p>- The second of bidding are failed to select the biodigester company to build the biodigester and compost hut.</p>
<p>Climate-resilient varieties</p> <ul style="list-style-type: none"> Terms of reference for CS3 Package – Variety Development Consulting Firm improved Request for proposal for CS3 Package issued Policy brief to help CARDI's commercialization program developed 	<p>31 December 2021</p> <p>1 February 2022</p> <p>30 April 2022</p>	<p>CS2 and CARDI</p>	<p>- Achieved</p> <p>- Achieved</p> <p>- Delayed due to lack of related CS02 experts</p>

ACTION	DUE DATE	RESPONSIBLE	STATUS 31 Dec 22
Capacity Building <ul style="list-style-type: none"> • Adoption of ASEAN CSA guidelines for target crops • Revised master plan on capacity building for CSA, GAP and SRP • 100 mango farmers (at least 30 women) trained on compliance with CAMGAP for tropical fruit 	31 May 2022 15 January 2022 30 June 2022	CS2, GDA PDAFF	- Ongoing - Achieved - Ongoing
<ul style="list-style-type: none"> • Detailed training plan for FWUCs 	31 January 2022	CS2, MOWRAM	- Achieved - Completed (2 training courses in May-22 and other 2 courses in Jul 2022)
Farm mechanization and extension Completion of solar system designs for PADCs and FMWs Training program on farm mechanization prepared	April 2022 March 2022	CS2, GDA	- Delayed as the involved CS)2 expert not yet mobilized - Achieved
Agribusiness policy and standards Approach to commercialization of SRP standards completed	31 August 2022	CS2	In progress
Climate finance and PPP <ul style="list-style-type: none"> - Crop-centric PPP platforms and Inter-ministerial committee on PPP on target crops established - Training program on green finance and CSA to financial institutions prepared 	June 2022 January 2022	CS2, PMU and GDA	- CS2 expert resigned, the new replacement just mobilized in early July 22 - Achieved
ICT for climate risk management Request for proposals to ICT firms issued	15 December 2021	PMU	Financial proposal opening on the 12 th Sept 2022 being evaluated. The CS4 is already sign the contract and started on 09 January 2023.
Procurement Updated procurement plan reviewed by the procurement review committee together with the 2022 annual work plan and budget and the revised contract awards	3 December 2021	CS1 and PMU	ADB provide NOL to last update on the 5 th Aug 2022

ACTION	DUE DATE	RESPONSIBLE	STATUS 31 Dec 22
and disbursement projections			
Safeguards <ul style="list-style-type: none"> Project-specific safeguards clinic organized Semi-annual social and environmental safeguards monitoring report for July to December 2021 	<p>28 February 2022</p> <p>15 January 2022</p>	<p>CS1, CS5, PMUs and ADB</p> <p>PMU, CS1, and CS5</p>	<ul style="list-style-type: none"> Done on the 1-3rd Mar 2022 Uploaded to ADB website Dec 2021(Jan-June and Jul to Dec 2021 for both social and environmental safeguards Jan to June 2022 submitted to ADB on 15th Jul 2022 for initial review.
Action	Due by	Responsible	Para
Gender Action Plan <ul style="list-style-type: none"> EA endorsement of updated GAP Preparation of a plan to engage Gender and Children Working Group and Women Farmers' Network in the project activities Desk review of gender analysis of target value chains and proposal for the scope of the detailed study Integrate GAP activities and targets into the PPMS Improve the quality of GAP progress table and data consistency 2022 Annual work plan for GAP implementation 	31 December 2021	PMU and CS1	Completed 13 Dec 2021
	28 February 2022	CS1	Gender training budget approved and fund transfer were made available on 7 th Oct 22
	31 March 2022	CS1	Being implemented (MEF approval of the AWP22 on 13 April 2022).
	30 April 2022	CS1 and PMU	- In progress
	31 May 2022	CS1	- In progress
	31 December 2021	CS1 and PMU	Being progressed pending fund transfer
	Submission of APFS for 2021	30 June 2022	PMU
Updated PPMS	15 January 2022	CS1	Achieved in Jan 2022
Mid-term review mission	July 2022 moved to Nov 22	ADB and PMU	Now planned for first quarter of 2023



ANNEX 1: Important Correspondence October - December 2022

**ADB Loan No. 3661-CAM (COL)/8346-CAM (EF)
Grant No. 0579-CAM (EF)**

CS1 - 001 SER: Project Implementations Consulting

**FOURTH QUARTERLY PROGRESS REPORT 2022
OCTOBER - DECEMBER**

Prepared by



Ministry of Agriculture, Forestry and Fisheries Climate-Friendly Agribusiness Value Chains Sector Project (CFAVC)
Project Management Unit ADB Loan No. 3661-CAM (COL), 8346-CAM (EF) and Grant No. 0579 (EF)
Ref1017.....CFAVC Date: 19 December 2022

To: Mr. Jiangfeng Zhang
Director
Environment Natural Resources and Agriculture Division
Southeast Asia Department
6 ADB Avenue, Mandaluyong City, 1550 Metro Manila, Philippines
Tel: (632) 632-4786, Fax: (632) 636-2231

Subject: ADB Loan No. 3661 (COL), 8346 (EF) and Grant No. 0579 (EF) – CAM: Climate – Friendly Agribusiness Value Chains Sector Project (CFAVC) – Request no-objection to Replacement of National Project Management and Rural Infrastructure Specialist/ Deputy Team Leader – CS1 Contract


Dear Mr. Jiangfeng Zhang,

MAFF received a letter from Agri Consulting Europe S.A., requested replacement of Mr. Phai Sokheng, K-8: National Project Management and Rural Infrastructure Specialist/Deputy Team Leader - CS1 Contract.

The Procurement Review Committee was reviewed three (3) CVs and the evaluation scores sheet done by MRD. The PRC minutes for this meeting was prepared and sent to MEF for further review and signature. We were concurring to select **Mr. Keo Chandara** for this replacement.

Please accept, Mr. Jiangfeng Zhang, the assurances of my highest consideration.

We look forward to receiving no-objection at your earliest convenience.

Sincerely yours, 



Dr. Sam Chhom Sangha
Deputy Secretary General, MAFF
Project Director of CFAVC Project

cc: H.E. Chan Darong, Secretary of State and Project Director, MRD
Mr. Houl Bunnaroth, Director, Department of Multilateral Cooperation (DMC), DGICDM, MEF
Dr. Srinivasan Ancha, Principal Climate Change Specialist, SEER
Mr. Long Piseth, ADB Cambodia Resident Mission

**KINGDOM OF CAMBODIA
NATION RELIGION KING**

**Ministry of Water Resources and Meteorology
Project Management Unit-ADB MOWRAM
No. 715 ADB & WB MOWRAM**

Phnom Penh, 30th November, 2022

**Att: Jiangfeng Zhang, Director
Environment, Natural Resources and Agriculture Division
Southeast Asia Department**

CC

:

1. Im Soursdey, Deputy Director of FWUC Department, Project Manager of CFAVC
2. Sok Boren, Procurement Specialist of PMU-MOWRAM
3. Dinesh Kumar Shrestha, Team Leader of CS5/FSDD of CFAVC Project
4. Ngin Kosal, Project Manager CFAVC Sector Project

Request for Non Object Letter (NOL) of DDR of Contract no. CW14-1

Dear Zhang,

As Secretary of State, MOWRAM, Director of PMU-ADB and Director of CFAVC, herewith enclose of Bidding Document of Kampong Cham Irrigation Subproject Package No. CFAVC-MOWRAM-KPC-CW14-1 of O'Kamprok and Pram Kompheak Irrigation Subproject.

I would like to inform you that the Package No. CFAVC-MOWRAM-KPC-CW14-1 of O'Kamprok and Pram Kompheak Irrigation Subproject had classified in the category C and also summary of DDR had put in this bidding Document.

As Director of CFAVC had reviewed Package No. CFAVC-MOWRAM-KPC-CW14-1 of Irrigation Subproject document and it was Comprehensive and Certified.

Thereafter, PUM-MOWRAM would like to request you for NOL for above subproject.

We are looking forward to hear your comments and cooperation.

Yours Sincerely,



H.E CHHAN SINATH,
Secretary of State,
Ministry Water Resources and Meteorology (MOWRAM)
Director of PMU-ADB and WB MOWRAM,
Project Director of CFAVC

NATION RELIGION KING

Ministry of Water Resources and Meteorology
Project Management Unit-ADB MOWRAM
No. 716 ADB & WB MOWRAM

Phnom Penh, 30th November, 2022

Att: Jiangfeng Zhang, Director
Environment, Natural Resources and Agriculture Division
Southeast Asia Department

CC:

1. Im Soursdey, Deputy Director of FWUC Department, Project Manager of CFAVC
2. Monzurul Hoq, CS1/PIC International Social Safeguards Specialist
3. Indah Setyatvati, Social Safeguards Specialist
4. Dinesh Kumar Shrestha, Team Leader of CS5/FSDD of CFAVC Project
5. P. Long, ADB-Cambodia Residential Mission
6. Ms. Karen L. Chua, Operation Officer, SEER
7. Dr. Srinivasan Ancha, Principle Climate Change Specialist and Mission Leader
Environment, Natural Resources and Agriculture Division

Endorsement for Disclosing of DDR Report of Package No. CW14-1 in Kampong Cham

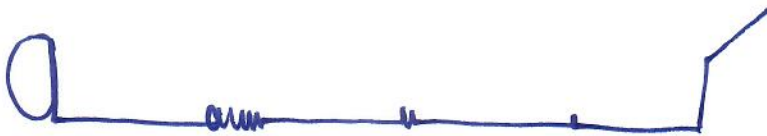
Dear Zhang,

In respond to your Ref: Doc log no. 48409-002_37 about Loan 3661/8346 and G0579 Cam: Climate-Friendly Agribusiness Value Chains Sector Project- Due Diligent Report (DDR) for Kampong Cham province under contract Package No. CFAVC-MOWRAM-KPC-CW14-1.

As Secretary of State, Ministry Water Resources and Meteorology (MOWRAM) and Project Director of PMU-ADB and WB MOWRAM, endorsed the DDR report as mentioned above to be attached to the contract agreement of the awarded bidder and MOWRAM Endorsed and acknowledged that the DDR report of Package No. CFAVC-MOWRAM-KPC-CW14-1 Disclose into ADB's Website which affected by my signature below.

We are greatly appreciated on your continuous support and cooperation.

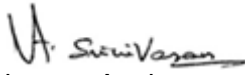

Yours Sincerely,



H.E CHHAN SINATH,
Secretary of State,
Ministry Water Resources and Meteorology (MOWRAM)
Director of PMU-ADB and WB MOWRAM,
Project Director of CFAVC



ASIAN DEVELOPMENT BANK
6 ADB Avenue, Mandaluyong City
1550 Metro Manila, Philippines
Tel +63 2 632 4444
www.adb.org

To: Dr. Sam Chhom Sangha Project Director, CFAVC Deputy Secretary General Ministry of Agriculture, Forestry and Fisheries, Phnom Penh, Cambodia	Date: 27 October 2022
Originator:  Srinivasan Ancha Principal Climate Change Specialist, SEER	Endorsed by:  Aliya Mukhamedyarova Unit Head, Project Administration, SEER

**Subject: Loans 3661/8346 and G0579 CAM: Climate-Friendly Agribusiness Value Chains Sector Project
– No-Objection to the Bid Evaluation Report for the Construction of 21 Agricultural Cooperative Storage Units in Two Lots (Package No.: CW3b)**

Dear Dr. Sangha:

This refers to the bid evaluation report for the procurement of works for the 21 agricultural cooperative storage units in 2 lots, subject to ADB's prior review. Based on our review and additional clarifications from your office on 14 September 2022 and 18 October 2022, we have no objection to your recommendation to award the package to K.B.H. Construction Co., Ltd., as the substantially responsive and lowest evaluated bidder for lot 1 - \$799,471.99 and lot 2 - \$1,297,472.92, with a total amount of **\$2,096,944.91**, inclusive of value-added tax.

Prior to starting the works, please ensure that ADB's endorsement to the due diligence report is secured which is currently being revised by the project implementation consultant. In case if the contract cannot be signed before 15 November 2022, which is the current bid validity date, please request the bidders to extend the bid validity date.¹

We request your attention to Attachment 1 recommending additional guidance on how to conduct bid evaluation in future.

We are grateful for your continuous support to the project.

Sincerely,


Jiangfeng Zhang
Director

Environment, Natural Resources and Agriculture Division, Southeast Asia Department

¹ Understood that submission of performance security and return of signed contract to the client requires at least 28 days and may exceed the current bid validity date.

Attachment: a/s

cc: H.E. Vongsey Vissoth, Minister attached to the Prime Minister and Permanent Secretary of State, Ministry of Economy and Finance (MEF)
H.E. Hem Vannady, Secretary of State, Ministry of Economy and Finance (MEF)
H.E. Pen Thirong, Under Secretary of State, MEF
H.E. Chhuon Samrith, Director General, General Department of International Cooperation and Debt Management (GDICDM), MEF
H.E. Chann Sinath, Secretary of State and Project Director, MOWRAM
H.E. Chan Darong, Secretary of State and Project Director, MRD
Mr. Yi Sokthearith, Deputy Director General, MEF
Mr. Houll Bonnaroth, Director, Department of Multilateral Cooperation, GDICDM, MEF
Mr. Non Wattanak, Deputy Director, Department of Multilateral Cooperation, GDICDM, MEF
Ms. Veng Youim, Deputy Director, Office of Multilateral Cooperation 1, DMC, GDICDM, MEF
Mr. Chan Sopanhavorn, Chief, OMC1, DMC, GDICDM, MEF
Ms. Ieng Sreyleap, Deputy Chief, OMC 1, DMC, GDICDM, MEF (ieng.sreyleapi2@gmail.com)
Mr. Ouch Kithya, Assistant to Director Bonnaroth, MEF (kithyaouch@gmail.com)
Mr. Willem J. van Diest, Team Leader, CS1 Project Implementation Consulting firm (vandiast@hotmail.com)
Mr. Dinesh Shrestha, Team Leader, CS5 Feasibility Study and Detailed Engineering Design firm (dkstrasik@yahoo.com)
Ms. Jyotsana Varma, Country Director, CARM
P. Long, ADB-Cambodia Resident Mission

Ref: *Doc log no. 48409-002_107*

SA/kc

Attachment 1

Key Observations:

1. ADB agrees that Bidder 4: Samnang Borey Kamkor Co., Ltd. is non-responsive due to non-response to the request for extension of the bid validity from 1 October 2022 to 15 November 2022 rendering the bid invalid and not because of:

- a. The 2021 AEFS was unsigned by the company management;
- b. The work program and schedule were not submitted; and
- c. The COVID-19 Health and Safety Plan was not submitted.

In accordance with ITB 23, additional clarifications should have been sought for items (a) to (c).

It was noted that item (a) was not signed by the company management and was signed only by the auditing firm. The Bid Evaluation Committee (BEC) should have reconfirmed with the bidder why the company management failed to sign the report. In addition, if the BEC declared the report as non-responsive due to the absence of the company management's signature, the bidder should not have been evaluated against the financial requirements as data under this report is considered not verifiable. This decision should also have been properly reflected in the bid evaluation report (e.g., compliance with historical financial performance should have been "fail", and compliance with average annual turnover should have been "fail").

2. The bid evaluation reported "some big variance" on certain bill items. Though the BEC noted that other prices are found to be reasonable, the BEC should have either (a) requested clarification on the reasons for this big variance, or (b) clearly stated that these variances were found to be acceptable.

3. Please ensure that future bid evaluation report should clearly include
- a. reasons why bid extension is requested;
 - b. the date the bidder responded to any clarifications sent by the BEC; and
 - c. the content of the response from the bidder and the findings of the EA or BEC.



ANNEX 2: Physical Progress October - December 2022

ADB Loan No. 3661-CAM (COL)/8346-CAM (EF)
Grant No. 0579-CAM (EF)

CS1 - 001 SER: Project Implementations Consulting

FOURTH QUARTERLY PROGRESS REPORT 2022
OCTOBER - DECEMBER

Prepared by

Annex 2. Physical Progress October - December 2022

Annex 2.1 MEF PROGRESS

Status : December 2022

ACTIVITY/Implementing Agency		Assigned Weight	WEIGHT PROGRESS (%)												
			31/12/2019	31/03/2020	30/06/2021	30/09/2021	31/12/2020	31/03/2021	30/06/2021	30/09/2021	31/12/2021	31/03/2022	30/06/2022	30/09/2022	31/12/2022
1	Establish project PMU & PRC	0.50%	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
2	Recruitment of Consultants	0.50%	0.60	0.65	0.65	0.65	0.65	0.65	0.65	0.60	0.65	0.65	0.70	0.70	0.75
3	PMU Operation	4.00%	1.10	1.22	1.44	1.66	1.88	2.00	2.10	2.20	2.30	2.40	2.50	2.60	2.70
4	Social Safeguards and Resettlement	2.00%	0.10	0.12	0.14	0.16	0.18	0.20	0.22	0.24	0.26	0.28	0.30	0.32	0.34
5	Environmental Management	2.00%	0.10	0.12	0.14	0.16	0.18	0.20	0.22	0.24	0.26	0.28	0.30	0.32	0.34
6	Gender	1.00%	0.05	0.06	0.07	0.08	0.09	0.10	0.11	0.12	0.13	0.14	0.15	0.16	0.17
7	Implementation of Output 1 - MAFF	27.50%	0.03	0.01	1.09	1.88	2.91	3.45	4.16	1.88	5.68	5.96	6.70	8.20	9.83
8	Implementation of Output 1 - MOWRAM	17.50%	0.13	0.08	0.49	0.49	1.25	2.04	1.79	0.49	2.60	3.39	4.02	4.98	5.34
9	Implementation of Output 1 - MRD	13.50%	0.03	0.03	0.63	0.59	1.16	2.54	1.98	0.59	2.57	3.42	3.75	4.32	4.41
11	Implementation of Output 2 - MAFF	12.60%	0.11	0.10	0.55	0.61	1.05	1.67	2.31	2.45	2.48	3.07	4.00	4.44	5.94
12	Implementation of Output 2 - MOWRAM	5.40%	0.07	0.08	0.25	0.37	0.45	0.58	0.56	0.54	0.61	0.76	0.84	1.09	1.18
13	Implementation of Output 3 - MAFF	13.50%	0.03	0.77	1.09	1.37	1.60	1.84	2.01	2.35	2.76	3.28	4.10	4.60	5.41
TOTAL (%)		100.00%	2.85	3.74	7.04	8.53	11.91	15.77	16.57	12.26	20.81	24.20	27.87	32.22	36.92

Annex 2.2 IE PROGRESS

Status : December 2022

Output and Activities	Assigned weight	WEIGHTED PROGRESS (%)													
		31/12/19	3/20	6/20	9/20	12/20	3/21	6/21	9/21	12/21	3/22	6/22	9/22	12/22	
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	0.14	0.09	0.50	0.50	1.33	1.59	1.87	0.50	2.74	3.36	4.06	4.50	4.81
1.b	800 On-farm rainwater harvesting ponds commissioned (incl. 15 drip irrigation)	5.00	0.00	0.00	0.04	0.04	0.06	0.67	0.12	0.04	0.16	0.41	0.41	1.03	1.13
1.c	At least 250 Km Farm roads upgraded to climate resilient standards to improve Connectivity to Cooperatives and Markets	15.00	0.03	0.03	0.70	0.66	1.29	2.83	2.20	0.66	2.86	3.80	4.17	4.80	4.90
1.d	80 Agricultural cooperatives have integrated adaptation measures in postharvest infrastructural investments	15.00	0.03	0.01	0.33	0.45	0.83	0.97	1.34	0.45	2.16	1.83	1.83	1.76	2.77
1.e	Crop product quality and safety testing infrastructure in National Agriculture Laboratory upgraded	5.00	0.00	0.00	0.75	1.50	2.00	2.31	2.58	1.50	3.10	3.36	3.60	4.79	4.99
1.f1	12,000 Bio-digesters made operational benefitting 40,000 persons (50% are women)	5.00	0.00	0.00	0.03	0.03	0.21	0.30	0.39	0.03	0.57	0.67	1.15	1.63	1.78
1.f2	6,000 Compost-huts made operational benefitting 40,000 persons (50% are women)	5.00	0.00	0.00	0.11	0.11	0.19	0.25	0.31	0.11	0.49	0.77	0.88	0.93	1.39
Sub-total Output 1		65.00	0.20	0.12	2.46	3.30	5.91	8.92	8.81	3.30	12.06	14.20	16.09	19.44	21.77
Output 2 – Climate-smart Agriculture and Agribusiness Promoted															
2.a	3 Additional climate-resilient varieties of rice and maize released	5.00	0.00	0.01	0.13	0.14	0.23	0.35	0.41	0.44	0.44	0.45	0.45	0.46	0.63
2.b	40,000 Farmers trained in Climate-smart Agriculture and agribusiness development skills	5.00	0.13	0.11	0.20	0.20	0.39	0.63	0.51	0.54	0.57	0.81	0.99	1.17	2.67
2.c.1	27 FWUCS of FWUGS made full operational	3.00	0.07	0.08	0.27	0.40	0.49	0.64	0.61	0.59	0.66	0.81	0.84	1.05	1.07
2.c.2	500 FWUCS of FWUGS developed capacity to operate and maintain their irrigation schemes	3.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.04	0.10	0.16	0.24
2.d.1	4 Agricultural development centers made fully operational to provide agribusiness services	2.00	0.00	0.00	0.14	0.17	0.28	0.44	0.83	0.88	0.88	1.08	1.50	1.65	1.65
2.d.2	4 Engineering workshops made fully operational to provide agribusiness services	2.00	0.00	0.00	0.14	0.17	0.28	0.44	0.83	0.88	0.88	1.08	1.50	1.65	1.65
Sub-total Output 2		20.00	0.20	0.21	0.89	1.09	1.67	2.50	3.19	3.33	3.44	4.26	5.38	6.14	7.91
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	0.00	0.07	0.14	0.16	0.18	0.21	0.28	0.29	0.32	0.34	0.38	0.41	0.44
3.b	Good Agriculture Practice for tropical fruit endorsed	2.00	0.04	0.51	0.61	0.69	0.79	0.85	0.88	1.01	1.05	1.13	1.21	1.34	1.35
3.c	Good Agriculture Practice for organic fertilizer endorsed	2.00	0.00	0.16	0.31	0.36	0.39	0.51	0.51	0.59	0.71	0.98	1.05	1.16	1.16
3.d	50 Staff from financial institutions trained in CSA and green finance	2.00	0.00	0.06	0.08	0.22	0.30	0.33	0.33	0.37	0.46	0.53	0.57	0.62	0.76
3.e	30 agribusinesses trained in green finance and CSA	2.00	0.00	0.06	0.08	0.10	0.12	0.14	0.16	0.18	0.20	0.24	0.74	0.84	1.57
3.f	20,000 Households provided with information on climate risk-sharing instruments	2.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.18	0.33	0.43	0.60	0.75	0.75
3.g	Supporting Climate Risk Management through Information and Communication Technologies (ICT)	3.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sub-total Output 3		15.00	0.04	0.86	1.21	1.52	1.78	2.04	2.24	2.61	3.06	3.65	4.55	5.11	6.02
III	MAFF														
	Output 1	30.50	0.03	0.01	1.21	2.09	3.23	3.83	4.63	2.09	6.31	6.63	7.45	9.11	10.93
	Output 2	14.00	0.13	0.12	0.61	0.67	1.17	1.85	2.57	2.73	2.76	3.41	4.45	4.93	6.60
	Output 3	15.00	0.04	0.86	1.21	1.52	1.78	2.04	2.24	2.61	3.06	3.65	4.55	5.11	6.02
	Sub-total	59.50	0.19	0.98	3.03	4.29	6.18	7.73	9.43	7.42	12.14	13.69	16.45	19.16	23.54
	MOWRAM														
	Output 1	19.50	0.14	0.09	0.55	0.55	1.39	2.26	1.99	0.55	2.89	3.77	4.47	5.54	5.94
	Output 2	6.00	0.08	0.09	0.28	0.41	0.50	0.65	0.63	0.60	0.68	0.85	0.94	1.21	1.31
	Sub-total	25.50	0.22	0.18	0.83	0.96	1.89	2.91	2.61	1.15	3.57	4.62	5.40	6.74	7.25
	MRD	15.00	0.03	0.03	0.70	0.66	1.29	2.83	2.20	0.66	2.86	3.80	4.17	4.80	4.90
TOTAL Outputs (1 + 2 + 3)		100.00	0.44	1.19	4.56	5.91	9.36	13.46	14.24	9.23	18.57	22.11	26.02	30.69	35.69

Annex 2.3 DMF PROGRESS

Status : December 2022

Output and Activities		Assigned weight	WEIGHTED PROGRESS (%)												
			31/12/19	3/20	6/20	9/20	12/20	3/21	6/21	9/21	12/21	3/22	6/22	9/22	12/22
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	0.14	0.09	0.50	0.50	1.33	1.59	1.87	2.38	2.74	3.36	4.06	4.50	4.81
1.b	800 On-farm rainwater harvesting ponds commissioned (incl. 15 drip irrigation)	5.00	0.00	0.00	0.04	0.04	0.06	0.67	0.12	0.15	0.16	0.41	0.41	1.03	1.13
1.c	At least 250 Km Farm roads upgraded to climate resilient standards to improve Connectivity to Cooperatives and Markets	15.00	0.03	0.03	0.70	0.66	1.29	2.83	2.20	2.50	2.86	3.80	4.17	4.80	4.90
1.d	80 Agricultural cooperatives have integrated adaptation measures in postharvest infrastructural investments	15.00	0.03	0.01	0.33	0.45	0.83	0.97	1.34	1.69	2.16	1.83	1.83	1.76	2.77
1.e	Crop product quality and safety testing infrastructure in National Agriculture Laboratory upgrade	5.00	0.00	0.00	0.75	1.50	2.00	2.31	2.58	2.84	3.10	3.36	3.60	4.79	4.99
1.f1	12,000 Bio-digesters made operational benefitting 40,000 persons (50% are women)	5.00	0.00	0.00	0.03	0.03	0.21	0.30	0.39	0.50	0.57	0.67	1.15	1.63	1.78
1.f2	6,000 Compost-huts made operational benefitting 40,000 persons (50% are women)	5.00	0.00	0.00	0.11	0.11	0.19	0.25	0.31	0.39	0.49	0.77	0.88	0.93	1.39
sub-total Output 1		65.00	0.20	0.12	2.46	3.30	5.91	8.92	8.81	10.44	12.06	14.20	16.09	19.44	21.77
Output 2 – Climate-smart Agriculture and Agribusiness Promoted															
2.a	3 Additional climate-resilient varieties of rice and maize released	5.00	0.00	0.01	0.13	0.14	0.23	0.35	0.41	0.44	0.44	0.45	0.45	0.46	0.63
2.b	40,000 Farmers trained in Climate-smart Agriculture and agribusiness development skills	5.00	0.13	0.11	0.20	0.20	0.39	0.63	0.51	0.54	0.57	0.81	0.99	1.17	2.67
2.c.1	27 FWUCS of FWUGS made full operational	3.00	0.07	0.08	0.27	0.40	0.49	0.64	0.61	0.59	0.66	0.81	0.84	1.05	1.07
2.c.2	500 FWUCS of FWUGS developed capacity to operate and maintain their irrigation schemes	3.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.04	0.10	0.16	0.24
2.d.1	4 Agricultural development centers made fully operational to provide agribusiness services	2.00	0.00	0.00	0.14	0.17	0.28	0.44	0.83	0.88	0.88	1.08	1.50	1.65	1.65
2.d.2	4 Engineering workshops made fully operational to provide agribusiness services	2.00	0.00	0.00	0.14	0.17	0.28	0.44	0.83	0.88	0.88	1.08	1.50	1.65	1.65
sub-total Output 2		20.00	0.20	0.21	0.89	1.09	1.67	2.50	3.19	3.33	3.44	4.26	5.38	6.14	7.91
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	0.00	0.07	0.14	0.16	0.18	0.21	0.28	0.29	0.32	0.34	0.38	0.41	0.44
3.b	Good Agriculture Practice for tropical fruit endorsed	2.00	0.04	0.51	0.61	0.69	0.79	0.85	0.88	1.01	1.05	1.13	1.21	1.34	1.35
3.c	Good Agriculture Practice for organic fertilizer endorsed	2.00	0.00	0.16	0.31	0.36	0.39	0.51	0.51	0.59	0.71	0.98	1.05	1.16	1.16
3.d	50 Staff from financial institutions trained in CSA and green finance	2.00	0.00	0.06	0.08	0.22	0.30	0.33	0.33	0.37	0.46	0.53	0.57	0.62	0.76
3.e	30 agribusinesses trained in green finance and CSA	2.00	0.00	0.06	0.08	0.10	0.12	0.14	0.16	0.18	0.20	0.24	0.74	0.84	1.57
3.f	20,000 Households provided with information on climate risk-sharing instruments	2.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.18	0.33	0.43	0.60	0.75	0.75
3.g	Supporting Climate Risk Management through Information and Communication Technologies (ICT)	3.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
sub-total Output 3		15.00	0.04	0.86	1.21	1.52	1.78	2.04	2.24	2.61	3.06	3.65	4.55	5.11	6.02
OUTPUT	Output 1	65.00	0.20	0.12	2.46	3.30	5.91	8.92	8.81	10.44	12.06	14.20	16.09	19.44	21.77
	Output 2	20.00	0.20	0.21	0.89	1.09	1.67	2.50	3.19	3.33	3.44	4.26	5.38	6.14	7.91
	Output 3	15.00	0.04	0.86	1.21	1.52	1.78	2.04	2.24	2.61	3.06	3.65	4.55	5.11	6.02
TOTAL Output (1 + 2 + 3)		100.00	0.44	1.19	4.56	5.91	9.36	13.46	14.24	16.38	18.57	22.11	26.02	30.69	35.69

Annex 2.4 DETAILS PHYSICAL PROGRESS OUTPUT 1

Status : December 2022

1	2	3	4	5	6	7	8	Progress in June 2022			Progress in Sept 2022			Progress Dec 2022		
								Current Progress %	Accumulated Progress	Weighted Progress (%)	Current Progress %	Accumulated Progress	Weighted Progress (%)	Current Progress %	Accumulated Progress	Weighted Progress (%)
								39	40	41	42	43	44	45	46	47
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	27.00	0.75	100.00	27.00	0.75	100.00	27.00	0.75
		Step 1B Feasibility Study incl safeguards	Schemes		27	10	1.5	40.74	11.00	0.61	44.44	12.00	0.67	48.15	13.00	0.72
		Step 2 Topographic Survey	Ha		15,000	10	1.5	100.00	15,000.00	1.50	100.00	15,000.00	1.50	100.00	15,000.00	1.50
		Step 3 + 4DED & Tender file	Ha		15,000	10	1.5	53.33	8,000.00	0.80	60.00	9,000.00	0.90	66.67	10,000.00	1.00
		Procurement	Ha		15,000	5	0.75	9.33	1,400.00	0.07	18.33	2,750.00	0.14	23.33	3,500.00	0.18
		Rehabilitated & Climate resilient	Ha		15,000	55	8.25	4.00	600.00	0.33	6.67	1,000.00	0.55	8.00	1,200.00	0.66
		O&M	Schemes		27	5	0.75	0.00	-	0.00	0.00	-	0.00	0.00	-	0.00
		Sub-total				100	15			4.06			4.50			4.81
1.b	800 On-farm rainwater harvesting ponds commissioned (incl. 15 drip irrigation)	Identification of ponds	no	5	800	7.5	0.375	25.00	200.00	0.19	32.50	260.00	0.24	32.50	260.00	0.24
		Farm identification for drip system	no		15	2.5	0.125	13.33	2.00	0.20	13.33	2.00	0.20	13.33	2.00	0.20
		DED Ponds	no		800	20	1	1.33	200.00	0.02	32.50	260.00	0.49	32.50	260.00	0.49
		DED Drip system	no		15	5	0.25	0.01	2.00	0.00	13.33	2.00	0.10	13.33	2.00	0.20
		Procurement & Implementation ponds	no		800	50	2.5	0.00	-	0.00	0.00	-	0.00	0.00	-	0.00
		Drip systems installation	no		15	15	0.75	0.00	-	0.00	0.00	-	0.00	0.00	-	0.00
		Sub-total				100	5			0.41			1.03			1.13
1.c	At least 250 Km Farm roads upgraded to climate resilient standards to improve Connectivity to Cooperatives and Markets	Step 1A: Identification	km	15	250	5	0.75	100.00	271.95	0.75	100.00	272.0	0.75	100.00	272.0	0.75
		Step 1B Feasibility Study incl Safeguards	km		250	10	1.5	100.00	71.0	1.50	100.00	71.0	1.50	100.00	71.0	1.50
		Step 2:Topographic Survey	km		250	10	1.5	100.00	267.9	1.50	100.00	272.0	1.50	100.00	272.0	1.50
		Step 3+4 DED & Tender file	km		250	10	1.5	1.00	149.8	0.01	1.17	175.8	0.01	1.32	197.4	0.01
		Rehabilitated & Climate resilient	km		250	60	9	0.04	6.0	0.00	0.08	12.3	0.01	0.10	15.0	0.01
		O&M	km		250	5	0.75	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00
		Sub-total				100	15			4.17			4.80			4.90
1.d	80 Agricultural cooperatives have integrated adaptation measures in postharvest infrastructural investments	Identification	No	15	80	5	0.75	240.74	65.00	0.75	100.00	80.00	0.75	100.00	80.00	0.75
		Site location Survey	no		80	5	0.75	100.00	65.00	0.75	100.00	80.00	0.75	100.00	80.00	0.75
		DED & Tender file	no		3	10	1.5	0.01	2.00	1.00	0.01	2.00	1.00	0.02	2.50	1.25
		Procurement	no		3	10	1.5	9.33	1,400.00	0.07	0.01	2.00	0.00	0.01	2.00	0.00
		Construction	No		80	65	9.75	0.07	10.00	0.01	0.13	20.00	0.01	0.23	35.00	0.02
		O&M	no		80	0	0.75	0.00	-	0.00	0.00	-	0.00	0.00	-	0.00
		Sub-total				95	15			1.83			1.76			2.77
1.e	Crop product quality and safety testing infrastructure in National Agriculture Laboratory upgraded	TNA for LAB staff	No	5	1	10	0.5	0.01	1.00	0.50	0.01	1.00	0.50	0.01	1.00	0.50
		DED & Procurement	No		1	20	1	0.01	1.00	1.00	0.01	1.00	1.00	0.01	1.00	1.00
		Implementation	No		1	60	2.5	0.01	0.80	0.00	0.01	0.90	0.00	0.01	1.00	0.00
		Training of staff	Person		100	10	0.5	0.16	24.00	0.01	0.17	26.00	0.01	0.17	26.00	0.01
		On-the job training	Person		500	10	0.5	277.78	75.00	2.08	437.04	118.00	3.28	462.96	125.00	3.47
					Sub-total				100	5			3.60			4.79
1.f.1	12,000 Bio-digesters made operational benefitting 80,000 persons (50% are women)	Identification of Bio-digesters	Biodigester	5	12000.00	10.00	0.50	18.47	2216.00	0.28	21.60	2592.00	0.32	26.61	3193.00	0.40
		National Policy and Standards of Biodigester and bioslurry	policy		1.00	10.00	0.50	75.00	0.75	0.75	85.00	0.85	0.85	85.00	0.85	0.85
		DED & Tender file	document		4.00	10.00	0.50	0.01	1.25	0.00	0.01	1.35	0.20	39.00	1.55	0.20
		Procurement	document		4.00	10.00	0.50	0.01	0.80	0.00	0.01	0.93	0.11	0.01	1.00	0.13
		Construction of biodigesters	Biodigester		12,000.00	50.00	2.50	0.00	0.00	0.00	0.02	3.00	0.00	0.37	55.00	0.03
		Training of beneficiaries	Perons		53,333.00	10.00	0.50	16.35	8,721.00	0.12	19.30	10,293.00	0.14	24.25	12,931.00	0.18
		Sub-total				100.00	5.00			1.15			1.63			1.78
1.f.2	6,000 Compost-huts made operational benefitting 20,000 persons (50% are women)	Identification of compost-huts	Compost hut	5	6,000.00	10.00	0.50	6.41	962.00	0.10	12.69	1,903.00	0.19	15.17	2,276.00	0.23
		DED & Tender file	document		4.00	20.00	1.00	31.25	1.25	0.47	0.01	1.50	0.50	0.01	1.50	0.50
		Procurement	document		4.00	10.00	0.50	20.00	0.80	0.15	20.00	0.90	0.15	25.00	1.00	0.19
		Construction of compost huts	Compost hut		6,000.00	50.00	2.50	0.02	3.10	0.00	0.02	3.00	0.02	0.14	21.00	0.04
		Training of beneficiaries	Persons		26,666.00	10.00	0.50	21.40	3,210.00	0.16	13.87	3,699.00	0.07	58.00	4,999.00	0.44
					Sub-total				100.00	5.00			0.88			0.93
Total for Output 1				65			65.00			16.09			19.44			21.77

Annex 2.5 DETAILS PHYSICAL PROGRESS OUTPUT 2

Status : December 2022

1	2	3	4	5	6	7	8	Progress June 2022			Progress Sept 22			Progress in Dec 2022		
								Current Progress %	Accumulated progress	Weighted Progress (%)	Current Progress %	Accumulated progress	Weighted Progress (%)	Current Progress %	Accumulated progress	Weighted Progress (%)
								39	40	41	42	43	44	45	46	47
2.a	3 Additional climate-resilient varieties of rice and maize released	Development of new rice varieties	Varieties	5	2	50	2.5	0.00	-	0.00	0.00	-	0.00	0.00	-	0.00
		Development of new maize varieties	Variety		1	20	1	0.00	-	0.00	0.00	-	0.00	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	30.00	300.00	0.06	40.00	400.00	0.06	45.00	450.00	0.07
		Multiplication of maize seed (CM1) varieties	Seeds		3	3	0.15	3,000.00	0.90	0.05	33.00	1.00	0.05	33.33	1.00	0.05
		Distribution of rice seeds for demonstration seed production (PRD, PMD) for WS and CAR 16 for DS	Seeds		160	3	0.15	75.00	120.00	0.03	17.00	150.00	0.03	93.75	150.00	0.14
		Distribution of maize for seed production	Seeds		3	4	0.2	26.67	0.80	0.03	5.00	1.00	0.03	33.33	1.00	0.07
		Training of farmer group on BMP (240 courses)	Persons		10,000	4	0.2	2.20	220.00	0.02	2.41	241.00	0.02	2.50	250.00	0.01
		Training of farmer group on rice seed production (120 courses)	Persons		4,000	4	0.2	62.50	2,500.00	0.15	75.00	3,000.00	0.15	87.50	3,500.00	0.18
		Field day (120 events)	People		15,000	2.5	0.125	23.33	3,500.00	0.03	28.03	4,205.00	0.03	30.00	4,500.00	0.04
		Site identification for Cassava seeds demonstration	Demo		40	2.5	0.125	40.00	16.00	0.07	45.00	18.00	0.08	50.00	20.00	0.06
		Laser Land Leveling (LLL)	Demo/ha		4,000	4	0.2	10.00	400.00	0.02	10.75	430.00	0.02	11.75	470.00	0.02
		Sub-total							100	5.00			0.45		0.46	
2.b	40,000 Farmers trained in Climate-smart Agriculture and agribusiness development skills	Training of TOT-Trainers	Persons	5	80	3	0.15	62.50	50	0.09	75.00	60.00	0.10	75.00	60.00	0.10
		Drafting of training material for climate smart agriculture	set		1	2	0.1	100.00	1.0	0.10	2.00	1.00	0.10	100.00	1.00	0.10
		Implementation of comprehensive Needs assessment	set		4	2	0.1	60.00	2.40	0.06	12.50	2.50	0.06	350.00	14.00	0.35
		Drafting of training material for agribusiness development	set		1	3	0.15	80.00	1	0.12	28.33	0.85	0.12	90.00	0.90	0.14
		Farmers trained on CAMGAP standards	Persons		500	15	0.75	33.00	165	0.25	38.00	190.00	0.20	44.00	220.00	0.33
		Farmers trained on CSA	Persons		20,000	25	1.25	8.25	1,650	0.10	39.78	7,956.00	0.26	73.94	14,787.00	0.92
		Farmers trained on SRP	Persons		20,000	20	1	27.00	5,400	0.27	46.66	9,331.00	0.33	73.31	14,662.00	0.73
		Farm mechanization and agriculture conservation	Persons		9,500	15	0.75	0.00	0.0	0.00	25.87	2,458.00	0.00	0.00	-	0.00
Sub-total						100	5.00			0.99		1.17			2.67	
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	33.33	1.00	0.08	33.33	1.00	0.08
		Initial meeting with local authorities	meeting		27	5	0.15	59.26	16.00	0.09	34.00	17.00	0.09	62.96	17.00	0.12
		Village meeting	meeting		54	10	0.3	27.78	15.00	0.08	32.00	16.00	0.18	25.93	14.00	0.20
		Screening potential candidates FWUC committee	FWUC		27	10	0.3	18.52	5.00	0.06	12.00	6.00	0.07	44.44	12.00	0.23
		Candidate selection	FWUC		27	10	0.3	18.52	5.00	0.06	10.00	5.00	0.06	29.63	8.00	0.02
		Village representation election	FWUC		27	10	0.3	14.81	4.00	0.04	8.00	4.00	0.04	25.93	7.00	0.05
		FWUC committee election	FWUC		27	15	0.45	11.11	3.00	0.30	12.00	6.00	0.30	22.22	6.00	0.30
		FWUC formation	FWUC		27	25	0.75	11.11	3.00	0.08	12.00	6.00	0.17	0.00	-	0.00
		Registration	FWUC		27	12.5	0.375	11.11	3.00	0.05	12.00	6.00	0.07	0.00	-	0.07
		Sub-total							100	3.00			0.84		1.05	
2.c.2	500 FWUCS of FWUGS, developed capacity to operate and maintain their irrigation schemes	Preparation of training material on o	set	3	27	10	0.3	18.52	5.00	0.06	29.63	8.00	0.09	44.44	12.00	0.13
		Preparation of training material on maintenance	set		27	10	0.3	14.81	4.00	0.04	22.22	6.00	0.07	37.04	10.00	0.11
		Trained FWUCs of FWUGS on schemes management	Persons		500	70	2.1	0.00	-	0.00	0.00	-	0.00	0.00	-	0.00
		Application of MEF budget (FWUC)	FWUC		27	10	0.3	0.00	-	0.00	0.00	-	0.00	0.00	-	0.00
Sub-total						100	3.00			0.10		0.16			0.24	
2.d.1	4 Agricultural development centers made fully operational to provide agribusiness services	Identification and Initial Survey	No	2	4	10	0.2	133.33	4.00	0.20	100.00	4.00	0.20	133.33	4.00	0.20
		DED & Tender file	No		4	35	0.7	100.00	3.00	0.50	75.00	3.00	0.70	100.00	3.00	0.70
		Procurement	No		4	10	0.2	100.00	3.00	0.15	75.00	3.00	0.15	100.00	3.00	0.15
		Construction	No		4	40	0.8	2.00	3.00	0.65	75.00	3.00	0.60	75.00	3.00	0.60
		Training of users (50% are women)	No		4	5	0.1	0.00	-	0.00	0.00	-	0.00	0.00	-	0.00
		Sub-total							100	2.00			1.50		1.65	
2.d.2	4 Engineering workshops made fully operational to provide agribusiness services	Identification and Initial Survey	No	2	4	10	0.2	133.33	4.00	0.20	100.00	4.00	0.20	133.33	4.00	0.20
		DED & Tender file	No		4	35	0.7	100.00	3.00	0.50	75.00	3.00	0.70	100.00	3.00	0.70
		Procurement	No		4	10	0.2	100.00	3.00	0.15	75.00	3.00	0.15	100.00	3.00	0.15
		Construction	No		4	40	0.8	2.00	3.00	0.65	75.00	3.00	0.60	75.00	3.00	0.60
		Training of users (50% are women)	No		4	5	0.1	0.00	-	0.00	0.00	-	0.00	0.00	-	0.00
		Sub-total							100	2.00			1.50		1.65	
Total for Output 2				15			20.00			5.38		6.14			7.91	

Annex 2.6 DETAILS PHYSICAL PROGRESS OUTPUT 3

Status : December 2022

1	2	3	4	5	6	7	8	Progress June 2022			Progress Sept 22			Progress in Dec 2022		
								Current Progress %	Accumulated progress	Weighted Progress (%)	Current Progress %	Accumulated progress	Weighted Progress (%)	Current Progress %	Accumulated progress	Weighted Progress (%)
								39	40	41	42	43	44	45	46	47
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		0.18	0.07		0.20	0.08		0.25	0.10
		Draft CSA policy	Policy		1	20.00	0.40		0.04	0.02		0.04	0.02		0.05	0.02
		Draft guidance manual for climate neutrality and adaption for agribusiness operation	Prakas		1	20.00	0.40		0.09	0.04		0.09	0.04		0.09	0.04
		Draft IDP strategy for climate friendly agribusiness			1	20.00	0.40		0.60	0.24		0.65	0.26		0.65	0.26
		Draft PPP framework formulated	Framework		1	20.00	0.40		0.04	0.02		0.04	0.02		0.05	0.02
		Sub-total						100.00	2.00			0.38			0.41	
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		0.95	0.38		1.00	0.40		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		0.95	0.29		1.00	0.30		1.00	0.30
		Standards on CamGAP tropical fruit formation	Standard		1	20.00	0.40		0.45	0.18		0.50	0.20		0.50	0.20
		Development of standards for organic fertilizer	Standard		1	15.00	0.30		0.80	0.24		0.90	0.27		0.90	0.27
		Development of IDP strategies for climate friendly agribusiness	Strategy		1	5.00	0.10		0.65	0.07		0.70	0.07		0.75	0.08
		National standards on biodigester development	Standard		1	5.00	0.10		0.60	0.06		1.00	0.10		1.00	0.10
		Socialize GAP Standards for tropical fruit	No		2	20.00	0.40		0.00	0.00		0.00	0.00		0.00	0.00
		Sub-total						100.00	2.00			1.21			1.34	
3.c	Good Agriculture Practice for organic fertilizer endorsed	Assessment TNA on CSA and Green finance	No	2	1	10.00	0.20		0.90	0.18		1.00	0.20		1.00	0.20
		Develop training material for staff training in CSA	No		1	15.00	0.30		0.90	0.27		1.00	0.30		1.00	0.30
		Develop training material for staff training in green finance	No		1	15.00	0.30		0.70	0.21		0.80	0.24		0.80	0.24
		Implementation of training on green finance in CSA	Staff		50	30.00	0.60		0.65	0.39		0.70	0.42		0.70	0.42
		Implementation training in green finance	Staff		50	30.00	0.60		0.00	0.00		0.00	0.00		0.00	0.00
		Sub-total						100.00	2.00			1.05			1.16	
3.d	30 agribusinesses trained in green finance and CSA	Assessment TNA on CSA and Green finance	TNA	2	1	10.00	0.20		0.90	0.18		1.00	0.20		1.00	0.20
		Develop training material for staff training in CSA	no		1	15.00	0.30		0.65	0.20		0.70	0.21		0.85	0.26
		Develop training material for staff training in green finance	no		1	15.00	0.30		0.65	0.20		0.70	0.21		0.70	0.21
		Implementation of training on green finance in CSA	Staff		30	30.00	0.60		0.00	0.00		0.00	0.00		0.15	0.09
		Implement training in green finance	Staff		30	30.00	0.60		0.00	0.00		0.00	0.00		0.00	0.00
		Sub-total						100.00	2.00			0.57			0.62	
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		0.65	0.13		0.80	0.16		0.85	0.17
		Develop training material for staff training in CSA	Set		1	10.00	0.20		0.65	0.13		0.50	0.10		0.70	0.14
		Develop climate risk sharing mechanism /instrument	Set		1	20.00	0.40		0.00	0.00		0.00	0.00		0.15	0.06
		Awareness raising on weather and climate risk information sharing to communities	staff		50	60.00	1.20		20.00	0.48		24.00	0.58	100.00	54.00	1.20
		Sub-total						100.00	2.00			0.74			0.84	
3.f	20,000 Households provided with information on climate risk-sharing instruments	Implementation of TNA	No	2	1	10.00	0.50	0.00	0.80	0.40	0.00	1.00	0.50			0.15
		Develop training material for staff training in green finance	No		1	15.00	0.50	0.00	0.40	0.20	0.00	0.50	0.25			0.60
		Implementation of training on green finance in CSA	Persons		20,000	75.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00			0.00
		Sub-total						100.00	2.00			0.60			0.75	
3.g	Supporting Climate Risk Management through Information and Communication Technologies (ICT)	Development of ICT	No	3	1	55.00	1.65									0.00
		Purchase of equipment	No		1	20.00	0.60									0.00
		Installation of the center	No		1	25.00	0.75									0.00
		Sub-total						100.00	3.00			0.00			0.00	
		Total for Output 3		15			15.00			4.55			5.11			6.02



ANNEX 3: Updated Implementation Progress DMF Status 31 December 2022

ADB Loan No. 3661-CAM (COL)/8346-CAM (EF)
Grant No. 0579-CAM (EF)

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FOURTH QUARTERLY PROGRESS REPORT 2022
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Annex 3 Update DMF Indicators as per 31 December 2022

DMF Performant Milestones/Indicators	Unit	Baseline	Target	Physical Progress				
				PPMS1 (June 2021)	PPM2 (Dec 2021)	PPMS3 (June 2022)	PPMS 4 December 2022	
OUTCOMES (by 2026)								
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 (per ha)	Tons/Ha	2.70	3.105					
Maize (per ha)	Tons/Ha	4.00	4.60					
Cassava (per ha)	Tons/Ha	20.00	23.00					
Mango (per ha)	Tons/Ha	15.00	17.25					
b. GHG emissions reduced by 240,000 tons of CO2 (2017 baseline: 0 tons reduced due to the project)	Tone	0						
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)	Number	0	50	0				
Water saving (5-10% efficient)	%	0						
Energy saving (20%)	%	0						
Post harvesting losses (10%)	%	0						
Output. 1. Critical agribusiness value chain infrastructure improved and made climate resilient								
1.a	Irrigation and water management systems rehabilitated and made climate resilient (2017 baseline: 0).							
	Number of irrigation and water management systems improved	Irrigation Systems	27	0	1	2	3	5
	Size of land with improved irrigation	Ha	15,000	0		260	850	1,200
	Number of households benefitted	Household	25,000	0			1,485	1,905
	Number of women benefitted	woman	50,000	0			2,805	3,825
	Number of scheme O&M plans made	Plans	27	0	0	0	0	1
1.b	On-farm rainwater harvesting ponds commissioned (2017 baseline: 0)	Pond	800	0	0	0	0	0

Climate-Friendly Agribusiness Value Chains Sector Project (CFAVC)
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DMF Performant Milestones/Indicators		Unit	Baseline	Target	Physical Progress			
					PPMS1 (June 2021)	PPM2 (Dec 2021)	PPMS3 (June 2022)	PPMS 4 December 2022
1.c.1	Farm road networks upgraded to climate standards to improve connectivity of farms to cooperatives and markets (2017 baseline: 0)	Km	250	0	0	0	12.0	14.97
1.c.2	Length of Km farm-roads for which an O&M plan is made	KM	250	0	0	0	0	0
1.d.1	Agricultural cooperatives* integrated adaptation measures in post-harvest infrastructure investments (2017 baseline: 5).	AC	80	0	0	0	25	25
1.d.2	Number of ACs for which an O&M plan is made	AC	80	0	0	0	0	0
1.e	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)							
1.e.1	Crop product quality and safety testing infrastructure in National Agricultural Laboratory upgraded to test 1500 samples	Sample	1,500	1,500	0	0	0	0
1.e.2	Crop product quality and safety testing infrastructure in National Agricultural Laboratory upgraded generate service income more than \$75,000	USD	\$75,000	\$75,000	0	0	0	0
1.f.1	Making operational additional bio-digesters due to better household air quality (2017 baseline beneficiaries: 0)							
1.f.1.1	number of Bio-digesters made operational	Bio-digester	12,000	0	3	0	0	55
1.f.1.2	number of persons benefitted?	Person	40,000	0	15	15	270	275
1.f.1.3	number of women benefitted	woman	20,000	0	8	8	148	151
1.f.2	Making operational additional Compost-huts made operational due to better household air quality (2017 baseline beneficiaries)							
1.f.2.1	Numb of compost huts made	Compost hut	6,000	0	3	3	20	21
1.f.2.2	Number of persons benefitted	persons	40,000	0	15	15	100	105
1.f.2.3	Number of women benefitted	woman	20,000	0	8	8	55	57
1.f.3.1	National standard bio-digester and bio-slurry developed	Standard	1		0	0	0	0.30

DMF Performant Milestones/Indicators		Unit	Baseline	Target	Physical Progress				
					PPMS1 (June 2021)	PPM2 (Dec 2021)	PPMS3 (June 2022)	PPMS 4 December 2022	
1.f.3.2	National policy on bio-digester and bio-slurry developed	Policy	1		0	1	1	1	
Outputs. 2. Climate Smart Agriculture and Agribusiness promoted									
2.a.	Additional climate resilient varieties of rice and maize released (2017 baseline: 0).								
	2.a.1	Number of new rice varieties released	Variety	3	0	0	0	0	
	2.a.2	Number of new maize varieties released	Variety	1	0	0	0	0	
2.B.1	Training of farmers in CSA, of which 50% were SRP compliant with direct links to millers and exporters (20-17 baseline 0)								
	2.B.1.1	Number of farmers trained in CSA/SRP	Person	40,000		1,376	3,176	7,046	32,625
	2.B.1.2	Number of females trained in CSA/SRP	Woman	16,000		746	2,026	4,055	17,471
2.B.2	Training of farmers in agribusiness development skills, of which 50% were SRP compliant with direct links to millers and exporters (2017 baseline for SRP compliance: 0). (Business Development)								
		Number of farmers trained in agribusiness skills	Person	40,000		250	460	710	3,260
		Number of females trained in agribusiness skills	Woman	16,000		107	173	239	915
2.C.1	Making FWUCs/FWUGs operational (2017 baseline: 0). (Establish FWUCs)		FWUCS	27	27	3	5	6	11
2.c.2	2.c.2.1	Training FWUC/FWUG members to operate and maintain their irrigation schemes (2017 baseline: 0).	Persons	500	0	0	0	597	1791
	2C.2.2	Training female FWUC/FWUG members to operate and maintain their irrigation schemes (2017).	Woman	150	0	0	0	175	456

DMF Performant Milestones/Indicators		Unit	Baseline	Target	Physical Progress				
					PPMS1 (June 2021)	PPM2 (Dec 2021)	PPMS3 (June 2022)	PPMS 4 December 2022	
2.c.3	Number of FWUC/FWUG2 able to operate and maintain their irrigation schemes (2017 baseline: 0) (Completed scheme and used)	FWUCS	27	27	0	0	0	5	
2.d	Making fully operational provincial agricultural development centers and engineering workshops to provide agribusiness services and strengthen farmer value chain linkages (2017 baseline: 0)								
	2d.1	Number of provincial agricultural development centers made fully operational to provide agribusiness services and strengthen farmer value chain linkages	PADC	4	0	1	3	3	3
	2d.2	Number of engineering workshops made fully operational to provide agribusiness services and strengthen farmer value chain linkages	Workshop	4	0	1	3	3	3
OUTPUT 3. Enabling environment for climate friendly agribusiness enhanced									
	Developing Climate-smart and gender-responsive agribusiness policy for target commodities, including a PPP framework focusing on agribusinesses formulated (2017 baseline: 0). **								
3.a	3.a.1	Agribusiness and Gender responsive policy developed	Policy	1		0.1	0.2	0.35	0.5
	3.a.2	CSA Policy developed	Policy	1		0	0	0	0
	3.a.3	Agro-Industry Policy developed	Policy	1		0	0	0	0
	3.a.4	Contract Farming Inclusive Agribusiness Policy developed	Policy	1		0	0	0	0
	3.a.5	Proclamation/Prakas Supporting AC's Law	Policy	1		0	0	0	0
	3.a.6	PPP-Initiative Agribusiness Policy developed	Policy	1		0	0	0	0
3.b	CAMGAP for tropical fruit and organic fertilizers endorsed as national standard for tropical fruit and organic fertilizers (2017 baseline: 0)								
	3.b.1	CAMGAP for tropical fruit endorsed as national standard for tropical fruit	Standard	1		0	0	0	0.5

Climate-Friendly Agribusiness Value Chains Sector Project (CFAVC)
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DMF Performant Milestones/Indicators		Unit	Baseline	Target	Physical Progress			
					PPMS1 (June 2021)	PPM2 (Dec 2021)	PPMS3 (June 2022)	PPMS 4 December 2022
3.b.2	CAMGAP for organic fertilizers endorsed as national standard for organic fertilizers	Standard	1		0	0	0	0.25
3.c	Training of staff from financial institutions trained in CSA and green finance (2017 baseline: 0)							
3.c.1	Number of staff of from financial institutions trained in CSA and green finance.	Person	50		0	0	44	54
3.c.2	Number of female staff from financial institutions trained in CSA and green finance	Person	18		0	0	9	11
3.d	Training of agribusinesses in green finance and CSA (2017 baseline: 0)							
3.d.1	Number of agribusinesses trained on green finance and CSA.	Person	30		0	0	63	180
3.d.2	Number of women-led and/or owned agribusinesses trained in green finance and CSA	Woman	9		0	0	28	81
3.e	Providing information on climate risk sharing instruments (2017 baseline: 0)							
3.e.1	Number of households provided information on climate risk sharing instruments	Households	30,000		0	0	0	0
3.e.2	Number of women provided information on climate risk sharing instruments	Woman	20,000		0	0	0	0
3.g.1	Establishing ICT platform for climate friendly agribusiness established in Kampong Cham province (2017 baseline: 0).	ICT Platform	1		0	0	0	0
3.g.2	Supporting Climate Risk Management through Information and Communication Technologies (ICT)	Support			0	0	0	0



ANNEX 4: Detail Implementation MAFF Ouput 1 October - December 2022

**ADB Loan No. 3661-CAM (COL)/8346-CAM (EF)
Grant No. 0579-CAM (EF)**

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ANNEX 5: Details Implementation MAFF Output 2 October - December 2022

ADB Loan No. 3661-CAM (COL)/8346-CAM (EF)
Grant No. 0579-CAM (EF)

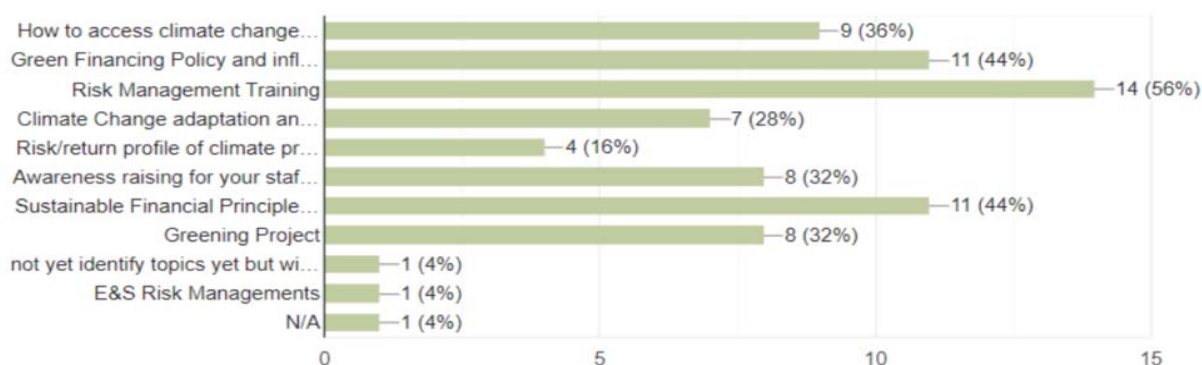
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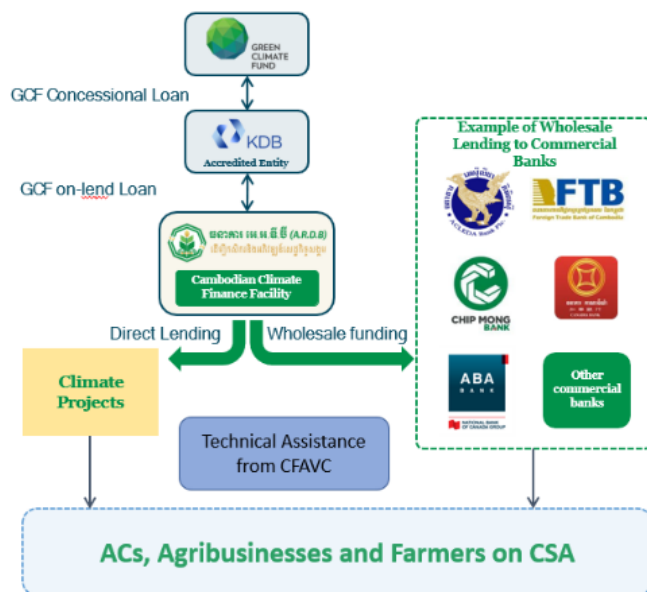
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Annex 5. Details Implementation MAFF Output 2 October - December 2022

1. Driven by its long-term vision toward 2030, particularly as expressed in the “**Rectangular Strategy – Phase III**”, the Royal Government of Cambodia (RGC) has prepared and adopted this “**Industrial Development Policy**” as a guide to promote the country’s industrial development that will help maintain sustainable and inclusive high economic growth through economic diversification, strengthening competitiveness and promoting productivity.
2. The green finance specialists will undertake a financial landscape report and key stakeholder analysis to determine the current status of green finance provision in Cambodia and consultation with stakeholders to develop a training program for financial institution staff. During the reporting, result of achievement as the following:
 - The project has been working with Association Bank of Cambodia and Association of Micro Finance to select 30 banks and 20 FMIs selected to conduct training needed of the training need assessment (TNA) on the green financing, and access to green climate fund (GCF) and capacity building toward access to green climate fund through the green financing facility and support to agriculture cooperatives (ACs) in Cambodia.
 - The results of the training need assessment were presented that there are 32% of respondents has existing policy, 8% are in processing and 60% doesn’t have policy yet. And 70.8% don’t understand on the green produce and 29.20% are well understanding and applying within their institutions.
 - The training subjects has been identifying follow the needed of the representative from banks and MFI by deferent capacity building approaches such as training, study tour, sharing experience and learning events.



- National Green Financing Specialist ware conducted data collection from Key stakeholder including Association Bank of Cambodia (ABC) such as Amrith, ACLEDA, FTB, ABA and Micro Finance Institute, Ministry of Environment, Mekong Strategy Partner and PPIU at two provinces Kampong Cham and Tbong Khmum province, resulting from the access, the Green Financing Land Landscape Report are drafted and reviewing by International Green Financing Specialist. Furthermore, the exposal visit of the PMU, Bank and MFI will fulfil gap in the report to national consultation which will take place in Q4.
- The Green Financing Technical Working Group (GFTWG) lead by Ministry of Environment and National council for sustainable Development held a meeting to discuss on the Green Financing Facility which select the Korea Development Bank as Accredited Entities and Agriculture and Rural Development Bank as the Cambodia Climate Finance Facility to wholesale funding the local bank and Micro Finance and directed to lending to climate/green projects.



- The Project team was conducted meetings with Mekong Strategy Partner, Department of climate Change and Secretariat of National Council for Sustainable Development (NCSD), ACLEDA Bank to understand and collect data relate to green financing and their institutional arrangement and consult on the modality of the loan rating and procedure.
- There are 32 participants from PMU, Association Bank of Cambodia, ARDB, PPIU from Kampong Cham and Tbong Kmum was attend the orientation on the Green financing, accessing process and how to link GF with the project activities
- The final drafted of the Green Financing Landscape report was consulted with Mekong Strategy Partner and finalize-submit to Project Team Leader for further comment. The drafted concept note for internal consultation was developed and agreed by PMU. It's may happening by early of 2023.



ANNEX 6: Details Implementation Irrigation & Water Management Program October - December 2022

**ADB Loan No. 3661-CAM (COL)/8346-CAM (EF)
Grant No. 0579-CAM (EF)**

CS1 - 001 SER: Project Implementations Consulting

**FOURTH QUARTERLY PROGRESS REPORT 2022
OCTOBER - DECEMBER**

Prepared by

Annex 6. Details Implementation Irrigation & Water Management Program October - December 2022

List of Irrigation Subprojects and Status of Preparation

AWP	No.	Subproject Name	Province	Command area, ha	Commune	District	Package	Coordinates (UTM: 48 P)		Workplan for FS & DED	Progress		Gender (GAP)	Environmental (IEE)	Safeguard		Implementation Status		
								Latitude X	Longitude Y		FS	DED	%	%	IP&IR	DDR			
2020	1	Trapeang Run Reservoir Scheme	Kampot	100	Tani	Ankor Chey	KP-TR-CW2	460642	1193073	2019	100%	100%	100%	100%	100%	100%	Completed Implemented 100%		
	2	Kbal Teuk Reservoir Scheme	Tboung Khmum	250	Phreah Theat	O Rang Ov	CFAVC-MOWRAM-TBM-CW13.1	554835	1310501	2020	100%	100%	100%	100%	100%	100%	100%	Implemented	
	3	Tuol Pring Reservoir Scheme		100	Mong Riev	Tboung Khmum		563291	1329113									Implemented	
	4	Trapeang Tros Reservoir Scheme		350	Tmar Pech	Khmum		563291	1329113									100%	Wait Compansation
	5	Pram Kompheak Reservoir Scheme	Kampong Cham	950	Lvea Leu/Svay Teab	Chamkar Leu	CFAVC MOWRAM-KPC-CW14.1	531218	1361204	2021	100%	100%	100%	100%	100%	100%	100%	Waiting NOL from ADB	Will get NOL from ADB soon (Clarify all comments and accepted from ADB 23/12/2022).
	6	O'kamprok Feeding Canal		350	Preah Angdoung	Steung Trang		575689	1360998										
	7	Prey Kdoch Reservoir Scheme	Takeo	550	Trapeang Kranhoung	Tram Kak	CFAVC MOWRAM-TKO-CW15.1	436121	1227059	2021	100%	100%	100%	100%	100%	100%	100%	Implemented	
	8	Kraing Empil Reservoir Scheme		200				437097	1225029									Implemented	
	9	Takoch Reservoir Scheme	Kampot	400	Srae Knong	Chum Kiri	CFAVC MOWRAM-KPT-CW12-1	445284	1212032	2021	100%	100%	100%	100%	100%	100%	100%	Got NOL from ADB on 1st Dec 2022. The contract has signed	
Subtotal				3,250															
Batch Number II																			
2021	10	Kandoal Feeding Canal	Kampot	750	Kandoal/Thmei	Teuk Chhou	CFAVC-MOWRAM-KPT-CW12.2B	419597	1180074	Mar-Apr 22	100%	100%	100%	100%	100%	50%	100%	The safeguard team ongoing to prepare DDR, upto December 2022 result is around 50% completed	
	11	Braveok Pong Reservoir Scheme		70	Trapeang Pring/Koun Sath	Teuk Chhou		421180	1174794										
	12	Trapeang Boeung Reservoir Scheme		800	Tramaeng/Krang Sbov/Sat Pong	Chhuk		442052	1197647										100%
	13	Tboung Damrei Reservoir Scheme	Tboung Khmum	600	Chhuk	Krouch Chmar	CFAVC-MOWRAM-TBM-CW13.2	586531	1345733	Jan-Mar 22	100%	100%	100%	100%	100%	90%	100%	The safeguard team ongoing to prepare DDR, upto December 2022 result is around 90% completed	
	14	Kampong Raing Feeding Canal		350	Seda	Dambae		602326	1348505										
	15	Teuk Char West Reservoir Scheme	Kampong Cham	980	Beung Nay/ Sampong Chev/Trapeang Kor	Prey Chhor	CFAVC-MOWRAM-KPC-CW14.2	521112	1347610	Sept-Dec 22	100%	80%	100%	100%	100%	0%	0%	Waiting on safeguard prepare DDE	
	16	Po Tattres Reservoir Scheme		950	Trab/Tang Krasang	Batheay		491103	1336779										
	17	Chrouk1 + Phlov Touk Feeding Canal		975	Phnom Den/Kiri Chong Kaoh /Kamnab	Kirivong		490512	1175028										
	18	Prey Romdeng Feeding Canal	Takeo	650	Prey Romdeng/Ta Ou/Thnoat Chong Strang	Kirivong	CFAVC-MOWRAM-TKO-CW15.2	471544	1167134	May-Jun 22	100%	80%	100%	100%	100%	0%	0%	Waiting on safeguard prepare DDE	
19	Kwaeng Tayee Feeding Canal	970		Prey Yuthka	Koh Andet	495576		1179962											
Subtotal				7,095															
Batch Number III																			
2022	20	Trapeang Ampil Reservoir Scheme	Tboung Khmum	200	Chi Kor	Tboung Khmum	CFAVC-MOWRAM-TBM-CW13.3	564088	1310596	Feb-Mar 23	70%	40%	0%	0%	0%	0%	0%	FS+DED will completed in Jan 23, IEE will start in Feb 23.	
	21	Choam Taheung Reservoir Scheme		987	Teuk Chrov/Chong Cheach	Dambae		602958	1316815										
	22	Teuk Char East Reservoir Scheme	Kampong Cham	980	Beung Nay/Krouch/Kor/Prey Chhor/Sour Saen	Prey Chhor	CFAVC MOWRAM-KPC-CW14.3	520444	1339361	Jan-Feb 23	100%	50%	0%	0%	0%	0%	0%	DED will completed in Feb 23, IEE will start in Feb 23	
	23	Pralay 95 Feeding Canal	Takeo	850	Krapom Chhuk	Koh Andet	CFAVC-MOWRAM-TKO-CW15.3	497485	1184405	Jul-Oct 22	100%	60%	100%	70%	100%	0%	0%	The feasibility study completed 100%, The DED is remaining FS Report, some section expert not yet submitted. The IEE will send to CS1 in Jan 23.	
	24	Pralay 42 Feeding & pumping Station		650	Rominh/Prey Khla	Koh Andet		492372	1191420										
	25	Ta Oum Reservoir Scheme	Takeo	160	Kus	Tram Kak	CFAVC-MOWRAM-TKO-CW15.4	452467	1210988	Apr-May 23	0%	0%	100%	0%	0%	0%	0%	Will start Feasibility Study in February 2023	
	26	Sdok Sab Reservoir Scheme		300	Samraong	Tram Kak		451970	1214140										
27	Pou Tasuy Reservoir Scheme	635		Kampeng	Kirivong	464188		1177462											
Subtotal				4762															
TOTAL				15,107.00															

Note:

- FS - Finished Layout map, long. & cross section, Structure Design, Draft BoQ, Draft FS Report
- DED - Detail Engineering Design Drawing, Final BoQ and Final FS Report
- GAP- Gender Action Plan
- IEE - Initial Environmental Examination
- IR / IP- Involuntary Resettlement / Indigenous Peoples impact assessment
- DDR - Due Diligence Report



ANNEX 7: Details Implementation Farm Road Program October - December 2022

**ADB Loan No. 3661-CAM (COL)/8346-CAM (EF)
Grant No. 0579-CAM (EF)**

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**FOURTH QUARTERLY PROGRESS REPORT 2022
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Annex 7. Details Implementation Farm Road Program October - December 2022

Annex 7.1 Progress Farm Roads as per 31 December 2022

Status of AWP 2020 Subprojects (Batch I)

General information						Implementation Progress									
No	Province	Sub Project Name	PCSS No. Assigned	Sub Project Number	Package No.	Procurement Process				Implementation Process					
						Invitation to bid	BER (NOL)	Contract Award	Contractor Name	Contract Proce	Contract Start Date	Work Progress		Payment Progress	Completion (Completed Certificatd)
											%	Km			
1	Kampot	Rovieng - Chres		CW17a-CFAVC-MRD-KP-01-2020	4	Invitation to bid 10 Aug 21, bid opening scheduled 9 Sept 2021	BER finalized submit to ADB 2 Nov 2021	29-Jun-22	Royal Mekong Construction & Development Pte. Ltd.	1,266,929.22	3-Oct-22	4.601%	0.46		
2		Kamnab - Srae Chaeng		CW17a-CFAVC-MRD-KP-02-2020	4			29-Jun-22		877,375.76		11.383%	1.14		
Sub-Total Kampot									2,144,304.98						
3	Takeo	Phlov Lek 122 (Khlong Tvea Wat Tolea)-Phlov Tonle Bati		CW17b-CFAVC-MRD-TK3-2020	1	Invitation to bid 19 Mar 2021, bid opening schedule 12 May 2021	BER submitted to ADB for NOL to Lot 2 (5 Jul-2021), and receive NOL on the 12 Oct 2021 and Lot 1 on the 8 Nov 21	18-Jan-22	Henan Water Construction Group Co., Ltd.	1,243,719.86	21-Jan-22	51%	5.10	606,341.46	
4		Wat Ang Andaeet-Rumchek-Kraing Ampil		CW17b-CFAVC-MRD-TK4-2020	1			18-Jan-22	Hout Chhoeun Construction Co., Ltd.	879,298.64	26-Jan-22	86.07%	4.020	598,633.43	
Sub-Total Takeo									2,123,018.50			9.12	1,204,974.89		
5	Tbong Khmum	RN73-Khcheay- Wat Thmey		CW17c-CFAVC-MRD-TBK-5-2020	2	Invitation to bid 2 June 21, bid opening scheduled 2-Jul-2021	BER submitted to ADB for NOL 29-Jul-21, ADB provided NOL 25 Oct 2021	17-May-22	Heng Sambath Co., Ltd Import Export Transportation and Construction	1,239,711.20	26-May-22	22.53%	2.200	268,431.00	
6		Ta Pao-Sangkum Meanchey		CW17c-CFAVC-MRD-TBK-6-2020	2			17-May-22		1,444,588.37	26-May-22	25.69%	3.080		
Sub-Total Tbong Khmum									2,684,299.57			5.28	268,431.00		
7	Kampong Cham	Sambo-Sopheas		CW17d-CFAVC-MRD-KC7-01-2020	3	Invitation to bid 2 June 21, bid opening scheduled 2-Jul-2021	BER submitted to ADB for NOL 29-Jul-21, ADB provided NOL 25 Oct 2021.	9-May-22	MTA Construction Co., Ltd.	1,103,011.81	15-Aug-22	1.8%	0.180	171,419.53	
8		Sopheas-O'Beng		CW17d-CFAVC-MRD-KC8-02-2020	3			9-May-22	MTA Construction Co., Ltd.	611,183.48		8.3%	0.390		
Sub-Total Kampong Cham									1,714,195.29			0.57	171,419.53		
Grand total AWP 2020									8,665,818.34			14.97	1,644,825.42		



ANNEX 8: Details Social Safeguard Monitoring October - December 2022

ADB Loan No. 3661-CAM (COL)/8346-CAM (EF)
Grant No. 0579-CAM (EF)

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FOURTH QUARTERLY PROGRESS REPORT 2022
OCTOBER - DECEMBER

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Annex 8. Details Social Safeguard Monitoring October - December 2022

ANNEX 8.1 MAFF CW PROGRAM

No.	Package Number	Lot and Subproject Name	AWP	Number of Subproject per package	FS Status	GDR Validation/ Confirmation	DRP Preparation and Implementation status				Third Party Validation	Progress of document preparation and submission				Remarks on any issues	Procurement planning		IMPLEMENTATION		
					FS-Social Part completed? (Yes, No, Progressing)	Done/To be done	Yes/No/NA	DMS done by IRC (Yes/No)	DRP Prepared (Yes/No)	DRP Implementation status (Not yet/ progressing/ completed)	To verify by ITP Yes/No/NA	Doc to prepare for this sub-project/lot (DDR, DRP)	Status of doc preparation (not yet/ progressing/ completed)	Status of doc submission to ADB	Status of doc / comments received from ADB	Action to be done	Bid preparation (not yet started/ done/ progressing)	Planned contract award (Date)	Financial Payment	Physical Progress	
1.d AGRICULTURAL COOPERATIVES																					
1	CW3a Lot1	20 Units, 4 Provinces	2020	5	Done	Done	N/A	N/A	N/A		N/A	DDR	Done	Completed	Done	Final Inpection was done	Done		100%	100%	
2	CW3a Lot2		2020	5	Done	Done	N/A	N/A	N/A		N/A	DDR	Done	Completed	Done	Final Inpection was done	Done		100%	100%	
3	CW3a Lot3		2020	5	Done	Done	N/A	N/A	N/A		N/A	DDR	Done	Completed	Done	Final Inpection was done	Done		100%	100%	
4	CW3a Lot4		2020	5	Done	Done	N/A	N/A	N/A		N/A	DDR	Done	Completed	Done	Final Inpection was done	Done		100%	100%	
5	CW3b1, Lot 1	Lot 1, KPT, 8 Units	2021	8	Done	Done	N/A	N/A	N/A		N/A	DDR	Done	On going of resubmission (clarify)	Progressing	The updated DDR was resubmitted on 27 Sep 2022 to ADB	Done				
6	CW3b1, Lot 2	Lot 2, TK 13 Units	2021	13	Done	Done	N/A	N/A	N/A		N/A	DDR	Done		Progressing		Done				
7	CW3b2, Lot 1	Lot 1 KPC 4 Units	2021	4	Done	Done	N/A	N/A	N/A		N/A	DDR	Done		Progressing		Done				
8	CW3b2, Lot 2	Lot 2, TBK 10 Units	2021	10	Done	Done	N/A	N/A	N/A		N/A	DDR	Done		Progressing		Done				
9	CW3b3, Lot 1 KPT	12 units of 25 (KPC 1, TBK 1, KPT 2 & TK 8)	2022	25-Dec	Done	Done	N/A	N/A	N/A		N/A	DDR	Progressing		Progressing	Submitted to ADB by 4th week of Nov 2022. 1 DDR covers 12/25 AC Units (1 KPC, 1 TBK, 2 KPT & 8 Takeo),	Done				
10	CW3b3, Lot 2 TK		2022		Done	Done	N/A	N/A	N/A		N/A	DDR	Progressing		Progressing		Done				
11	CW3b3, Lot 3 KPC		2022		Done	Done	N/A	N/A	N/A		N/A	DDR	Progressing		Progressing		Done				
12	CW3b3, Lot 4 TBK		2022		Done	Done	N/A	N/A	N/A		N/A	DDR	Progressing		Progressing		Done				
1.e BIODIGESTER AND COMPOST HUTS																					
13	CW-19a Lot 1	500 Biodigesters and 250 Compost Huts, 4 provinces	2020	750	Done	Done	N/A	N/A	N/A		N/A	DDR	Done	Submitted to ADB for initial review on 25th Jul 2022	Done	12,000 Biodigesters & 6,000 Compost Huts and the agreement between the beneficiary and IA will be done once the contractor is mobilized	Done				
14	CW-19a Lot 2		2020		Done	Done	N/A	N/A	N/A		N/A	DDR	Done		Done		Done				
15	CW-19a Lot 3		2020		Done	Done	N/A	N/A	N/A		N/A	DDR	Done		Done		Done				
16	CW-19a Lot 4		2020		Done	Done	N/A	N/A	N/A		N/A	DDR	Done		Done		Done				
2.d PADC																					
17	CW-4 Lot1 PADC	3 PADC (TK, KPC & TBK)	2020	1	Done	Done	N/A	N/A	N/A		N/A	DDR	Done	Completed	Done	Final Inpection was done	Done				
18	CW-4 Lot2 PADC		2020	1	Done	Done	N/A	N/A	N/A		N/A	DDR	Done	Completed	Done	Final Inpection was done	Done				
19	CW-4 Lot 3 PADC		2020	1	Done	Done	N/A	N/A	N/A		N/A	DDR	Done	Completed	Done	Final Inpection was done	Done				
2.e AGRICULTURAL WORKSHOPS																					
20	CW7 Lot1 MEW	3 MEW (KPT, KPC & TBK)	2020	1	Done	Done	N/A	N/A	N/A		N/A	DDR	Done	Completed	Done	Final Inpection was done	Done				
21	CW7 Lot2 MEW		2020	1	Done	Done	N/A	N/A	N/A		N/A	DDR	Done	Completed	Done	Final Inpection was done	Done				
22	CW7 Lot 3 MEW		2020	1	Done	Done	N/A	N/A	N/A		N/A	DDR	Done	Completed	Done	Final Inpection was done	Done				

Annex 8.2 Social Safeguard Update Irrigation Program December 2022

No	Subproject Name	Package Number	AWP	Command Area (Ha)	FS Status FS-Social Part completed? (Yes, No, Progressing)	IOL/SES Completed as per DED					GDR Validation/Confirmation		DRP Preparation and Implementation status				Third Party Validation			Progress of document preparation and submission				
						IOL/SES Preparation (Yes, No, Progressing)	Expected IOL/SES completion date	If IOL/SES completed, is this sub-pro involving donation? (Y/N)	Progress of donation preparation (Yes, No, Progressing)	Expected donation completion date	Done/To be done	Expected validation completion (date)	Yes/No/NA	DMS done by IRC (Yes/No)	DRP Prepared (Yes/No)	DRP Implementation status (Not yet, progressing, completed)	To verify by ITP Yes/No/NA	Status of verification (not yet, progressing done)	Final report/confirmation by ITP (not yet/confirmed)	Doc to prepare for this sub-project/lot (DDR, DRP)	Status of doc preparation (not yet, progressing, completed)	Status of doc submission to ADB	Status of doc/ comments received from ADB	
1	Trapeang Run	KP-TR-CW2	2020	100	Yes	Yes	Done	Yes	Yes	Done	Done	Done	No				Yes	Done	Confirmed	DDR	Completed	Done	Approved	
2	Kbal Teuk	CFAVC-MOWRAM-TBM-CW13.1		250	Yes	Yes	Done	Yes	Yes	Done	Done	Done	Done	No				Yes	Done	Confirmed	DDR	Completed	Done	Approved
3	Tuol Pring	CFAVC-MOWRAM-TBM-CW13.1 C		100	Yes	N/A	N/A	N/A	N/A	N/A	Done	Done	Done	Yes	Done	Yes	Not yet	N/A	N/A	N/A	DRP	Completed	Submission	Approved
4	Trapeang Tros	MOWRAM-KPC-CW14.1		350	Yes	Yes	Done	Yes	Yes	Done	Done	Done	Done	No				Yes	Done	Confirmed	DDR	Completed	Sep-22	Approved in 4th week of Dec 22
5	Pram Kompheak	MOWRAM-TKO-CW15.1		950	Yes	Yes	Done	Yes	Yes	Done	Done	Done	Done	No				Yes	Done	Confirmed	DDR	Completed	Done	Approved
6	O'kamprok	KPT-CW12-1		350	Yes	Yes	Done	Yes	Yes	Done	Done	Done	Done	No				Yes	Done	Confirmed	DDR	Completed	Sep-22	Approved
7	Prey Kdoch	CFAVC-MOWRAM-KPT-CW12.2B		550	Yes	Yes	Done	Yes	Yes	Done	Done	Done	Done	No				Yes	Done	Confirmed	DDR	Completed	Done	Approved
8	Kraing Empil	MOWRAM-TBM-CW13.2		200	Yes	Yes	Done	Yes	Yes	Done	Done	Done	Done	No				Yes	Done	Confirmed	DDR	Completed	Sep-22	Approved
9	Takoch	CFAVC-MOWRAM-KPT-CW12.2A		400	Yes	Yes	Done	Yes	Yes	Done	Done	Done	Done	No				Yes	Done	Confirmed	DDR	Completed	Sep-22	Approved
10	Kandoal	MOWRAM-TBM-CW13.3	2021	750	Yes	Yes	Nov 22	N/A	N/A	N/A	To be done	Nov 22	N/A				N/A	N/A	N/A	DDR	Not yet	N/A	N/A	
11	Bravoek Pong	MOWRAM-KPC-CW14.2		70	Yes	Yes	Nov 22	N/A	N/A	N/A	To be done	Nov 22	N/A	N/A				N/A	N/A	N/A	DDR	Not yet	N/A	N/A
12	Trapeang Boeung	MOWRAM-TKO-CW15.2		800	Yes	Yes	Nov 22	N/A	N/A	N/A	To be done	Nov 22	N/A	N/A				N/A	N/A	N/A	DDR	Not yet	N/A	N/A
13	Tbong Damrei	MOWRAM-TBM-CW13.2		600	Yes	Yes	Nov 22	N/A	N/A	N/A	Yes	Done	Done	N/A				N/A	N/A	N/A	DDR	Not yet	N/A	N/A
14	Kampong Raing Feeding Canal	MOWRAM-KPC-CW14.2		350	Progressing	No	Jan 2022	N/A	N/A	N/A	Not Yet	December 2022	N/A	N/A				N/A	N/A	N/A	N/A	Not yet	N/A	N/A
15	Teuk Char West	CFAVC-MOWRAM-TKO-CW15.2		980	Done	No	August 2022	N/A	N/A	N/A	Not Yet	June 2022	N/A	N/A				N/A	N/A	N/A	N/A	Not yet	N/A	N/A
16	Po Tatress Reservoir Scheme	MOWRAM-TBM-CW13.3		950	Progressing	Yes	May 2023	N/A	N/A	N/A	Not Yet	March 2023	N/A	N/A				N/A	N/A	N/A	N/A	Not yet	N/A	N/A
17	Chrouk1 + Phlov Touk Feeding Canal	MOWRAM-KPC-CW14.3		975	Progressing	No	March 2023	N/A	N/A	N/A	Not Yet	January 2023	N/A	N/A				N/A	N/A	N/A	N/A	Not yet	N/A	N/A
18	Prey Romdeng Feeding Canal	MOWRAM-TKO-CW15.3		650	Progressing	No	october 2022	N/A	N/A	N/A	Not Yet	July 2022	N/A	N/A				N/A	N/A	N/A	N/A	Not yet	N/A	N/A
19	Kwaeng Tayee	MOWRAM-TKO-CW15.4	970	Progressing	No	July 2023	N/A	N/A	N/A	Not Yet	May 2023	N/A	N/A				N/A	N/A	N/A	N/A	Not yet	N/A	N/A	
20	Trapeang Ampil	2022	200	Progressing	Yes	May 2023	N/A	N/A	N/A	Not Yet	March 2023	N/A	N/A				N/A	N/A	N/A	N/A	Not yet	N/A	N/A	
21	Choam Taheung		987	Progressing	No	March 2023	N/A	N/A	N/A	Not Yet	January 2023	N/A	N/A	N/A				N/A	N/A	N/A	N/A	Not yet	N/A	N/A
22	Teuk Char East		850	Progressing	No	october 2022	N/A	N/A	N/A	Not Yet	July 2022	N/A	N/A	N/A				N/A	N/A	N/A	N/A	Not yet	N/A	N/A
23	Pralay 95		650	Progressing	No	July 2023	N/A	N/A	N/A	Not Yet	May 2023	N/A	N/A	N/A				N/A	N/A	N/A	N/A	Not yet	N/A	N/A
24	Pralay 42 pumping Station		210	Progressing	No	July 2023	N/A	N/A	N/A	Not Yet	May 2023	N/A	N/A	N/A				N/A	N/A	N/A	N/A	Not yet	N/A	N/A
25	O' Rumdoul		300	Progressing	No	July 2023	N/A	N/A	N/A	Not Yet	May 2023	N/A	N/A	N/A				N/A	N/A	N/A	N/A	Not yet	N/A	N/A
26	Sdok Sab		440	Progressing	No	July 2023	N/A	N/A	N/A	Not Yet	May 2023	N/A	N/A	N/A				N/A	N/A	N/A	N/A	Not yet	N/A	N/A
27	Pou Tasuy																							

Annex 8.3 Social Safeguard Update Farm Road Program December 2022

No.	Province	AWP	Lot and Subproject Name	Package Number	Road Length/Lot (km)	FS Status	IOL/SES Completed as per DED					GDR Validation/Confirmation		DRP Preparation and Implementation status			Third Party Validation			Progress of document preparation and submission						
						FS-Social Part completed? (Yes, No, Progressing)	IOL/SES Preparation (Yes, No, Progressing)	Expected IOL/SES completion date	If IOL/SES completed, is this sub-project involving donation? (Y/N)	Progress of donation preparation (Yes, No, Progressing)	Expected donation completion date	Done/ To be done	Expected validation completion (date)	Yes/No/NA	DMS done by IRC (Yes/No)	DRP Prepared (Yes/No)	DRP Implementation status (Not yet, progressing, completed)	To verify by ITP Yes/No/NA	Status of verification (Not yet, progressing, done)	Final report/confirmation by ITP (Not yet/confirmed)	Doc to prepare for this sub-project/lot (DDR, DRP)	Status of doc preparation (Not yet, progressing, completed)	Status of doc submission to ADB	Status of doc/ comments received from ADB		
1	Takeo		Lot 1, Improve 1 Road,	CW17b-CFAVC-MRD-TK3&TK4-2020	10.000	Done						To be done		Yes	Yes	Yes	Done				DRP			Done		
2			Lot 2, Improve 1 Road		4.670	Done							To be done		Yes	Yes	Yes	Done				DRP			Done	
4			Lot 1, Improve 1 Road,		CW17b-CFAVC-MRD-TK3&TK4-2020	10.000	Done							To be done		Yes	Yes	Yes	Done				DRP			Done
5			Lot 2, Improve 1 Road			4.670	Done							To be done		Yes	Yes	Yes	Done				DRP			Done
6	Tboung Khnum	2020	Lot 1, Improve 1 Road	CW17c-CFAVC-MRD-TBK5&TBK6-2020	9.770	Done	Done	Done	Done	N/A	To be done						Yes	Done	Done	DDR	Done		Done			
7			Lot 2, Improve 1 Road		12.000	Done	Done	Done	Done	N/A	To be done					Yes	Done	Done	DDR	Done		Done		Done		
8	Kampong Cham		Lot 1, Improve 1 Road	CW17d-CFAVC-MRD-KC7&KC8-2020	9.882	Done					To be done		Yes	Yes	Yes	Done				DRP			Done			
9			Lot 2, Improve 1 Road,		4.721	Done							To be done		Yes	Yes	Yes	Done				DRP			Done	
10			Lot 1, Improve 1 Road	CW17a-CFAVC-MRD-KP1&KP2-2020	11.948	Done	Done	Done	Done	N/A	To be done						Yes	Done	Done	DDR	Done		Progressing			
11			Lot 2, Improve 1 Road		8.104	Done	Done	Done	Done	N/A	To be done					Yes	Done	Done	DDR	Done		Done		Progressing		
12	Kampot		Lot 1: Rural Road improvement (DBST/ Conc) 1. Trapeang Ta Meas-Ou Kandal 2. Prey Krang Khang Cheung- Trapeang Chhuk	CW17a-CFAVC-MRD-KP-01A & 02A-Batch 2	12.963	Done					To be done		Yes	No	N/A			Done		DRP	Progressing					
13			Lot: 2 Rural Road improvement		9.098	Done							To be done		Yes	No	N/A			Done		DRP	Progressing			
14			Lot1: Rural Road Improvement (DBST/Conc) 1. Angk Trav - Siueng 2. Trai Aem - Angk Baksei	CW17b-CFAVC-MRD-TK-01A & 02A- Batch 2	13.976	Done					Done		Yes	No				Done		DRP	Progressing					
15	Takeo		Lot2: Rural Road improvement (DBST/ Conc) 1. Trapeang Srangae - Angk Tnaot Khang Lech (3.97 km) 2. Yeay La - Trapeang Chak (3.385) 3. Ta Pov - Han Tea (5.406)		12.761	Done						Done		Yes	No	N/A			Done		DRP	Progressing				
16	Tboung Khnum	2021	Lot 1: Rural Road Improvement (DBST/Conc) in Tbong Khum Province (Total: 16.370 km) 1. Chruol - Kbal Thnal (8.110km) 2. Sralab - Smaonh (5.437km) 3. Kouk Srok (2.823km)	CW17c-CFAVC-MRD-TBK-01A & 02A -Batch 2	16.37	Done	Progressing	Progressing	Not yet started									Done		DRP	Progressing					
17	Tboung Khnum		Lot 2: Rural Road Improvement (DBST/Conc) in Tbong Khnum Province Total (12.891 km) 1. Samraeuy - Kokir (4.908km) 2. Tuol Kandal - Tuol Chan (2.789km) 3. Popel (1.446km) 4. La (3.748km)		12.891	Done	Progressing	Progressing	Not yet started										Done		DRP	Progressing				

No.	Province	AWP	Lot and Subproject Name	Package Number	Road Length/Lot (km)	FS Status	IOL/SES Completed as per DED					GDR Validation/Confirmation		DRP Preparation and Implementation status			Third Party Validation			Progress of document preparation and submission				
						FS-Social Part completed? (Yes, No, Progressing)	IOL/SES Preparation (Yes, No, Progressing)	Expected IOL/SES completion date	If IOL/SES completed, is this sub-pro involving donation? (Y/N)	Progress of donation preparation (Yes, No, Progressing)	Expected donation completion date	Done/ To be done	Expected validation completion (date)	Yes/No/NA	DMS done by IRC (Yes/No)	DRP Prepared (Yes/No)	DRP Implementation status (Not yet, progressing, completed)	To verify by ITP Yes/No/NA	Status of verification (Not yet, progressing, done)	Final report/ confirmation by ITP (Not yet/ confirmed)	Doc to prepare for this sub-project/lot (DDR, DRP)	Staus of doc preparation (Not yet, progressing, completed)	Staus of doc submission to ADB	Satus of doc/ comments received from ADB
18	Kampong Cham		Lot 1: Rural Road Improvement (DBST/Conc) in Kampong Cham Province Total (9.425 km) 1. Andoung Snay - Sdok Thum (3.925 km) 2. Trapeang Kor - Trapeang Thma (5.50 km)	CW174-CFAVC-MRD-KC-01A & KC-02A-Batch 2	9.425	Done						Done						Done		DRP	Progressing			
19	Kampong Cham		Lot 2: Rural Road improvement (DBST/Conc) (Total: 12.64 Km) in Kampong Cham Province 1. Dangkao - Trapeang Bei (7.657km) 2. Pou Sala Ti Muoy - Sach Sour (4.983km)		12.64	Done						Done						Done		DRP	Progressing			
20	Takeo		Lot 1: Rural Road Improvement (DBST/Conc) 1. Trapeang Pring - Cheav Bdei Khang Kaeut (8.41 km) 2. Khnach Khang Tboung - Bei Pey (6.66 km)	CW17b-CFAVC-MRD-TK-01A- 02A & 03A-Batch 3	15.07	Progressing												Progressing						
21	Takeo		Lot 2: Rural Road Improvement (DBST/Conc) 2. Prey Kluoch - Phlov Louk (6.53 km)		15.57	Progressing													Progressing					
22	Takeo		Lot 3: Rural Road improvement (DBST/Conc) 2. Ta Mau - Trapeang Vihear (6.08 km)		16.27	Progressing													Progressing					
23	Tboung Khnum	2022	Rural Road Improvement (DBST/Conc) 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 - Spear (6.60 km)	CW17c-CFAVC-MRD-TBK01A-Batch 3	22.06	Progressing													Progressing					
24	Kampong Cham		Rural Road Improvement (DBST/Conc) 1. Tumpor - S'ang (3.23 km) 2. Kandal Khnhoung - Angkor Chey Leu (8.17 km)	CW17d-CFAVC-MRD-KC-01A-Batch 3	11.4	Progressing													Progressing					
				TOTAL	266.259																			



ANNEX 9: Details Environmental Monitoring October - December 2022

ADB Loan No. 3661-CAM (COL)/8346-CAM (EF)
Grant No. 0579-CAM (EF)

CS1 - 001 SER: Project Implementations Consulting

FOURTH QUARTERLY PROGRESS REPORT 2022
OCTOBER - DECEMBER

Prepared by

Annex 9. Details Environmental Monitoring October - December 2022

Annex 9.1 Details Environmental Monitoring

Indicator	Assessment question	Response	Rating
A. Contract Awards			
1. ENV: No works contracts are awarded before the EMP(s) cleared by ADB and any conditions of any national EIA/IEE clearance are incorporated into contract documents	For any project outputs/components with environmental impacts or risks, are there any works contracts that have been awarded by the borrower without EMP(s)* cleared by ADB and any conditions of any national EIA/IEE clearance incorporated into the bid and contract documents?	5. No. Not all contracts are awarded. Contracts under bidding do not contain EMPs cleared by ADB and/or any conditions of any national EIA/IEE [explain]. All awarded contracts included EMPs cleared by ADB and any conditions of any national EIA/IEE clearance. ----- The EMP for the ...<name of subproject> was cleared by ADB as part of the IEE report, but not included in the Contract. The contract only made a reference to the EMP.	On Track
2. IR: No civil works contracts are awarded before final, detailed engineering design-based RP(s) are cleared by ADB	For any project outputs/components, are there any civil works contracts* that have been awarded by the borrower without ADB's clearance of final, detailed-engineering design-based RP(s)?	3. No. All contracts have been awarded after final RPs/DDRs were cleared. ----- Thus far MAFF and MRD has not awarded any contract; MOWRAM only signed one after receiving clearance of the RP/DDR	On track
3. IP: No civil works contracts are awarded before final, detailed engineering design based IPP(s) are cleared by ADB.	For any project outputs/components, are there any civil works contracts* that have been awarded by the borrower without ADB's clearance of final, detailed-engineering design based IPP(s)?	1. Not applicable [explain, Cat C or FI (category A for FI excluded), or no update is required] ----- NO Indigenous People in project area	On track
B. Project Execution: Instruments			
4. ENV: Requisite national environment, health and safety clearances* and ADB environment safeguard clearances are obtained before commencement of applicable works.	For any project outputs/components with environmental impacts or risks, have the requisite national environment, health and safety clearances* and ADB environment safeguard clearances** been obtained before commencement of applicable works.	3. Yes, all clearances were obtained for all works commenced prior to or during reporting period ----- Work started in March 2021 after receiving environmental clearance	On track

Indicator	Assessment question	Response	Rating
5. IR: No displacement occurs before all compensations are	For any project outputs/components, are there any civil works	1. No, all compensations/entitlements have been fully paid prior to displacement as confirmed by relevant ADB-cleared reports, for all project sites with involuntary	On track
C. Project Execution: Project Grievances			
6. The project has a functioning GRM and has no high-risk outstanding grievances related to implementation of safeguards.	Does the project meet both criteria below: (a) has a functioning GRM; and (b) has NO Accountability Mechanism (CRP)-eligible complaint(s) on file?	1. Yes, the project meets both criteria (functioning GRM and no CRP-eligible complaint(s) on file). [add comment]	On track
D. Project Execution: Project Safeguards Non-Compliance			
7. There are no outstanding non-compliances related to implementation of safeguards*	Does the project have any outstanding non-compliances* [can be notified by staff, external monitor, regulatory agencies, supervision consultants, borrower, or contractors]?	1. No [add comment, including if previously outstanding CAP actions have been completed]	On track
E. Project Execution: Monitoring			
8. Scheduled monitoring reports are submitted as per agreed schedule, commencing date loan effectiveness *	Is the project up-to-date with the scheduled monitoring reports?	2. Yes. Submitted, reporting up to date or is within a grace period of one month. ----- Last Social Safeguard Monitoring Report (covering Jan - Jun 2021) to submitted early August Last Environmental Safeguard Monitoring Report (covering Jan - Jun 2021) submitted on (28 July Gender 6 Semi-annual report was submitted on 20 July 2021	On track

Annex 9.2 Environmental Safeguard Work Progress October - December 2022

Annex 9.2.1 MAFF Subprojects

Year	Package number	Province	Districts	Communes	Subproject names	Number of subproject package	Environmental Safeguards Categorization	Status of Env. Safeguards	Status of IEE	ADB Submission Date	ADB NOL Date
	2						8	9			
1	CW7:				Construction of Mechanization Workshops (not including major & minor equipment) & Supervision, Lot 1: Kampong Cham, Lot 2: Tboung Khmum, Lot 3: Kampot		B		IEE is Completed		NOL, 08 July 2021
1	CW3a:				Construction of Agricultural Cooperative Storage Units including: Cooperative store manager, Basic infrastructure for cooperative and infrastructure design, 20 units lot1, lot2, lot3 and lot4. (Storage sizes 50 tone, 100 tone and 200 tone.)		B		IEE is Completed		NOL, 08 July 2021
1	CW4:				Construction of Training Building for PADC (including infrastructure design and Equipment) Lot 1: Takeo, Lot 2: Tboung Khmum, Lot 3: Kampong Cham		B		IEE is Completed		NOL, 08 July 2021
1	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 3: Kampot (Bio-digester sizes of 4m3, 6m3 and 8m3.)		B		IEE is Completed		NOL, 08 July 2021
	CS4 (2020):				ICT (Including: Infrastructure, Software development, training, workshops and demonstrations, consultants, office operations and support costs)		B		IEE is Completed		NOL, 08 July 2021

Climate-Friendly Agribusiness Value Chains Sector Project (CFAVC)
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Annex 9.2.2 Irrigation Subprojects

Year	Package Number	Province	Commune	District	Subproject Name	Number of Subprojects/Package	Command area, ha	Environmental Safeguards Categorization	Status of Env. Safeguards	Status of IEE	First Date ADB Submission	Date ADB NOL
1	2	3	4	5	6	7	8	8'	9'	9	10	11
1. Plan for Project Feasibility study and Detailed Engineering Design in 2020												
2020	CFAVC-KP-TP-CW2	Kampot	Tani	Angkor Chey	Trapeang Run	1	100	B	100%	The final environmental monitoring was conducted on 4-5 August 2021 for completed construction	10-Jun-20	21-Jul-20
	MOWRAM-CFAVC- TBM-CW13.1	Tboung Khmum	PREASH THEAT	Ou Raing Ov	Tumnuop Kbal Teuk	3	250	B	0%		4-Nov-20	11-Feb-21
			Chikor	Tboung Khmum	Tuol Pring Reservoir		100	B	100%		4-Nov-20	11-Feb-21
			Thmor Pich	Tboung Khmum	Trapeang Tros Reservoir		350	B	100%		4-Nov-20	11-Feb-21
	MOWRAM-CFAVC- TEO-CW15.1	Takeo	Trapaing Kra Nhoung	Tram Kak	Prey Kdouch Reservoir	2	550	B	100%		16-Mar-21	25-Jun-21
			Trapaing Kra Nhoung	Tram Kak	Kraing Empil Embankment		200	B	100%		16-Mar-21	
	MOWRAM-CFAVC- KPC-CW14.1	Kampong Cham	Svay Teap	Chamkaler	Pram Kumpheak	2	900	B	100%	Second revised and submitted to ADB for rechecking	15 Dec 2021	
			Preach Andong	Stoeng Trong	O Kamprok		350	B	100%	Second revised and submitted to ADB for rechecking	15 Dec 2021	
	MOWRAM-CFAVC- KPT-CW12.1	Kampot	Srae Khnung	Chuom Kiri	Takouch (Prey Takoeh)	1	450	B	45%	70% drafting completed		
	Plan for rehabilitation in year 2020 consisting of 5 Packages covering command area of						9	3,250				
2. Plan for Project Feasibility study and Design in 2021												
2021	MOWRAM-CFAVC- TBM-CW13.2	Tboung Khmum	Chhouk	Krouch Chmar	Tboung Damrei Reservoir	2	600	B		Consolidated IEE is 85%		
			Seda	Dambae	Kampong Raing Feeding Canal		250	B		Consolidated IEE is 85%		
	MOWRAM-CFAVC- TEO-CW15.2	Takeo	Phnom Den	Kirivong	Chrouk1 + Phlov Touk	3	800	B		Consolidated IEE is 85%		
			Prey Yuthkar	Koh Andet	Kwaeng Tayee		468	B		Consolidated IEE is 85%		
			Prey Romdeng	Kirivong	Prey Romdeng Canal		510	B		Consolidated IEE is 85%		

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Year	Package Number	Province	Commune	District	Subproject Name	Number of Subprojects/ Package	Command area, ha	Environmental Safeguards Categorization	Status of Env. Safeguards	Status of IEE	First Date ADB Submission	Date ADB NOL	
1	2	3	4	5	6	7	8	8'	9'	9	10	11	
	MOWRAM-CFAVC- KPC-CW14.2	Kampong Cham	Cheung Prey	Batheay	Pou Tatress	1	950	B		Consolidated IEE is 85%			
	MOWRAM-CFAVC- KPT-CW12.2A	Kampot	Sathpong/ Trameng/ Baniev	Teuk Chhou	Trapeang Boeung	2	800	B		Consolidated IEE is 85%			
Plan for rehabilitation in year 2021 consisting of 4 Packages covering command area of						8	5028						
2022		Kampong Cham	Krouch	Prey Chhor	Teuk Cha East	2	1400						
			Beung Nay	Prey Chhor	Teuk Cha West		1400						
		Tboung Khmum	Teuk Chrov	Dambae	Choam Taheung	2	1500						
			Thmar Pich	Tbong Khmum	Trapaing Ampil		200						
		MOWRAM-CFAVC- TEO-CW15.3	Takeo	Kampeng	Kirivong	Pou Tasuy Reservoir	6	440					
				Prey Romdeng	Tram Kak	O' Rumdoul Reservoir		210					
				Samraong	Tram Kak	Sdok Sab		300					
				Kropum Chhouk	Koh Andet	Pralay 95		850				Consolidated IEE is 50%	
				Rominh	Koh Andet	Pralay 42 (pumping Station)		650				Consolidated IEE is 50%	
				Soam	Kirivong	Soam Canal	400						
	MOWRAM-CFAVC- KPT-CW12.2B	Kampot	Trapeang Pring	Teuk Chhou	Broweak Pong	1	70			Consolidated IEE is 85%			
			Kandori/Thmey	Teuk Chhou	Kandori feeding canal		750			Consolidated IEE is 85%			
Plan for rehabilitation in year 2022 consisting of 4 Packages covering command area of						11	7,420						
Total irrigation planned to be studied within 3 years period is 32 irrigation schemes and total of						28	15,698						
1. Plan for road sub-projects planned in 2020													
1	CW17a-CFAVC-MRD-KP-01- 2020 (Lot 1)	Raksmei Samaky Amatak	Kampot	Chres	Chum Kiri	2020	11.94	B		ADB NOL 9-Jul-21	02 June 2021	09 Jul 2021	
2	CW17a-CFAVC-MRD-KP-02- 2020 (Lot 2)	Kasikor Samaki Rungreung		Srae Chaeng	Chum Kiri		8.1				02 June 2021	09 Jul 2021	
3	CW17b-CFAVC-MRD-TK3- 2020 (Lot 1)	Lom Pung Samaky	Takeo	Lumphong	Bati	2020	10.01	B		ADB NOL 3-Nov- 20	20 Jul 2020	03 Nov 2020	
4	CW17b-CFAVC-MRD-TK4- 2020 (Lot 2)	Sdok Sdam		Taing Yab	Prey Kabas		4.67				20 Jul 2020	03 Nov	

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Year	Package Number	Province	Commune	District	Subproject Name	Number of Subprojects/ Package	Command area, ha	Environmental Safeguards Categorization	Status of Env. Safeguards	Status of IEE	First Date ADB Submission	Date ADB NOL
1	2	3	4	5	6	7	8	8'	9'	9	10	11
												2020
5	CW17c-CFAVC-MRD-TBK-5- 2020 (Lot 1)	Dambe Rung Roeung	Tboung Khmum	Dam Bae	Dam Bae		9.77	B		ADB NOL 2 Mar 2021	26 Jan 2021	13 May 2021
6	CW17c-CFAVC-MRD-TBK-6- 2020 (Lot 2)	Kdei SangKhoem Kasekar		Toul Snoul	Krouch Chhmar		12				26 Jan 2021	13 May 2021
7	CW17d-CFAVC-MRD-KC7-01- 2020 (Lot 1)	Sombo Meanchey	Kampong Cham	Soupheas	Stueng Trang		9.88	B		ADB NOL IEE 18-May-21	02 May 2021	18 May 2021
8	CW17d-CFAVC-MRD-KC8-02- 2020 (Lot 2)	Stung Trang Senchey		Soupheas			4.72				02 May 2021	18 May 2021
Plan for rehabilitation in year 2020 of 4 Packages Road sub-projects with Lenght of							71.09					
2. Plan for road sub-projects planned in 2021												
9	CW17a-CFAVC-MRD-KP-01- 2021	Sen Han Cham Reoun Phal	Kampot	Samrong Leu	Banteay Meas	2021	5.31	B		100% completed	29 April 2022	Approved, 02 May 2022
10	CW17a-CFAVC-MRD-KP-02- 2021	Ratanak Pulrath Samaki		Damnak Sokrom	Dang Toung		6.44	B		100% completed	29 April 2022	Approved, 02 May 2022
11	CW17a-CFAVC-MRD-KP-03- 2021	Preykrang Meanrit		Mean Rith			6.9	B		100% completed	29 April 2022	Approved, 02 May 2022
12	CW17a-CFAVC-MRD-KP-04- 2021	Samaki Amatak		Srae Khnoung	Chum Kiri		3.83	B		100% completed	29 April 2022	Approved, 02 May 2022
13	CW17b-CFAVC-MRD-TK01- 2021	Kampeng Sok Sen Sambo	Takeo	Kampeng	Kirivong		5.4	B		100% completed	29 April 2022	Approved, 02 May 2022
14	CW17b-CFAVC-MRD-TK02- 2021	Samaky Trapeang Kralanh		Ou Saray	Tram Kak		8.25	B		100% completed	29 April 2022	Approved, 02 May 2022
15	CW17b-CFAVC-MRD-TK03- 2021	Bak Sey Rik Ray		Cheang Tong	Tram Kak		4.9	B		100% completed	29 April 2022	Approved, 02 May 2022
16	CW17b-CFAVC-MRD-TK04- 2021	Samaki Trapeang Chark		Trapeang Chak	Tramkak		3.4	B		100% completed	29 April 2022	Approved, 02 May 2022
17	CW17b-CFAVC-MRD-TK05- 2021	Trapeang Srangae		Trap aing Sran gae	Tramkak		4.05	B		100% completed	29 April 2022	Approved, 02 May 2022

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1	2	3	4	5	6	7	8	8'	9'	9	10	11
18	CW17c-CFAVC-MRD-TBK-01- 2021	Sammaky Meanchey	Tboung Khmum	Chak	Ou Reang Ov		8.15	B		100% completed	29 April 2022	Approved, 02 May 2022
19	CW17c-CFAVC-MRD-TBK-02- 2021	Lngieng Meamchey		Lngieng	Tboung Khmum		5.5	B		100% completed	29 April 2022	Approved, 02 May 2022
20	CW17c-CFAVC-MRD-TBK-03- 2021	Samaki Kak		Kak	Tboung Khmum		4.9	B		100% completed	29 April 2022	Approved, 02 May 2022
21	CW17c-CFAVC-MRD-TBK-04- 2021	Baitong Korksrok		Kok Srok	Dombae		2.830	B		100% completed	29 April 2022	Approved, 02 May 2022
22	CW17c-CFAVC-MRD-TBK-05- 2021	Akphirik Ponhea Kraek Dambae		Koang Kang	Ponhea Kraek		1.450	B		100% completed	29 April 2022	Approved, 02 May 2022
23	CW17c-CFAVC-MRD-TBK-06- 2021	Ponhea Kraek Rongroeng		Koang Kang	Ponhea Kraek		3.8	B		100% completed	29 April 2022	Approved, 02 May 2022
24	CW17c-CFAVC-MRD-TBK-07- 2021	Popel Meanchey		Popel	Ponhea Kraek		2.82	B		100% completed	29 April 2022	Approved, 02 May 2022
25	CW17d-CFAVC-MRD-KC-01- 2021	Akphivath Multhan Yeung		Kampong Cham	Taing Krasang		Batheay	3.93	B		100% completed	29 April 2022
26	CW17d-CFAVC-MRD-KC-02- 2021	Akpiwat Kaksekor	So Saen		Prey Chhor	5.5	B		100% completed	29 April 2022	Approved, 02 May 2022	
27	CW17d-CFAVC-MRD-KPC-03- 2021	Ponluk Thmey	Peam Chi Kang		Kang Meas	4.880	B		100% completed	29 April 2022	Approved, 02 May 2022	
28	CW17d-CFAVC-MRD-KC-04- 2021	Sammaki Baray Angdong Ang	Baray		Prey Chhor	7.77	B		100% completed	29 April 2022	Approved, 02 May 2022	
Plan for rehabilitation in year 2021 of 6 Packages Road sub-projects with Length of							101.01					
3. Plan for road sub-projects planned in 2022												
29	CW17b-CFAVC-MRD-TK1- 2022	Sensok Toek Thla	Takeo	Trap aing Kras aing	Bati	2022	7.33			Completed 90%		
30	CW17b-CFAVC-MRD-TK2- 2022	Phum Bey Meanchey		Kiri Chong Kaoh	Kirivong		1.5			Completed 90%		

Climate-Friendly Agribusiness Value Chains Sector Project (CFAVC)
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Year	Package Number	Province	Commune	District	Subproject Name	Number of Subprojects/ Package	Command area, ha	Environmental Safeguards Categorization	Status of Env. Safeguards	Status of IEE	First Date ADB Submission	Date ADB NOL	
1	2	3	4	5	6	7	8	8'	9'	9	10	11	
31	CW17b-CFAVC-MRD-TK3- 2022	Phum Bey Samaky		Krapum Chhouk	Kaoh Andaet		0.55			Completed 90%			
32	CW17b-CFAVC-MRD-TK4- 2022	Champa Prey Phdav		Champa	Prey Kabas		3.8			Completed 90%			
33	CW17b-CFAVC-MRD-TK6- 2022	Rolous Meas		Thlea Prochum	Kaoh Andaet		6.28			Completed 90%			
34	CW17b-CFAVC-MRD-TK7- 2022	Samaky Amatak Khvav		Khvav	Samrong		7			Completed 90%			
35	CW17b-CFAVC-MRD-TK8- 2022	Cheung Kuon Choukchey		Cheung Kuon	Samrong		4.4			Completed 90%			
36	CW17b-CFAVC-MRD-TK9- 2022	Punleu Kasikar	Tboung Khmum	Boeung Tranh Khang Cheung	Samrong		7.5			Completed 90%			
37	CW17c-CFAVC-MRD-TBK-01- 2022	Seda Meanchey		Dambae	DamBae		13.10			Completed 90%			
38	CW17c-CFAVC-MRD-TBK-02- 2022	Kaksekor Dambae		Tuek Chrov	DamBae		17			Completed 90%			
39	CW17c-CFAVC-MRD-TBK-03- 2022	Romdoul Dountei		Doun Tei	Ponhea Kraek		14.84			Completed 90%			
40	CW17c-CFAVC-MRD-TBK-04- 2022	Lngieng Meanchey		Lngieng	Tboung Khmum		9.65			Completed 90%			
41	CW17d-CFAVC-MRD-KC-01- 2022	Toul Preah Vihea	Kampong Cham	Sompong Chey	Cheung Prey		5.80			Completed 90%			
42	CW17d-CFAVC-MRD-KC-02- 2022	Reamea Cheung Prey		Pdau Chum			3.75			Completed 90%			
Plan for rehabilitation in year 2022 of 6 Packages Road sub-projects with Length of							102.50						
Total road planned to be studied within 3 years period is 48 lines and total of							273.63						



ANNEX 10: Progress Implementation Gender Action Plan October - December 2022

ADB Loan No. 3661-CAM (COL)/8346-CAM (EF)
Grant No. 0579-CAM (EF)

CS1 - 001 SER: Project Implementations Consulting

FOURTH QUARTERLY PROGRESS REPORT 2022
OCTOBER - DECEMBER

Prepared by

Annex 10. Progress Implementation Gender Action Plan (GAP) per December 2022

<p align="center">Gender Action Plan (GAP Activities, Indicators and Targets, Timeframe and Responsibility)</p>	<p align="center">Progress to date (December 2022) (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.</p>	<p align="center">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)</p>
<p>Output 1: Critical agribusiness value chain infrastructure improved and made climate resilient</p>		
<p>Women’s time poverty and drudgery reduced through the provision of improved time-saving and gender-responsive infrastructure. OP 2.4</p>		
<p>1.1.1 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) Target: 1 (On - track) Responsibilities: PMU MAFF (lead) and PPIUs; MOWRAM; MRD; WFN; Design engineers Time frame: Q1 Y2 - Q4 Y4</p>	<ul style="list-style-type: none"> • GFP conducted follow up planted Maize and rice fields demonstrations harvested, application of fertilizer on rice fields, 19 Mixed rice varieties show production of yielded and ACs Established product groups and beneficiary data, demonstrated cross-pollination and the second application of fertilizer was made with 16 yields of rice with total 7.7 ha were planted Maize and Rice, 43 HHS, 16 FHHs with total 325 participants (235 female or 84%) 	
<p>1.1.2 12,000 additional biodigesters and 6,000 compost huts made operational, benefiting at least 80,000 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) Target: 2 (Off- track) Responsibilities: PMU MAFF (lead) &PPIUs; GDAHP Time frame: Q1 Y2– Q4 Y4</p>	<p>CS2/ PMU/PPIU conducted on:</p> <ul style="list-style-type: none"> • Information folders, manuals, booklets and other extension material, promotion and marketing extension (posters, promotion leaflets and other promotion materials, small group meeting for extensions & seeking the interest clients, Commune & provincial workshops on project dissemination, identification and selection clients, Coordination, Internal exchange visits on-site learning and field practices to EWs, key farmers, and monitoring meeting with relevant stakeholders (on marketing mechanism Research and development pilot on use of the biodigester and compost hut construction m) with total 4179 participants (1936 females or 46%) <p>GFP PPIUs conducted</p>	

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	<p>Conducted awareness on Bio-digester and compos Huts, collected interested in Bio-digester and composting Huts for the real buyer of the Bio-digester and compose Huts, Number of composting plants in operation with total 861 participants (402 female or 47%)</p>	
<p>1.1.3 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) Target: 3 (On- track) Responsibilities: PMU MAFF (lead) and PPIUs; MOWRAM; MRD; WFN; Design engineers Time frame: Q1 Y2 - Q4 Y4</p>	<p>GFP/CS2/MPU/PPIU conducted:</p> <ul style="list-style-type: none"> Joint conducted with national MAFF staff for dissemination the importance of using Bio-digester, consultation and planning meeting on Gender Response and Climate Resilience of the infrastructure, Sex- disaggregate data and information collection with select farmers for demonstration on Bio-digester and compose huts and follow up the use of Bio-digester on mixed agriculture to farmers' beneficiary and follow up the use of bio-digester on mixed agriculture of the WFNs (growing vegetables on the shelf and harvesting vegetables gradually) especially focusing on women with total 487 participants (267 female or 55%). 	
<p>1.1.4 At least 25% of workdays created by project activities will be awarded to women. Target: 4 (On- track) Responsibilities: PMU MAFF (lead) and PPIUs; MOWRAM; MRD; contractors of civil works Time frame: Q1 Y2 - Q4 Y6</p>	<ul style="list-style-type: none"> MRD subproject for road construction: Road construction contract package CW17b-CFAVC-MRD-TK4-2020 improve 1 Road 4.67 km and Road construction contract package CW17b-CFAVC-MRD-TK3-2020-Lot 1- Improvement 1 Roads 10km in Takeo Province. 2 Road construction contract package CW17d-CFAVC-MRD-KC7 2020-Lot 1 Improvement of Rural Road (9.882 km DBST/Concrete) and CW17d-CFAVC-MRD- KC8-2020- Lot 2 Improvement of Rural Road (4.721km DBST/Concrete) in Kampong Charm Province. Road construction contract package CW17c-CFAVC-MRD-TBK5-2020-Lot 2-Improvement 3 Roads 12.00 km and Road construction contract package CW17c-CFAVC-MRD-TBK5-2020-Lot 1-Improvement 1 Roads - Improvement 1 Roads 9.774 km 	<ul style="list-style-type: none"> Normally, unskilled women workers more involved in the construction works at the commune level.

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	<p>Tboung Khmum Province. In sum total 284 skilled/ unskilled workers (64 female or 23 %). Of these, 195 Skilled worker (51 female or 26 %) and 97 Unskilled workers (30 female or 31 %) from villages commune. The total of 7384 workdays (1664 female or 23 %). Of these, skilled workers from company did 5070 working days (1326 female or 26 %), 2522 were done by unskilled workers from villages (780 female or 31 %), and females equated for working days, which equals 32 %.</p> <ul style="list-style-type: none"> • Tasks and activities performed by women and men: Men: Operating machines, general measurements, making of formwork, casting of concrete, steel bending, wiring, transporting of heavy work and control workers (incl. with use of machines). Women: Small and light work such as wiring, curing water, mixing cement, cleaning of sites and cooking. Install Rebar, Accounting Cooker, Flage Draftsman, Stoke. No “child labor” is hired by the contractor since the project start. Unskilled men and women receive equal pay for same work and fair payment. For example, women earned in amounts of 35,000 riels to 40,000 riels per day, while men received the same amounts per day inclusive, without food, provided by the contractor. Women un-skill workers in communities were encouraged to work in the construction side 	
<p>1.1.5 Skills training sessions provided to women on infrastructure related construction and rehabilitation, and operation and maintenance. Action: 1 (On- track) Responsibilities: PMU MAFF (lead) and PPIUs; GDAH; MOWRAM; MRD; contractors of civil</p>	<p>CS2/ PMU/ PPIU conducted:</p> <ul style="list-style-type: none"> • Meeting and group discussion with Contractor Company to follow up job Construction to get quality and National training on biodigester construction techniques and quality control, Training on M&E on biodigester and compost hut for PDAFF and field coaching and mention on promotion and marketing with total 1010 participants (441 females or 41%) 	<ul style="list-style-type: none"> • There was lack of women in community to participate in the construction because most of women are busy with their house, farm work and have also migrated to Phnom-Phen and even Thailand. • The contractor has committed to

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<p>works Time frame: Q4 Y1 – Q4 Y6</p>		<p>cooperate with village chiefs to get more women workers.</p>
<p>1.1.6 Involve at least 30% of women as active agents in the promotion campaigns on the use of renewable energy solutions. Target: 5 (On- track) Responsibilities: PMU MAFF (lead) &PPIUs; GDAHP Time frame: Q4 Y1 – Q4 Y4</p>	<p>CS2/ PMU/ PPIU conducted: The national workshops on biodigester and composting dissemination information and internal exchange visit on-site learning and field practices to EWs, key farmers, potential farmers, collect data on interested of Bio-digester and composting Huts for interested Bio-digester have been built, sample farmers planting vegetables on the shelf are in the process of harvesting and replanting with total 920 participants (371 females or 40 %) • GFP PPIUs conducted integration awareness on gender Mainstreaming in Bio-digester and compose Huts Use with total 244 participants (122 female or 50%).</p>	
<p>1.1.7As 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). Action: 2 (On - track) Responsibilities: PMU MAFF (lead) &PPIUs; GDAHP Time frame: Q4 Y1- Q4 Y4</p>	<p>CS2/ PMU/ PPIU conducted: • Refresher training of extension workers for biodigester and bio-slurry /e, User training for biogas plant and bio-slurry (biogas plant and bio-slurry management), Training on composting and its application to farmers and agriculture community, Internal exchange visit on-site learning and field practices to EWs, key farmers, potential farmers, Research, development, pilot and use of the biodigester and compost hut construction with total 259 participants (106 females or 41%) GFP joint conducted: Gender mainstreaming in Bio-digester compost Huts promotion/awareness and follow up the use of bio-digester on mixed agriculture network of women farmers to the beneficiary, conducting facilitate and provide gender mainstreaming on the importance Bio-digester use with total 480 participants (284 Female</p>	

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<p>1.1.8 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. Action: 3 (on-track) Responsibilities: PMU MAFF (lead) & PPIUs; GDAHP Time frame: Q1 Y2- Q4 Y4</p>	<p>or 59%) CS2/ PMU/ PPIU conducted:</p> <ul style="list-style-type: none"> • Provincial monthly Progress meetings, National coordination meetings, Field mentoring & coaching and M&E by PPIU and GDAHP/PMU, Training on data entry and database management with total 276 participants (61 females or 23%) • GFP/ PPIU joint conducted follow up and awareness the use of the Bio-digester composes Huts materials to farmers' beneficiary in the target areas, especially focusing on women heads of households with total 438 participants (255 female or 58%) 	<p>Delayed construction of biodigester and compost hut cause potential farmers change their mind and postponed the activities busy with their core.</p>
<p>Output 2: Climate smart agriculture and agribusiness promoted</p>		
<p>2.1 Gender equality in human development enhanced. OP 2.2</p>		
<p>2.1.1 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) (DMF 2b. OP 2.2.1) Target: 6 (On- track) Responsibilities: PMU MAFF (lead) and PPIUs, MOWRAM, WFN Time frame: Q1 Y2- Q4 Y6</p>	<ul style="list-style-type: none"> • GFP/PPIU Joint conducted facilitate, follow up and encourage Women Farmers to participate in training courses on SRP, CSA, planting of cassava and Maize and follow up of the rice yield seed production with total 2409 participants (1336 females or 55%). • CS2/PMU/PPIU Conducted Training of farmers on CSA, SRP, CamGAP to farmers on climate smart agriculture (CSA) for rice, cassava, maize, Training of farmers on sustainable rice production (SRP) and Training of farmers on CamGAP practice and standard compliant for fruit crop-Mango with total 5873 participants (2826 females or 48%). 	<ul style="list-style-type: none"> • Growing season, the farmers are busy with their produce and difficult meet them
<p>2.1.2 27 FWUCs/FWUGs made operational AND 500 FWUC/FWUG members, of which 30% are women, develop capacity to operate and</p>	<p>CS2 / PMU and PPIU with supporting from MOWRAM PMU/PPIU and FGP joint conducted meeting with local authorities and beneficiaries on the drafted FWUC statute for irrigation scheme and</p>	<ul style="list-style-type: none"> • There is no budget for manual translation from Khmer – English;

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<p>maintain irrigation schemes (2017: 0) (DMF 2c. OP 2.2.1) Target: 7 (On- track) Responsibilities: PMU MAFF (lead) & PPIUs Time frame: Q1 Y2- Q4 Y2</p>	<p>FWUGs elections, Capacity building and training included financial management/book keeping, administrative task trained, irrigation service fee calculation, planning trained, the minute taking and report writing trained and the conflict resolution trained with total 4338 participants (1429 female or 33%).</p>	
<p>2.1.3 30% of women farmers, including the WFN members, are involved in in the selection and multiplication of climate resilient crop varieties. Target: 8 (On- track) Responsibilities: PMU MAFF (lead) & PPIUs; CARDI; WFN Time frame: Q4 Y1- Q4 Y6</p>	<p>GFP/PPIU/CS2 joint conducted meeting and awareness with encourage communities to participants to promote quality of selection and multiplication of climate resilient crop varieties and conducted Cassava Maize seed demonstration with total 741 participants (445 females or 60 %) CS2/ PMU/PPIU component: <ul style="list-style-type: none"> Conducted training BMP-Rice=20, BMP-Cassava=10 and BMP-Maize=10 and training Rice seed production technique and follow up Cassava Maize seed demonstration in 4 target provinces in 38 villages, 31 communes and 15 districts with total 1540 key farmers selected and participants (734 females or 48 %) </p>	<ul style="list-style-type: none"> Vegetable growing techniques on the shelves limited with a low market price and the fertilized increasing price.
<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). Target: 9 (Off- track) Responsibilities: PMU MAFF (lead) and PPIUs, MOWRAM, WFN Time frame: Q1 Y2 - Q4 Y6</p>	<ul style="list-style-type: none"> GFP / PPIU /CS2 Joint conducted and follow up the acquisition of knowledge and skills from training, demonstrations, study tours and sharing experiences on the community beneficiary with total 411 participants (235 Female or 35%) <p>CS2/ PMU/ PPIU conducted:</p> <ul style="list-style-type: none"> Training to Model farmers & exchange visits, Support input for integrated farming demonstrations, quarterly technical meeting on quality control and biogas appliances, National dissemination/reflection workshops on biodigester and compost hut and meeting with technical working group on biodigester and bio-slurry and training on landscape restoration (farm mechanization) to the farmers on post-harvest technology with total 425 participants (235 females or 26%) 	

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<p>2.1.5 Women represent 40% of increased labor pool of individuals who can operate agricultural machinery. (2017 baseline: 0) Target: 10 (On- track) Responsibilities: PMU MAFF (lead) and PPIUs, MOWRAM, WFN Time frame: Q4 Y1 – Q4 Y5</p>	<p>GFP/PPIU conducted meeting and small group meeting by encourage communities and beneficiary especially women to participate in agricultural machinery control activities with total 48 participants (20 female or 42%)</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. Action: 4 (On- track) Responsibilities: PMU MAFF (lead) and PPIUs; WFN Time frame: Q1 Y2- Q4 Y2</p>	<p>CS2 /PMU/PPIU/ GFP joint conducted training for ACs boards on ACs business development and annual report writing, ACs boards on procedures for organizing crop producer groups, ACs boards on Journaling for Suppliers and Marketing for ACs with total 650 participants (136 female or 21%)</p>	<p>Women are less involved due to being busy with their housework and the percentage of women in the ACs committees are lower than the existing list.</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). Target: 11(On- track) Responsibilities: PMU MAFF (lead) and PPIUs Time frame: Q1 Y2- Q4 Y6</p>	<p>CS2 /PMU/PPIU component conducted orientation on the green financing and how to access the green loan to PPIU in the 4-target province with total 45 participants (35 females or 78%).</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</p>	<p>CS2/PPIU/ PMU CS2/PPP Specialist conducted field followed up for identified of the 25 potential Agriculture Cooperatives in the four target provinces</p>	

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<p>agribusinesses formulated and approved. (2017 baseline: 0) (DMF 3a. OP 2.3.1) Action 5: (On -track) Responsibilities: PMU MAFF Time frame: Q1 Y2 – Q3 Y1</p>	<p>for year 2023 implementing with total of 1881 participants (742 female or 39 %) GFP/PPIU: conducted consultation and planning meeting with WFNs on Gender Response and Climate Resilience of Key project Infrastructure with total 18 (6 female or 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. Action: 6 (On- track) Responsibilities: PMU MAFF (lead) and PPIUs; MAFF CCPSU: sub-national Gender focal points; WFN Time frame: Q2 Y2 - Q4 Y7</p>	<p>GFP joint conducted dissemination on gender mainstreaming in the agricultural community to ACs / WFNs with total 267 participants (153 female or 57%)</p>	
<p>3.2 Women’s economic empowerment increased OP 2.1</p>		
<p>3.2.1. 50 staff, including 30% women, from financial institutions trained in CSA and green finance. (2017 baseline: 0) (DMF 3c. OP 2.1.2) Target: 12 (On- track) Responsibilities: PMU MAFF (lead) and PPIUs Time frame: Q1 Y2 – Q4 Y6</p>	<ul style="list-style-type: none"> CS2 /PMU/PPIU component conducted on the job training of Plant Tissue Culture on Rose propagation through in-vitro culture, technical support or backstopping of GDA on training of farmers on SRP and CSA, the training need assessment on the green financing with 615 participants (346 females or 56%). 	<ul style="list-style-type: none"> Green Financing concept is seemed quick new for Cambodia context may need more awareness raising widely including out PMU and PPIU. Some activities have been delayed because late of budget dispending from ADB and MEF.
<p>3.2.2. 30 agribusinesses, including 30% women-led and/or owned trained on green finance and CSA (2017 baseline: 0) (DMF 3d.</p>	<p>CS2 /PMU/PPIU component and GFP joint conducted training of farmers on climate smart agriculture (CSA) for rice, cassava, maize. Training of farmers on sustainable rice production (SRP), Training of</p>	

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<p>OP 2.1.2) Target: 13 (On- track) Responsibilities: PMU MAFF (lead) and PPIUs Time frame: Q1 Y2 – Q4 Y6</p>	<p>AC and farmer group for Contract farming and Training of farmers on CamGAP practice and standard compliant for fruit crop-Mango, Orientation on the green finance (CF) framework and work plan for PMU cooperation with ABC, MFI and ARDB to implementation on the GF for agriculture sector with total 7034 participants (3923 females or 56%)</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 Action: 7 (Not Jet due) Responsibilities: PMU MAFF (lead) and PPIUs Time frame: Q1 Y2 – Q4 Y6</p>	<p>The activities are pending approval of the Annual Work Plan 2022 by ADB and MEF.</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) Target: 14 (On- track) Responsibilities: PMU MAFF (lead) and PPIUs Time frame: Q1 Y2 - Q4 Y6</p>	<p>CS2 /PMU/PPIU component conducted training on landscape restoration (farm mechanization) to the farmers on post-harvest technology and training of farmers on O&M of agricultural machinery, Training of farmers on agriculture production conservation, Training of farmers on post-harvest technology with total 400 participants (140 females or 35%)</p>	
<p>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</p>	<ul style="list-style-type: none"> • All of ACs were create by PDAFF and the members of ACs are Women Farmers Network (WFN) agricultural products supplier. ACs have their own business such as save money, clean water, buy and sell safe vegetables, agricultural inputs, plowing, sell fertilizers, 	<ul style="list-style-type: none"> • Preferably monthly meetings with relevant stakeholders. The civil work in the 3 Ministry become more and more, spend a lot of time to collected report

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<p>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>sell rice, weave, produce soap, vender trader, produce and sell natural fertilizers and rice seeds. The sources of ACs budget for implementation derived from shareholders and community business. The community well aware about the ACs activities. The main task of work for ACs members is rice production, animal husbandry, fruits and vegetables cultivating in the families, sell laborer.</p>	<p>from contractors site engineers and CSs.</p>
<p>4.2. Prepare annual work plans to implement the activities of the GAP.</p>	<ul style="list-style-type: none"> • On 17 October 2022, The National Gender Specialist was joint ABWP year 2023 with IAs/ EAs and PMU, the gender budget breakdown has been integrating in the CS2 component budget code for PMU. • GFP Team together with the Gender consultants has developed training workplan at commune level to ensure the best practice for them on integration of gender into CFAVC during field training. 	
<p>4.3. Gender consultants (national and international) recruited to support GAP implementation, monitoring and reporting and to build the capacity of the GCPSU and gender focal points and PMU staff in gender analysis and mainstreaming.</p>	<ul style="list-style-type: none"> • On 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. Most of participants have already been trained in Gender at Tonle Basac Restauranter II Phnom-Penh. The workshop was open remark by H.E Hor Malin with total 53 participants (30 female or 56%). The training sessions will use power point presentations. They will provide to discuss and present their work to ensure that they fully understand the gender concepts and feel comfortable in training others. All training materials will be provided in Khmer. • The two-day training is structured in main parts of: <ol style="list-style-type: none"> 1. New Gender Action Plan (GAP) Implementation, Monitoring and reporting. 2. Review and update provincial training proposals at the local level. 	

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<p align="center">Gender Action Plan (GAP Activities, Indicators and Targets, Timeframe and Responsibility)</p>	<p align="center">Progress to date (December 2022) (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.</p>	<p align="center">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)</p>
	<p>3. Introduce training topics for practice at the local level such as seed selection related to crop production for the four value chains (maize, rice, cassava and mango) for community training.</p> <p>4. Budget for gender implementation at commune level.</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>Capacity building of GFPs through the support of knowledge and skills in the work of gender specialist and the opportunity to conduct gender activities at the community level directly with relevant project officers on gender mainstreaming and GAP implementation approaches, particularly for monitoring and follow up and collect sex data.</p>	<p>As the GAP is mirrored the DMF, thus there is no separate budget to implement GAP, and it is well-integrated in the project's budget allocation/plan, such as training, sharing of information, workshop and awareness programs and field work etc.</p>
<p>4.5. Collection and analysis of sex disaggregated data where relevant and included in project reports (DMF, GAP and PPMS).</p>	<ul style="list-style-type: none"> • Data obtained from GFP /PPIU and engineers on a regular basis 	<ul style="list-style-type: none"> • Data received from CS2 component is not timely.
<p>4.6. GAP implementation progress reports included in regular monitoring and reporting activities (at least semi-annually to ADB).</p>	<ul style="list-style-type: none"> • Gender focal persons meet every month, and attend project meetings and visit construction sites to oversee the project implementation including women's participation and gender issues. • During the site observation, action plan(s) were designated as being accountable for specific objectives and activities for Gender and women participant. However, the contractor responsible for ensuring that women participant process needs to be monitored to meet the contract bids agreement requirement. • Site managers understand of the GAP and Gender mainstreaming and they are instructed to monitor the work conditions for women in the construction work, it will also serve to attract and retain women as workers during a critical time of labor shortages in the 	

Climate-Friendly Agribusiness Value Chains Sector Project (CFAVC)
 Fourth Quarterly Progress Report 2022: October - December

Gender Action Plan (GAP Activities, Indicators and Targets, Timeframe and Responsibility)	Progress to date (December 2022) (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)
	construction.	

Comments/ Remarks:

Accomplished by: _____

Date Accomplished: _____



ANNEX 11: Details Procurement October - December 2022

**ADB Loan No. 3661-CAM (COL)/8346-CAM (EF)
Grant No. 0579-CAM (EF)**

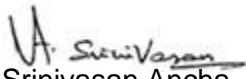

CS1 - 001 SER: Project Implementations Consulting

**FOURTH QUARTERLY PROGRESS REPORT 2022
OCTOBER - DECEMBER**

Prepared by



ASIAN DEVELOPMENT BANK
6 ADB Avenue, Mandaluyong City
1550 Metro Manila, Philippines
Tel +63 2 632 4444
www.adb.org

<p>To: Dr. Sam Chhom Sangha Project Director and Deputy Secretary General Ministry of Agriculture, Forestry and Fisheries Phnom Penh, Cambodia</p>	<p>Date: 16 January 2023</p>
<p>Originator:  Srinivasan Ancha Principal Climate Change Specialist, SEER</p>	<p>Endorsed by:  For: Aliya Mukhamedyarova Unit Head, Project Administration, SEER</p>

Subject: Grant 0579 CAM: Climate-Friendly Agribusiness Value Chains Sector Project – Signed Contract with the Consulting Firm to develop the ICT Platform for Climate Risk Management in Agribusiness Value Chains in Kampong Cham Province (Package No.: CS4)

Dear Dr. Sangha:

This refers to the contract signed with the **Resources Development Consultants (Pvt) Ltd. in joint venture with Genesis Software (Pvt) Ltd., and in association with CAM-CSTR Co., Ltd** to provide consulting services for the Information and Communication Technology (ICT) Platform for Climate Risk Management in Agribusiness Value Chains in Kampong Cham Province.

We have reviewed the signed contract and confirm that the signed contract largely followed the draft contract attached to the issued request for proposal but clauses 43.1 and 43.2 of the special conditions of the contract (SCC) were deleted. We noted that the clauses were deleted because the ones included in the draft contract are applicable only when a consultant is not tax-exempt, and the executing agency (the “client”) shall reimburse taxes to the consultant.

Since SCC 41.2 stated that the consultant shall be exempt from local taxes, please update the second paragraph SCC 41.2 to read as follows: *“Government warrants that under this contract, the Consultant shall be exempt from any local taxes, under the applicable law, on the Consultant. Should this not be the case, the Government shall pay on behalf of the Consultant such as taxes and duties in accordance with GCC 43.2.”*

Please re-insert the SCC 43.1 and 43.2 with the following clauses on taxes and duties:

Taxes and Duties

The Client warrants that the Consultant, the Sub-Consultants, and the Experts shall be exempt from any local indirect taxes and other local taxes in accordance with GCC 43.2, duties, fees, levies, and other impositions imposed, under the applicable law in the Client’s country, on the Consultant, the Sub-Consultants and the Experts in respect of:

- (a) any payments whatsoever made to the Consultant, Sub-Consultants and the Experts (other than nationals or permanent residents of the Client’s country), in connection with the carrying out of the Services;*

- (b) any equipment, materials, and supplies brought into the Client's country by the Consultant or Sub-Consultants for the purpose of carrying out the Services and which, after having been brought into such territories, will be subsequently withdrawn by them;*
- (c) any equipment imported for the purpose of carrying out the Services and paid for out of funds provided by the Client and which is treated as property of the Client; and*
- (d) any property brought into the Client's country by the Consultant, any Sub-Consultants or the Experts (other than nationals or permanent residents of the Client's country), or the eligible dependents of such experts for their personal use and which will subsequently be withdrawn by them upon their respective departure from the Client's country, provided that:*
 - (i) the Consultant, Sub-Consultants, and Experts shall follow the usual customs procedures of the Client's country in importing property into the Client's country; and*
 - (ii) if the Consultant, Sub-Consultants or Experts do not withdraw but dispose of any property in the Client's country upon which customs duties and taxes have been exempted, the Consultant, Sub-Consultants or Experts, as the case may be, (a) shall bear such customs duties and taxes in conformity with the regulations of the Client's country, or (b) shall reimburse them to the Client if they were paid by the Client at the time the property in question was brought into the Client's country.*

The above updates are to provide clarification on how tax exemption will be applied and are considered minor. Following this, we have issued the EA-administered contract number 0016 for **\$1,694,111, exclusive of local taxes.**

We look forward to receiving the updated SCC for our project files. Your continuous support is greatly appreciated.

Sincerely,



Jiangfeng Zhang

Director

Environment, Natural Resources and Agriculture Division
Southeast Asia Department

cc:

H.E. Vongsey Vissoth, Minister attached to the Prime Minister and Permanent Secretary of State, Ministry of Economy and Finance (MEF)
H.E. Hem Vanndy, Secretary of State, Ministry of Economy and Finance (MEF)
H.E. Chan Darong, Secretary of State and Project Director, MRD
H.E. Chann Sinath, Secretary of State and Project Director, MOWRAM
H.E. Pen Thirong, Under Secretary of State, MEF
H.E. Chhuon Samrith, Director General, General Department of International Cooperation and Debt Management (GDICDM), MEF
Mr. Yi Sokthearith, Deputy Director General, MEF
Mr. Houll Bonnaroth, Director, Department of Multilateral Cooperation, GDICDM, MEF
Mr. Non Wattanak, Deputy Director, Department of Multilateral Cooperation, GDICDM, MEF
Ms. Veng Youim, Deputy Director, Office of Multilateral Cooperation 1, DMC, GDICDM, MEF
Mr. Chan Sopanhavorn, Chief, OMC1, DMC, GDICDM, MEF
Ms. Ieng Sreyleap, Deputy Chief, OMC 1, DMC, GDICDM, MEF (ieng.sreyleapi2@gmail.com)
Mr. Ouch Kithya, Assistant to Director Bonnaroth, MEF (kithyaouch@gmail.com)
Mr. Willem J. van Diest, Team Leader, CS1 Project Implementation Consulting firm (vandiest@hotmail.com)
Ms. Jyotsana Varma, Country Director, CARM
Mr. C. Hem, ADB-Cambodia Resident Mission

Ref: *Doc log no. 48409-002_116*
SA/kc

MINUTE OF BID OPENING

Cont. No: CW17b-CFAVC-MRD-TK-1A & 2A-Batch 2
BID/Contract Title: - Lot 1 – Improvement of 13.976 km in Takeo Province.
 - Lot 2 – Improvement of 12.761 km in Takeo Province.
Submission Date Deadline and Bid Opening, Date: 27th October 2022.

Time: 09:00 hours (Cambodia Time) and bids were publicly opened and read at 09:10 hours on the same date.

Venue: At Meeting Room No. 705, 7th Floor of MRD, No. 771-773, Preah Monivong Blvd, Sangkat Boeung Trabek, Khan Chamkar Morn, Phnom Penh, Cambodia.

1. Record of Bids Opening

- **Lot 1:**

No	Name of Bidder		Power of Attorney	Bid Securing Declaration	Read Out Bid Price (in USD)	Unconditional discount Offered	Bidder's Representative	
	Name	Country					Name	Signature
1	Tank Kim Eng Co., Ltd	Cambodia	Yes	Yes	US\$ 2,222,029.01	No	Mr. Kon Koeun	
2	Royal Mekong Construction & Development Pte. Ltd.	Cambodia	Yes	Yes	US\$ 2,007,901.19	No	Mr. Heng Rathpisa	
3	Ung Sim Sia Construction Co., Ltd.	Cambodia	Yes	Yes	US\$ 2,241,342.19	No	Mr. Na Tityavirak	
4	Henan Water Construction Group Co., Ltd	Cambodia	Yes	Yes	US\$ 1,886,194.59	No	Mr. Hong Leanghour	
5	6 Stars Construction Co., Ltd.	Cambodia	Yes	Yes	US\$ 1,836,447.70	No	Mr. Chhour Kimsour	
6	KBH Construction Co., Ltd.	Cambodia	Yes	Yes	US\$ 2,094,059.67	No	Mr. Phal Sokunrana	
7	C.NO Construction & Investment	Cambodia	Yes	Yes	US\$ 2,101,383.75	No	Mr. Theb Meta	
8	CRCC Harbour & Channel Engineering Bureau Group Co., Ltd.	China	Yes	Yes	US\$ 2,557,032.11	No	Mr. Yang Xin	



Ministry of Rural Development
Climate-friendly Agribusiness Value Chains Sector Project
ADB Loan No. 3661-CAM (COL)/8346-CAM (EF)/Grant No. 0579-CAM (EF)

Lot 2:

No	Name of Bidder		Power of Attorney	Bid Securing Declaration	Read Out Bid Price (in USD)	Unconditional discount Offered	Bidder's Representative	
	Name	Country					Name	Signature
1	Tank Kim Eng Co., Ltd	Cambodia	Yes	Yes	US\$ 2,058,582.04	No	Mr. Kon Koeun	
2	Royal Mekong Construction & Development Pte. Ltd.	Cambodia	Yes	Yes	US\$ 1,784,942.15	No	Mr. Heng Rathpisa	
3	Ung Sim Sia Construction Co., Ltd.	Cambodia	Yes	Yes	US\$ 2,003,302.89	No	Mr. Na Tityavirak	
4	Henan Water Construction Group Co., Ltd	Cambodia	Yes	Yes	US\$ 1,905,472.56	No	Mr. Hong Leanghour	
5	6 Stars Construction Co., Ltd.	Cambodia	Yes	Yes	US\$ 1,657,935.05	No	Mr. Chhour Kimsour	
6	KBH Construction Co., Ltd	Cambodia	Yes	Yes	US\$ 1,878,233.21	No	Mr. Phal Sokunrana	
7	C.NO Construction & Investment	Cambodia	Yes	Yes	US\$ 1,880,287.46	No	Mr. Theb Meta	
8	CRCC Harbour & Channel Engineering Bureau Group Co., Ltd.	China	Yes	Yes	US\$ 2,306,294.43	No	Mr. Yang Xin	



Ministry of Rural Development
Climate-friendly Agribusiness Value Chains Sector Project
ADB Loan No. 3661-CAM (COL)/8346-CAM (EF)/Grant No. 0579-CAM (EF)

Agenda

- (i) Declaration of Opening of Bids
 - (ii) Registration of Attendees
 - (iii) Reading out and Recording of Bids
 - (iv) Clarification/Question Raised : None
 - (v) Closing of Opening of Bids
 - (vi) Signing of Minutes of Bid Opening
2. SIGNATURE: MEMBERS OF BID OPENING COMMITTEE



H.E. Ing Vanna,
Project Manager
Ministry of Rural development



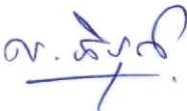
Ms. IENG Sreyleap,
Representative
Ministry of Economy and Finance



Mr. SRUN Pithou,
Procurement Officer
Ministry of Rural development



Mrs. SIV Sinyda
Representative
Ministry of Economy and Finance



Mr. Lean Phirun,
Technical Officer
Ministry of Rural Development

3. CLOSING OF BID OPENING: The proceeding of the bid opening ended at **10:00** hours
(Cambodia time)



ANNEX 12: Disbursement Details October - December 2022

**ADB Loan No. 3661-CAM (COL)/8346-CAM (EF)
Grant No. 0579-CAM (EF)**

CS1 - 001 SER: Project Implementations Consulting

**FOURTH QUARTERLY PROGRESS REPORT 2022
OCTOBER - DECEMBER**

Prepared by

CFAVC-Climate-Friendly Agribusiness Value Chains Sector Project

ADB Loan Numbers: L 3661-CAM (COL), L8346-CAM(EF), Grant No. 0579-CAM(EF)

Annex 12. Disbursement Details October - December 2022

Quarterly Financial Report for the quarter ending:

31/Dec/2022

Content:

CONSOLIDATED

1. Table: Disbursement S-Curve
2. Table: Utilization of Funds-All PMUs
3. Table: Summary of Disbursement-All PMUs
4. Table: Summary of Expenditures-All PMUs
5. Table: Summary of Expenditures by Sources of Fund-All PMUs

ANNEX:

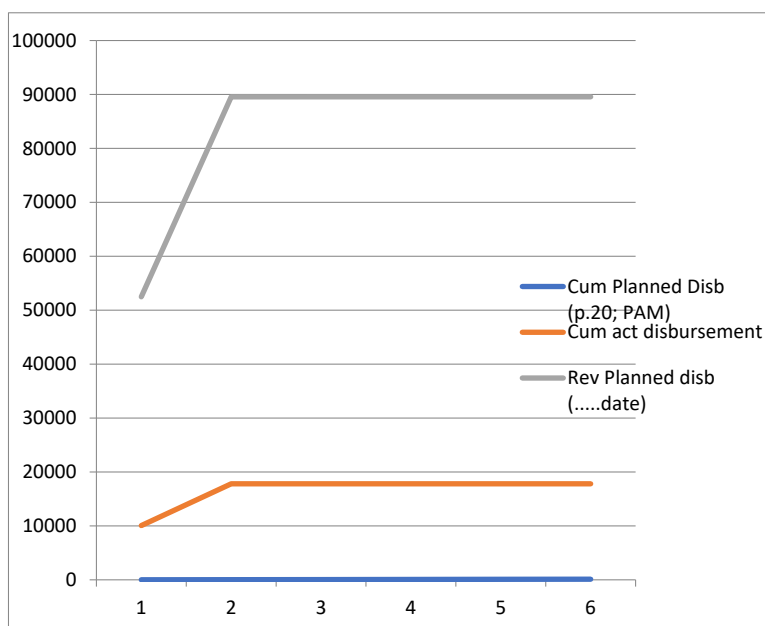
6. **Detailed Statement of PUM-MAFF**
 - 1 Statement of Expenditure by category
 - 2 Statement of Expenditures by Accounts
 - 3 Statement of Source and Use of Fund
 - 4 Statement of Comparison of Budget and Actual Expenditure
7. **Detailed Statement of PMU-MOWRAM**
 - 1 Statement of Expenditure by category
 - 2 Statement of Expenditures by Accounts
 - 3 Statement of Source and Use of Fund
 - 4 Statement of Comparison of Budget and Actual Expenditure
8. **Detailed Statement of PMU-MRD**
 - 1 Statement of Expenditure by category
 - 2 Statement of Expenditures by Accounts
 - 3 Statement of Source and Use of Fund
 - 4 Statement of Comparison of Budget and Actual Expenditure

I. Tables: Disbursement S-Curves

For the period ending:

31/Dec/2022

YEAR	1	2	3	4	5	6	7
Planned disb (acco to PAM)		7.19	20.61	23.75	28.45	24.44	14.76
Cum Planned Disb		7.19	27.8	51.55	80	104.44	119.2
Revised annual disb	15,416	37,072.0	37,072.00	1	1	1	1
Cum Planned Disb		52,488.3	89,560.3	89,561.3	89,562.3	89,563.3	89,564.3
Act Disb	5,657.1	4,409.1	7,742.8	0	0	0	0
Act Cum Disb		10,066.1	17,809.0	17,809.0	17,809.0	17,809.0	17,809.0



2. Table: UTILIZATION OF FUNDS (ADB, COFINANCING, COUNTERPART FUNDS AND BENEFICIARIES)

For the Quarter Ending: 31-Dec-22

PMU: MAFF

Expenditure	Expenditures during the Reporting Period (\$) (Q4)						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	10,958	-	-	-	-	10,958	1,890,833	-	-	-	-	1,890,833	8.1%
Goods (Equipment & Supplies)	-	-	-	-	-	-	913,650	-	-	-	-	913,650	40.0%
Capacity Development (Training, Workshops, Seminars)	-	-	99,714	-	-	99,714	-	-	1,406,912	-	-	1,406,912	21.8%
Consulting Services	330,012	-	-	-	-	330,012	5,346,394	-	-	-	-	5,346,394	63.4%
Incremental Operating Costs (Project Management)	83,910	-	-	24,075	-	107,985	960,071	-	-	375,204	-	1,335,276	182.8%
Subtotal	424,880	-	99,714	24,075	-	548,669	9,110,949	-	1,406,912	375,204	-	10,893,064	19.1%
JFPR Total						-						-	
GOVERNMENT						-						-	
OTHER DONOR/ Interest Charges	100,723	1,457				102,179	192,075	1,864				193,939	
						-						-	
GRAND TOTAL: PMU-MAFF	525,603	1,457	99,714	24,075	-	650,849	9,303,023	1,864	1,406,912	375,204	-	11,087,003	19.4%

* Achievement is defined as cumulative disbursement divided by the cost estimate as in the project document.

PMU: MOWRAM

Expenditure	Expenditures during the Reporting Period (\$) (Q4)						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	211,483	34,972	28,914	-	-	275,368	1,713,179	283,299	234,224	-	-	2,230,702	5.1%
Goods (Equipment & Supplies)	-	-	-	-	-	-	-	-	-	-	-	-	
Capacity Development (Training, Workshops, Seminars)	-	-	22,456	-	-	22,456	-	-	135,386	-	-	135,386	44.3%
Consulting Services	-	-	-	-	-	-	-	-	-	-	-	-	
Incremental Operating Costs (Project Management)	10,313	-	-	11,265	-	21,578	101,765	-	-	185,565	-	287,330	57.3%
Subtotal	221,796	34,972	51,369	11,265	-	319,402	1,814,944	283,299	369,610	185,565	-	2,653,418	6.0%
JFPR Total						-						-	
GOVERNMENT						-						-	
OTHER DONOR/ Interest Charges						-						-	
						-						-	
GRAND TOTAL: PMU-MOWRAM	221,796	34,972	51,369	11,265	-	319,402	1,814,944	283,299	369,610	185,565	-	2,653,418	6.0%

* Achievement is defined as cumulative disbursement divided by the cost estimate as in the project document

PMU: MRD

Expenditure	Expenditures during the Reporting Period (\$) (Q4)						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	385,388	63,730	52,690	-	-	501,807	1,263,226	208,893	172,707	-	-	1,644,826	4.4%
Goods (Equipment & Supplies)	-	-	-	-	-	-	-	-	-	-	-	-	-
Capacity Development (Training, Workshops, Seminars)	-	-	-	-	-	-	-	-	-	-	-	-	0.0%
Consulting Services	-	-	-	-	-	-	-	-	-	-	-	-	-
Incremental Operating Costs (Project Management)	14,066	-	-	3,720	-	17,786	183,605	-	-	64,560	-	248,165	0.5%
Subtotal	399,453	63,730	52,690	3,720	-	519,593	1,446,831	208,893	172,707	64,560	-	1,892,991	4.9%
JFPR Total						-						-	
GOVERNMENT						-						-	
OTHER DONOR/ Interest Charges						-						-	
						-						-	
GRAND TOTAL: PMU-MRD	399,453	63,730	52,690	3,720	-	519,593	1,446,831	208,893	172,707	64,560	-	1,892,991	4.9%

OVERALL TOTAL (MAFF+MOWRAM+MRD)	1,146,852	100,158	203,774	39,060	-	1,489,843	12,564,799	494,057	1,949,228	625,329	-	15,633,413	11.1%
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* Achievement is defined as cumulative disbursement divided by the cost estimate as in the project document

CONSOLIDATED (PMU-MAFF, MOWRAM & MRD)

Expenditure	Expenditures during the Reporting Period (\$) (Q4)						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	607,829	98,701	81,603	-	-	788,133	4,867,238	492,193	406,930	-	-	5,766,361	
Goods (Equipment & Supplies)	-	-	-	-	-	-	913,650	-	-	-	-	913,650	
Capacity Development (Training, Workshops, Seminars)	-	-	122,170	-	-	122,170	-	-	1,542,298	-	-	1,542,298	
Consulting Services	330,012	-	-	-	-	330,012	5,346,394	-	-	-	-	5,346,394	
Incremental Operating Costs (Project Management)	108,288	-	-	39,060	-	147,348	1,245,442	-	-	625,329	-	1,870,771	
Subtotal	1,046,129	98,701	203,774	39,060	-	1,387,664	12,372,724	492,193	1,949,228	625,329	-	15,439,474	
JFPR Total	-	-	-	-	-	-	-	-	-	-	-	-	
GOVERNMENT	-	-	-	-	-	-	-	-	-	-	-	-	
OTHER DONOR/ Interest Charges	100,723	1,457	-	-	-	102,179	192,075	1,864	-	-	-	193,939	
						-	-	-	-	-	-	-	
OVERALL TOTAL (MAFF-MOWRAM-MRD)	1,146,852	100,158	203,774	39,060	-	1,489,843	12,564,799	494,057	1,949,228	625,329	-	15,633,413	

Reconciled Correct Correct Correct Correct Correct Correct Correct Correct Correct Correct Correct Correct

3. Tables: Summary of Disbursement by Sources of Fund of PMUs

Disbursement ADB Loan Nr. 3661-CAM

For the period ending:

31/Dec/2022

No.	Expenditure Item	Total Amount Allocated for ADB Financing		Disbursement (\$)			Total Disbursement (\$)
		Category	Subcategory	PMU-MAFF	PMU-MOWRAM	PMU-MRD	
1	Civil Works	67,630,590.00					-
1A	Irrigation and Roads		60,537,190.00	-	1,779,396	385,388	2,164,784
1B	Warehouses and Laboratory		5,762,800.00	2,304,287			2,304,287
1C	Other Infrastructure		1,330,600.00	-			-
2	Equipment, Material, Goods, and Project Implementation Services	16,757,700.00		6,546,605			6,546,605
3	Incremental Operating Costs	4,187,100.00		890,651	-	14,065.57	904,717
4	Interest Charges	1,424,610.00					-
	Advance			1,000,000	448,000	100,000	1,548,000
	Total	90,000,000		10,741,543	2,227,396	499,453	13,468,393

15.0%

Disbursement GCF Loan 8346-CAM

For the period ending:

31/Dec/2022

No.	Expenditure Item	Total Amount Allocated for GCF Financing	Disbursement (\$)			Total Disbursement (\$)
			PMU-MAFF	PMU-MOWRAM	PMU-MRD	
1	Civil Works	9,963,900.00		224,684.00	63,729.50	288,413.50
2	Irrigation and Roads	36,100.00				-
	Advance			366,000.00		366,000.00
	Total	10,000,000.00	-	590,684.00	63,729.50	654,413.50

6.5%

Disbursement Grant No. 0579-CAM

For the period ending:

31/Dec/2022

No.	Expenditure Item	Total Amount Allocated for GCF Financing		Disbursement (\$)			Total Disbursement (\$)
		Category	Subcategory	PMU-MAFF	PMU-MOWRAM	PMU-MRD	
1	Civil Works	11,263,860.00			272,844		272,844
1A	Irrigation and Roads		8,295,660.00			52,690	52,690
1B	Warehouses and Laboratory		114,050.00				-
1C	Biogas Plants and Compost Huts		2,854,150.00				-
2	Equipment, Studies, Surveys, and Project Implementation Services	10,785,430.00					-
3	Training, Workshops and Demonstration	7,456,780.00		1,212,322	-		1,212,322
4	Incremental Operating Costs	493,930.00			-		-
	Advance			1,000,000	352,000		1,352,000
	Total	30,000,000		2,212,322	624,844	52,690	2,889,855

9.6%

Disbursement RGC

For the period ending:

31/Dec/2022

No.	Expenditure Item	Total Amount Allocated for RGC Financing		Disbursement (\$)			Total Disbursement (\$)
		Category	Subcategory	PMU-MAFF	PMU-MOWRAM	PMU-MRD	
1	Civil Works						-
1A	Irrigation and Roads						-
1B	Warehouses and Laboratory						-
1C	Biogas Plants and Compost Huts						-
2	Equipment, Material, Goods, and Project Implementation Services						-
3	Incremental Operating Costs			323,512	174,300	57,120	554,932
4	Interest Charges						-
	Advance			150,000	40,000	51,370	241,370
	Total	7,376,000.00		473,512	214,300	108,490	796,302

10.8%

Disbursement Beneficiaries

For the period ending:

31/Dec/2022

No.	Expenditure Item	Total Amount Allocated for		Disbursement (\$)			Total Disbursement
		Category	Subcategory	PMU-	PMU-	PMU-	
1	Civil Works	3,664,000.00					-
1A	Irrigation and Roads						-
1B	Warehouses and Laboratory						-
1C	Biogas Plants and Compost Huts		3,664,000.00				-
2	Equipment, Material, Goods, and Project						-
3	Incremental Operating Costs						-
4	Interest Charges						-
	Advance						-
	Total	3,664,000.00		-	-	-	-

0.0%

Overall Summary:

Total Allocation	141,040,000
Total Advance	3,507,370
Disbursement	14,301,594
Total Disbursement	17,808,964

Overall % 12.6%

4. Table: SUMMARY OF EXPENDITURES BY PMUs Vs BUDGET

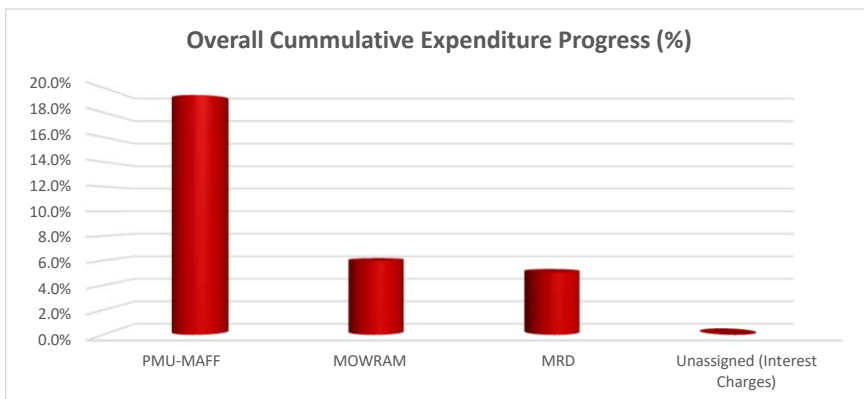
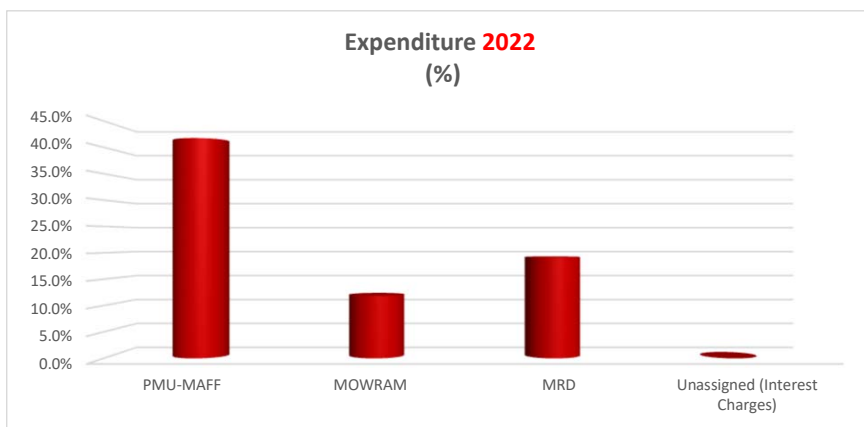
For the period ending: **31/Dec/2022**

EAs/ IAs	Budget (Allocation)	2022 Annual Budget	Year to date Expenditures 31/Dec/2022	Cumulative to date Expenditures 31/Dec/2022	Overall Expenditures Rate %	
					2022	Overall
PMU-MAFF	57,149,457	13,518,300	5,642,790	11,087,003	41.7%	19.4%
MOWRAM	44,235,807	14,706,500	1,741,181	2,653,418	11.8%	6.0%
MRD	37,349,607	8,847,200	1,693,179	1,892,991	19.1%	5.1%
Unassigned (Interest Charges)	2,305,129	-	-	-	0.0%	0.0%
TOTAL	141,040,000	37,072,000	9,077,150	15,633,413	24.5%	11.1%

5. Table: SUMMARY OF EXPENDITURES BY SOURCES OF FUND Vs BUDGET

SOURCE	Budget (Allocation)	2022 Annual Budget	Year to date Expenditures 31/Dec/22	Cumulative to date Expenditures 31/Dec/22	Overall Expenditures Rate %	
					2022	Overall
ADB loan	90,000,000	28,295,290	7,289,708	12,564,799	25.8%	14.0%
GCF loan	10,000,000	2,251,970	406,618	494,057	18.1%	4.9%
GCF Grant	30,000,000	5,867,760	1,186,797	1,949,228	20.2%	6.5%
RGC	7,376,000	396,190	194,027	625,329	49.0%	8.5%
Beneficiaries	3,664,000	260,790	-	-	0.0%	0.0%
TOTAL	141,040,000	37,072,000	9,077,150	15,633,413	24.5%	11.1%

0.00



CFAVC-Climate-Friendly Agribusiness Value Chains Sector Project

ADB Loan Numbers: L 3661-CAM (COL), L8346-CAM(EF), Grant No. 0579-CAM(EF)

EA: PMU-MAFF

Quarterly Financial Report for the quarter ending:

31/Dec/2022

Content:

- 1. Statement of Expenditure by category**
- 2. Statement of Expenditures by Accounts**
- 3. Statement of Source and Use of Fund**
- 4. Statement of Comparison of Budget and Expenditure**

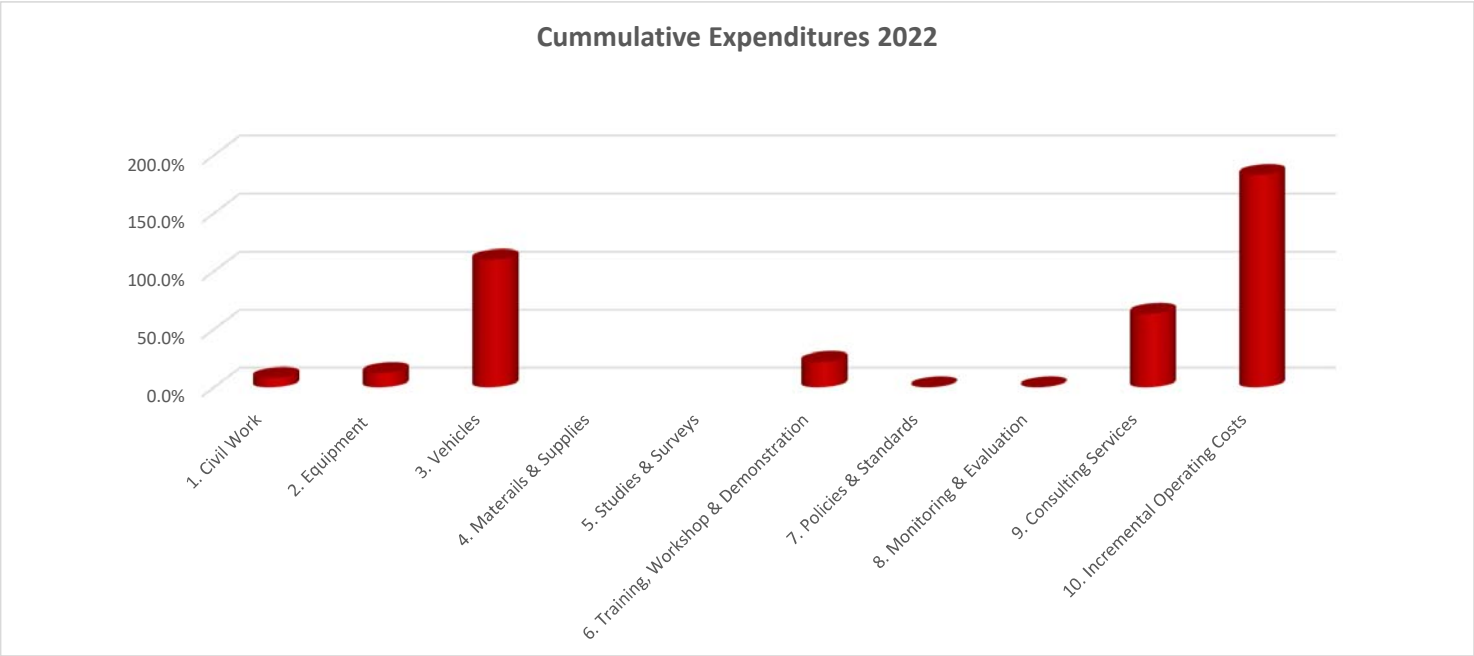
EA: PMU-MAFF

I. Statement of Expenditure by Category for the Quarter Ending: 31/Dec/2022

(Quarterly Report in USD)

Category	Budget (Allocation) US\$	Committed ^a US\$	Actual Previous Exp. US\$	Actual Expenditures			Balance US\$	Expenditures Rate %
				Current	Year to date	Cummulative to date		
				4 Q' 2022	4 Q' 2022	4 Q' 2022		
	(1)	(2)	(3)	(4)	(5)	(6)=(3)+(4)	(7)=(1)-(2)-(6)	(8) = (6)/(1)
A. Investment Costs								
1. Civil Work	23,276,280	2,013,072	1,879,875	10,958	1,843,937	1,890,833	19,372,375	8.1%
2. Equipment	1,603,640	-	196,418	-	-	196,418	1,407,222	12.2%
3. Vehicles	653,270	-	717,232	-	82,368	717,232	(63,962)	109.8%
4. Materails & Supplies	805,617	-	-	-	-	-	805,617	
5. Studies & Surveys		-	-	-	-	-	-	
6. Training, Workshop & Demonstration	6,452,850	-	1,307,197	99,714	771,856	1,406,912	5,045,938	21.8%
7. Policies & Standards	11,311,850	-	-	-	-	-	11,311,850	0.0%
8. Monitoring & Evaluation	3,876,940	-	-	-	-	-	3,876,940	0.0%
9. Consulting Services	8,438,550	4,404,790	5,016,382	330,012	2,374,251	5,346,394	(1,312,635)	63.4%
10. Incremental Operating Costs	730,460		1,227,291	107,985	468,200	1,335,276	(604,816)	182.8%
Total Investment Costs (A)	57,149,457	6,417,862	10,344,395	548,669	5,540,611	10,893,064	39,838,530	19.1%
B. Contingencies								
1. Physical	-			-	-	-	-	
2. Price	-			-	-	-	-	
Total Contingencies (B)	-	-	-	-	-	-	-	
C. Financial Charges During Implementation								
1. Interest Charges During Implementation			91,760	102,179	102,179	193,939	(193,939)	
Total Financial Charges During Implementation ©	-	-	91,760	102,179	102,179	193,939	(193,939)	
GRAND TOTAL (A)+(B)+©	57,149,457	6,417,862	10,436,155	650,849	5,642,790	11,087,003	39,644,592	19.4%

^a Outstanding invoices, contracts and retention monies payable



EA: PMU-MAFF

2. Statement of Expenditure by Accounts

Report for the Quarter Ending:

31/Dec/2022

Cumulative Since Effectiveness Date

Expense	ADB-L3661	L-8346	G-0579	RGC	TOTAL
6 · Expense/ Project Expenditures					
61 · Investment Costs					
6101 · Civil Works					
610120 · Storage Warehouse & Laboratory	1,890,832.91	0.00	0.00	0.00	1,890,832.91
Total 6101 · Civil Works	1,890,832.91	0.00	0.00	0.00	1,890,832.91
6102 · Equipment					
610220 · Office Equipment	196,418.00	0.00	0.00	0.00	196,418.00
Total 6102 · Equipment	196,418.00	0.00	0.00	0.00	196,418.00
6103 · Vehicles					
610300 · Vehicles – 4 Wheels Drive	611,950.00	0.00	0.00	0.00	611,950.00
610310 · Motorcycles	105,282.00	0.00	0.00	0.00	105,282.00
Total 6103 · Vehicles	717,232.00	0.00	0.00	0.00	717,232.00
6106 · Training, Workshops & Demons					
610600 · Training, Workshops & Demons	0.00	0.00	1,406,911.54	0.00	1,406,911.54
Total 6106 · Training, Workshops & Demons	0.00	0.00	1,406,911.54	0.00	1,406,911.54
6109 · Consulting Services					
610900 · PIC - FS & Detailed Engineering	1,958,187.58	0.00	0.00	0.00	1,958,187.58
610910 · PIC - Capacity Building and CSA	1,221,096.76	0.00	0.00	0.00	1,221,096.76
610920 · PIC - Project Management	2,167,110.07	0.00	0.00	0.00	2,167,110.07
Total 6109 · Consulting Services	5,346,394.41	0.00	0.00	0.00	5,346,394.41
6110 · Incremental Operating Cost					
61100 · Project Staff					
611001 · Project Staff-PMU	33,408.23	0.00	0.00	90,900.00	124,308.23
611002 · Project Staff-GDA	12,864.69	0.00	0.00	71,820.00	84,684.69
611003 · Project Staff-GDAH	3,720.00	0.00	0.00	34,560.00	38,280.00
611004 · Project Staff-CARDI	3,840.00	0.00	0.00	34,560.00	38,400.00
611005 · Project Staff-PPIU-KPT	18,619.69	0.00	0.00	33,620.00	52,239.69
611006 · Project Staff-PPIU-TAK	18,479.69	0.00	0.00	33,620.00	52,099.69
611007 · Project Staff-PPIU-KCM	18,579.69	0.00	0.00	28,820.00	47,399.69
611008 · Project Staff-PPIU-TBK	18,414.69	0.00	0.00	33,620.00	52,034.69
Total 61100 · Project Staff	127,926.68	0.00	0.00	361,520.00	489,446.68
61120 · Office Operations & Support					
611200 · Vehicle Fuel	93,066.48	0.00	0.00	0.00	93,066.48
611201 · Vehicle maintenance	22,006.19	0.00	0.00	0.00	22,006.19
611202 · Vehicle rental	30,000.00	0.00	0.00	0.00	30,000.00
611203 · Per Diem & Travel costs	435,107.44	0.00	0.00	0.00	435,107.44
611204 · Office & Reproduction Supplies	45,510.97	0.00	0.00	0.00	45,510.97
611205 · Office maintenance & Utilities	20,696.50	0.00	0.00	0.00	20,696.50
611206 · Communications fees	15,295.25	0.00	0.00	0.00	15,295.25
611207 · Photocopy & Printing	3,290.50	0.00	0.00	0.00	3,290.50
611208 · Ads. Charges	7,325.00	0.00	0.00	0.00	7,325.00
611209 · Translation fees	1,664.00	0.00	0.00	0.00	1,664.00
611210 · Bank Charges	35.00	0.00	0.00	0.00	35.00
611211 · Meeting/ Workshop/ Seminar	34,307.67	0.00	0.00	0.00	34,307.67
611213 · General Meeting	6,189.55	0.00	0.00	0.00	6,189.55
611214 · Annual Road Tax Fees	0.00	0.00	0.00	13,684.34	13,684.34
611215 · Contractual Staff fee-PMU-MAFF	73,250.00	0.00	0.00	0.00	73,250.00
611216 · Contractual Staff fee-PPIU-TAK	11,100.00	0.00	0.00	0.00	11,100.00
611217 · Contractual Staff fee-PPIU-KPT	11,100.00	0.00	0.00	0.00	11,100.00
611218 · Contractual Staff fee-PPIU-KCM	11,100.00	0.00	0.00	0.00	11,100.00
611219 · Contractual Staff fee-PPIU-TBK	11,100.00	0.00	0.00	0.00	11,100.00
Total 61120 · Office Operations & Support	832,144.55	0.00	0.00	13,684.34	845,828.89
Total 6110 · Incremental Operating Cost	960,071.23	0.00	0.00	375,204.34	1,335,275.57
Total 61 · Investment Costs	9,110,948.55	0.00	1,406,911.54	375,204.34	10,893,064.43
63 · Financial Charges During Impltn					
630000 · Interest Charges During Impletn	192,074.52	1,864.31	0.00	0.00	193,938.83
Total 63 · Financial Charges During Impltn	192,074.52	1,864.31	0.00	0.00	193,938.83
Total 6 · Expense/ Project Expenditures	9,303,023.07	1,864.31	1,406,911.54	375,204.34	11,087,003.26

EA: PMU-MAFF

3. Statement of Source and Use of Fund

Cumulative since Effectiveness Date

Report for the Quarter Ending:

31/Dec/2022

	L-3661	L-8346	G-0579	RGC	TOTAL
1. Received					
Received from ADB L3661	2,444,905.64		-		2,444,905.64
Received from ADB L8346	-		-		-
Received from ADB G0579	-		1,567,560.13		1,567,560.13
Received from RGC Contribution	-		-	473,512.34	473,512.34
Received from ADB L3661-Direct Payment	7,788,697.59		-		7,788,697.59
Received from ADB L8346-Direct Payment	-	1,864.31	-		1,864.31
Received from ADB G0579-Direct Payment	-		-		-
					-
Total Received	10,233,603.23	1,864.31	1,567,560.13	473,512.34	12,276,540.01

2. Uses of Fund					
1. Civil Work	1,890,832.91	-	-	-	1,890,832.91
2. Equipment	913,650.00	-	-	-	913,650.00
3. Vehicles	-	-	-	-	0.00
4. Materails & Supplies	-	-	-	-	-
5. Studies & Surveys	-	-	-	-	-
6. Training, Workshop & Demonstration	-	-	1,406,911.54	-	1,406,911.54
7. Policies & Standards	-	-	-	-	-
8. Monitoring & Evaluation	-	-	-	-	-
9. Consulting Services	5,346,394.41	-	-	-	5,346,394.41
10. Incremental Operating costs	960,071.23	-	-	375,204.34	1,335,275.57
Interest Charges During Implementation	192,074.52	1,864.31	-	-	193,938.83
Total Uses of Fund	9,303,023.07	1,864.31	1,406,911.54	375,204.34	11,087,003.26

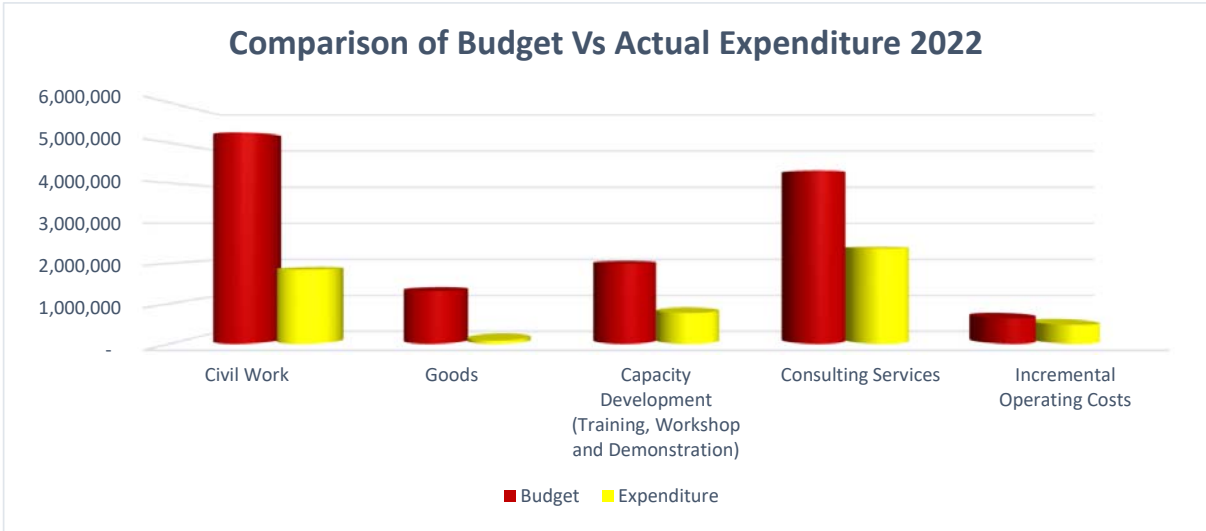
3. Closing Cash Balance					
CASH IN BANK	889,855.16	-	3,738.51	98,308.00	991,901.67
PETTY CASH FUND	725.00	-	-	-	725.00
Total Closing Cash Balance	890,580.16	-	3,738.51	98,308.00	992,626.67

4. Financing Plan vs Uses of Fund

Financiers	Financing Plan	Expenditures	Expenditure Rate %	Disbursement	Disbursement Rate %
L-3661		9,303,023.07		10,233,603.23	
L-8346		1,864.31		1,864.31	
G-0579		1,406,911.54		1,567,560.13	
RGC		375,204.34		473,512.34	
TOTAL	57,149,457	11,087,003	19.4%	12,276,540	21.5%

EA: PMU-MAFF

4. Statement of Comparison of Budget and Actual Expenditure				
For the Quarter Ending:				31/Dec/2022
Decription	Period from 01 January 2022 to 31 December 2022			Budget Vs Actual Expenditures (%)
	Budget US\$	Actual US\$	Diff. US\$	
Civil Work	5,257,540	1,843,937	(3,413,603)	35.1%
Goods	1,308,630	82,368	(1,226,262)	6.3%
Capacity Development (Training, Workshop and Demonstration)	2,003,050	771,856	(1,231,194)	38.5%
Consulting Services	4,313,880	2,374,251	(1,939,629)	55.0%
Incremental Operating Costs	635,200	468,200	(167,000)	73.7%
Interest Charges During Implementation	-	102,179	102,179	
TOTAL	13,518,300	5,642,790	(7,875,510)	41.7%



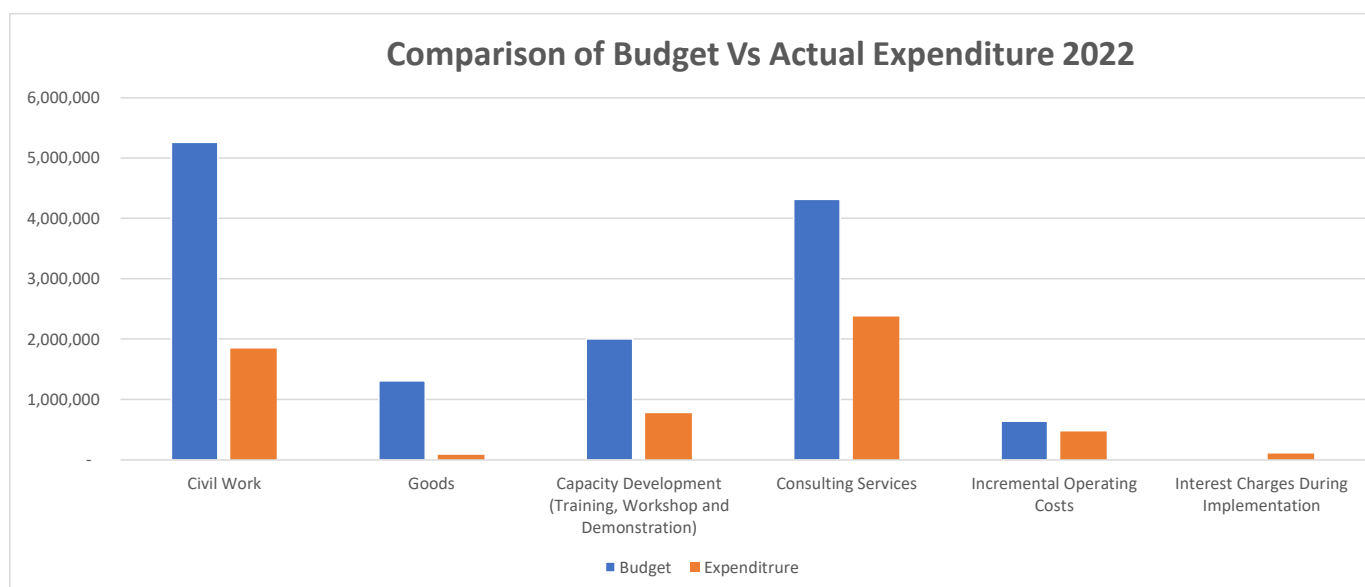
EA: PMU-MAFF

Statement of budget vs actual expense: For the Quarter Ending: 31/Dec/22

Description	Period from 1 Jan 2022 to 31 Dec 2022			31-Dec-21			Cumulative as at 31/Dec/22		
	Budget	Actual	Diff	Budget	Actual	Diff	Budget	Actual	Diff
	US\$	US\$	US\$	US\$	US\$	US\$	US\$	US\$	US\$
Investment									
Civil Work	5,257,540	1,843,937	(3,413,603)	11,950,674	46,896	(11,903,777)	17,208,214	1,890,833	(15,317,381)
Goods	1,308,630	82,368	(1,226,262)	2,501,500	831,282	(1,670,218)	3,810,130	913,650	(2,896,480)
Capacity Development (Training, Workshop and Demonstration)	2,003,050	771,856	(1,231,194)	3,144,435	635,056	(2,509,379)	5,147,485	1,406,912	(3,740,573)
Consulting Services	4,313,880	2,374,251	(1,939,629)	8,102,143	2,972,144	(5,129,999)	12,416,023	5,346,394	(7,069,628)
Incremental Operating Costs	635,200	468,200	(167,000)	1,330,916	867,076	(463,840)	1,966,116	1,335,276	(630,840)
Interest Charges During Implementation	-	102,179	102,179	-	91,760	91,760	-	193,939	193,939
	13,518,300	5,642,790	(7,875,510)	27,029,667	5,444,213	(21,585,454)	40,547,967	11,087,003	(29,460,964)

Reconciled: Correct

0



CFAVC-Climate-Friendly Agribusiness Value Chains Sector Project
ADB Loan Numbers: L 3661-CAM (COL), L8346-CAM(EF), Grant No. 0579-CAM(EF)

EA: PMU-MOWRAM

Quarterly Financial Report for the quarter ending: 31/Dec/2022

Content:

- 1. Statement of Expenditure by category**
- 2. Statement of Expenditures by Accounts**
- 3. Statement of Uses of Fund**
- 4. Statement of Comparison of Budget and Expenditure**

EA: PMU-MOWRAM

1. Statement of Expenditure by Category for the Quarter Ending:

31/Dec/2022

Quarterly Report in USD

Category	Budget Allocation	Committed	Actual Previous Exp.2021	Actual Expenditures			Balance	Expenditures Rate %
				Current	Year to date	Cummulative to date		
				3 Q' 2022	5	6=3+5		
	1	2	3	4	5	6=3+5	7=1-2-6	8 = 6/1
A. Investment Costs								
1. Civil Work	43,428,454	14,689,610	685,283	275,368	1,545,419	2,230,702	26,508,143	5.14%
2. Equipment						-	-	-
3. Vehicles						-	-	-
4. Materails & Supplies						-	-	-
5. Studies & Surveys						-	-	-
6. Training, Workshop & Demonstration	305,764		56,111	22,456	79,275	135,386	170,377	44.3%
7. Policies & Standards			-			-	-	-
8. Monitoring & Evaluation			-			-	-	-
9. Consulting Services			-			-	-	-
10. Incremental Operating Costs	501,589		171,539	21,578	115,791	287,330	214,259	57.3%
Total Investment Costs (A)	44,235,807	14,689,610	912,933	319,402	1,740,485	2,653,418	26,892,779	6.00%
B. Contingencies								
1. Physical	-			-	-	-	-	-
2. Price	-			-	-	-	-	-
Total Contingencies (B)	-	-	-	-	-	-	-	-
C. Financial Charges During Implementation								
1. Interest Charges During Implementation						-	-	-
Total Financial Charges During Implementation ©	-	-	-	-	-	-	-	-
GRAND TOTAL (A)+(B)+©	44,235,807	14,689,610	912,933	319,402	1,740,485	2,653,418	26,892,779	6.00%

EA: PMU-MOWRAM

3. Statement of Uses of Fund

Cummulative since Effectiveness Date

Report for the Quarter Ending: **31/Dec/2022**

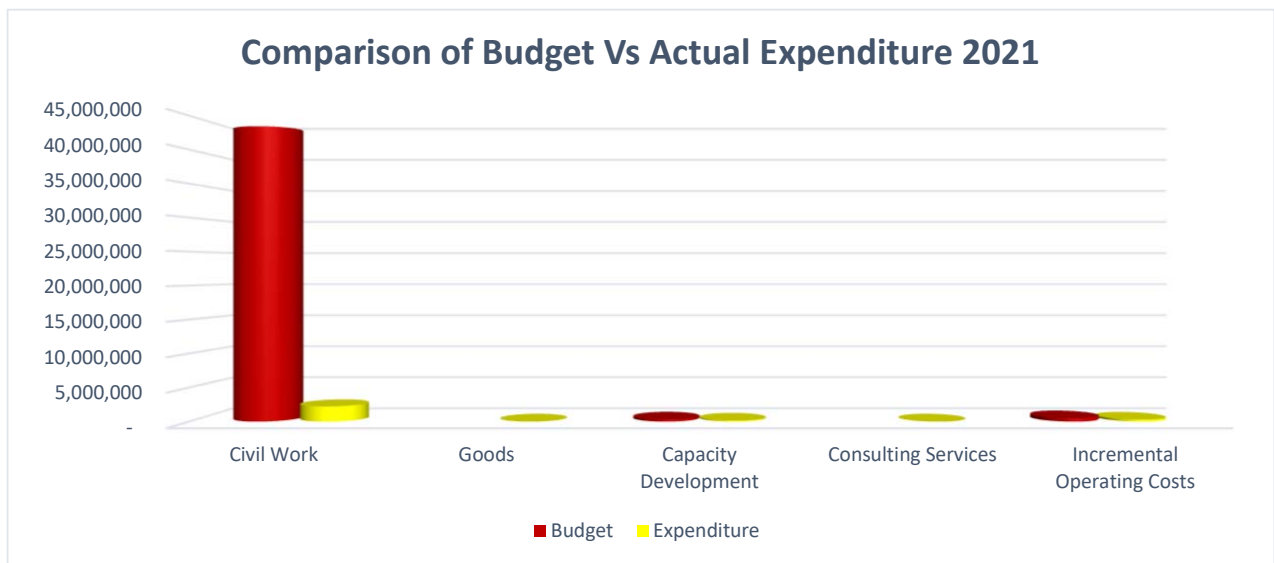
	L-3661	L-8346	G-0579	RGC	TOTAL
I. Received					
Received from ADB L3661	2,015,913				2,015,913
Received from ADB L8346		590,684			590,684
Received from ADB G0579			624,844		624,844
Received from RGC Contribution				188,015	188,015
Received from ADB L3661-Direct Payment					0
Received from ADB L8346-Direct Payment					0
Received from ADB G0579-Direct Payment					0
					0
Total Received	2,015,913	590,684	624,844	188,015	3,419,456

2. Uses of Fund					
1. Civil Work	1,713,179	283,299	234,224		2,230,702
2. Equipment	-				-
3. Vehicles	-				-
4. Materails & Supplies	-				-
5. Studies & Surveys	-				-
6. Training, Workshop & Demonstration	-		135,386		135,386
7. Policies & Standards	-				-
8. Monitoring & Evaluation	-				-
9. Consulting Services	-				-
10. Incremental Operating costs	101,770			185,565	287,335
Interest Charges During Implementation	-	-	-	-	-
Total Uses of Fund	1,814,949	283,299	369,610	185,565	2,653,423

3. Closing Cash Balance					
CASH IN BANK	394,156	374,166	249,669	28,735	1,046,725
PETTY CASH - PMU	323				
PETTY CASH - Provinces	26,000	-	-	-	26,000
Total Closing Cash Balance	420,478	374,166	249,669	28,735	1,073,048

EA: PMU-MOWRAM

4. Statement of Comparison of Budget and Actual Expenditure				
For the Quarter Ending:				31/Dec/2022
Decription	Period from 01 Jul 2020 to 31 March 2022			Budget Vs Actual Expenditure
	Budget US\$	Actual US\$	Diff. US\$	%
Civil Work	43,428,454	2,230,702	41,197,753	5.14%
Goods		-	-	-
Capacity Development	305,764	135,386	170,377	44.28%
Consulting Services		-	-	-
Incremental Operating Costs	501,589	287,335	214,254	57.28%
	44,235,807	2,653,423	41,582,384	6.00%



CFAVC-Climate-Friendly Agribusiness Value Chains Sector Project

ADB Loan Numbers: L 3661-CAM (COL), L8346-CAM(EF), Grant No. 0579-CAM(EF)

EA/IA: PMU-MRD

Quarterly Financial Report for the quarter ending: 31/Dec/2022

Content:

- 1. Statement of Expenditure by category**
- 2. Statement of Expenditures by Accounts**
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- 4. Statement of Comparison of Budget and Expenditure**

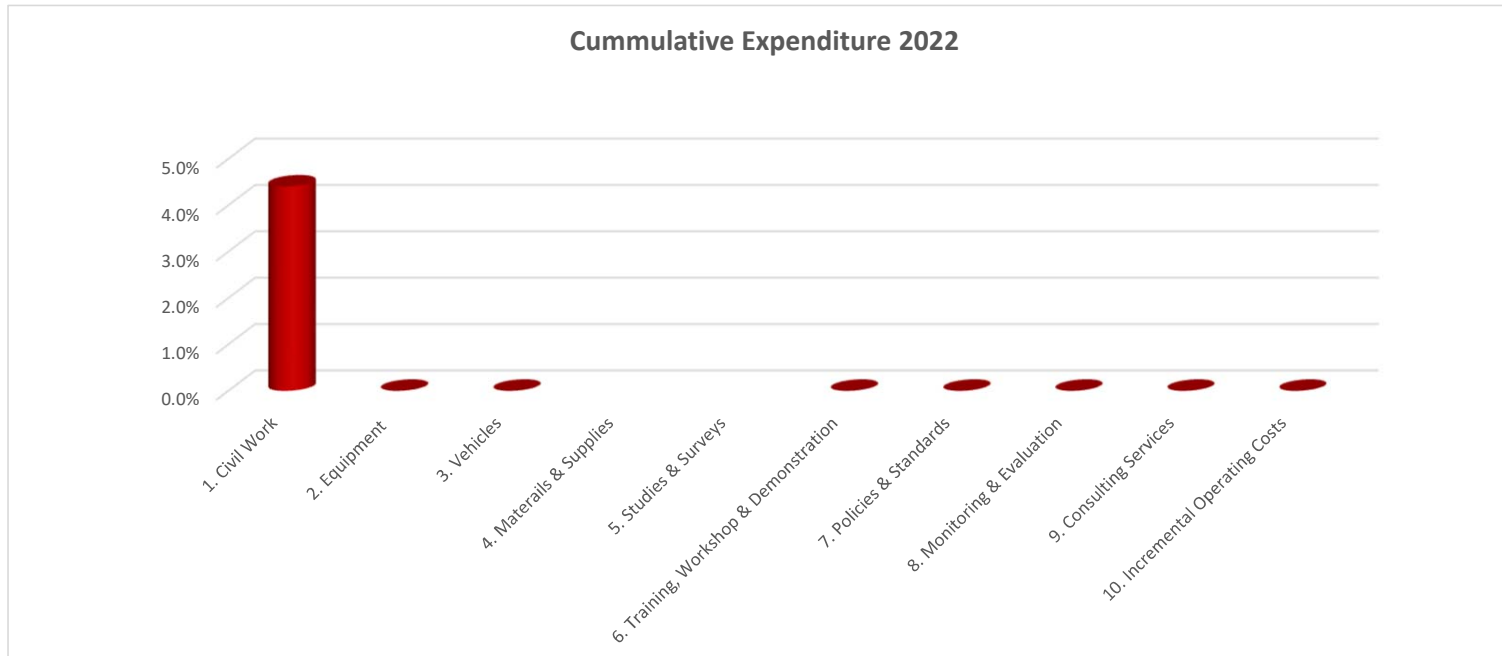
EA/IA: PMU-MRD

I. Statement of Expenditure by Category for the Quarter Ending:

31/Dec/2022

(Quarterly Report in USD)

Category	Budget (Allocation)	Committed	Actual Previous Exp.	Actual Expenditures			Balance	Expenditures Rate %
	US\$			US\$	US\$	Current		
	(1)	(2)	(3)	4Q' 20222	4Q' 20222	4Q' 20222	(7)=(1)-(2)-(6)	(8) = (6)/(1)
A. Investment Costs								
1. Civil Work	37,349,607	-	1,143,019	501,807	1,644,826	1,644,826.00	35,704,781	4.4%
2. Equipment	-			-	-	-	-	-
3. Vehicles	-			-	-	-	-	-
4. Materails & Supplies	-			-	-	-	-	-
5. Studies & Surveys	-			-	-	-	-	-
6. Training, Workshop & Demonstration	-			-	-	-	-	-
7. Policies & Standards	-			-	-	-	-	-
8. Monitoring & Evaluation	-			-	-	-	-	-
9. Consulting Services	-			-	-	-	-	-
10. Incremental Operating Costs	-		230,380	17,786	48,354	248,165.44	(248,165)	-
Total Investment Costs (A)	37,349,607	-	1,373,399	519,593	1,693,180	1,892,991	35,456,616	5.1%
B. Contingencies								
1. Physical	-			-	-	-	-	-
2. Price	-			-	-	-	-	-
Total Contingencies (B)	-	-	-	-	-	-	-	
C. Financial Charges During Implementation								
1. Interest Charges During Implementation						-	-	
Total Financial Charges During Implementation ©	-	-	-	-	-	-	-	
GRAND TOTAL (A)+(B)+©	37,349,607	-	1,373,399	519,593	1,693,180	1,892,991	35,456,616	5.1%



EA/IA: PMU-MRD

2. Statement of Expenditure by Accounts

Report for the Quarter Ending:

31/Dec/2022

Cummulative Since Effectiveness Date

Expense	ADB-L3661	L-8346	G-0579	RGC	TOTAL
6 · Expense/ Project Expenditures					
61 · Investment Costs					
6102 · Equipment					
610220 · Office Equipment	-		-	-	0.00
Total 6102 · Equipment	-		-	-	0.00
6103 · Vehicles					
610300 · Vehicles – 4 Wheels Drive	-		-	-	0.00
610310 · Motorcycles	-		-	-	0.00
Total 6103 · Vehicles	-		-	-	0.00
6106 · Training, Workshops & Demos					
610600 · Training, Workshops & Demonstra	-		-	-	0.00
Total 6106 · Training, Workshops & Demos	-		-	-	0.00
6109 · Consulting Services					
610900 · PIC - FS & Detailed Engineering	-		-	-	0.00
610910 · PIC - Capacity Building and CSA	-		-	-	0.00
610920 · PIC - Project Management	-		-	-	0.00
Total 6109 · Consulting Services	-		-	-	0.00
6110 · Incremental Operating Cost					
61100 · Project Staff					
611001 · Project Staff-PMU	-		-	1,620.00	1,620.00
611002 · Project Staff-GDA	-		-	-	0.00
611003 · Project Staff-GDAH	-		-	-	0.00
611004 · Project Staff-CARDI	-		-	-	0.00
611005 · Project Staff-PDRD-KPT	-		-	600.00	600.00
611006 · Project Staff-PDRD-TAK	-		-	600.00	600.00
611007 · Project Staff-PDRD-KCM	-		-	300.00	300.00
611008 · Project Staff-PDRD-TBK	-		-	600.00	600.00
Total 61100 · Project Staff	-		-	3,720.00	3,720.00
61120 · Office Operations & Support					
611200 · Vehicle Fuel	1,137.70		-	-	1,137.70
611201 · Vehicle maintenance	-		-	-	0.00
611202 · Vehicle rental	-		-	-	0.00
611203 · Per Diem & Travel costs	6,919.20		-	-	6,919.20
611204 · Office & Reproduction Supplies	4,921.00		-	-	4,921.00
611205 · Office maintenance & Utilities	-		-	-	0.00
611206 · Communications fees	-		-	-	0.00
611207 · Photocopy & Printing	1,087.67		-	-	1,087.67
611208 · Ads. Charges	-		-	-	0.00
611209 · Translation fees	-		-	-	0.00
611210 · Bank Charges	-		-	-	0.00
611211 · Meeting/ Workshop/ Seminar	-		-	-	0.00
611213 · General Meeting	-		-	-	0.00
611214 · Annual Road Tax Fees	-		-	-	0.00
611215 · Contractual Staff fee-PMU-MAFF	-		-	-	0.00
611216 · Contractual Staff fee-PPIU-TAK	-		-	-	0.00
611217 · Contractual Staff fee-PPIU-KPT	-		-	-	0.00
611218 · Contractual Staff fee-PPIU-KCM	-		-	-	0.00
611219 · Contractual Staff fee-PPIU-TBK	-		-	-	0.00
Total 61120 · Office Operations & Support	14,065.57		0.00	0.00	14,065.57
Total 6110 · Incremental Operating Cost	14,065.57		0.00	3,720.00	17,785.57
Total 61 · Investment Costs	14,065.57		0.00	3,720.00	17,785.57
Total 6 · Expense/ Project Expenditures	14,065.57		0.00	3,720.00	17,785.57

EA/IA: PMU-MRD

3. Statement of Uses of Fund

Cummulative since Effectiveness Date

Report for the Quarter Ending: **31/Dec/2022**

	L-3661	L-8346	G-0579	RGC	TOTAL
1. Received					
Received from ADB L3661	100,000.00				100,000.00
Received from ADB L8346					-
Received from ADB G0579			-		0.00
Received from RGC Contribution				51,370.00	51,370.00
Received from ADB L3661-Direct Payment	0.00				0.00
Received from ADB L8346-Direct Payment					-
Received from ADB G0579-Direct Payment					-
					-
Total Received	100,000.00	-	-	51,370.00	151,370.00

2. Uses of Fund					
1. Civil Work	1,263,225.94	208,892.81	172,706.67		1,644,825.42
2. Equipment	-				0.00
3. Vehicles	-				0.00
4. Materails & Supplies	-				-
5. Studies & Surveys	-				-
6. Training, Workshop & Demonstration	-		-		-
7. Policies & Standards	-				-
8. Monitoring & Evaluation	-				-
9. Consulting Services	-				-
10. Incremental Operating costs	114,796.90			57,120.00	171,916.90
Interest Charges During Implementation	-	-	-	-	-
Total Uses of Fund	1,378,022.84	208,892.81	172,706.67	57,120.00	1,816,742.32

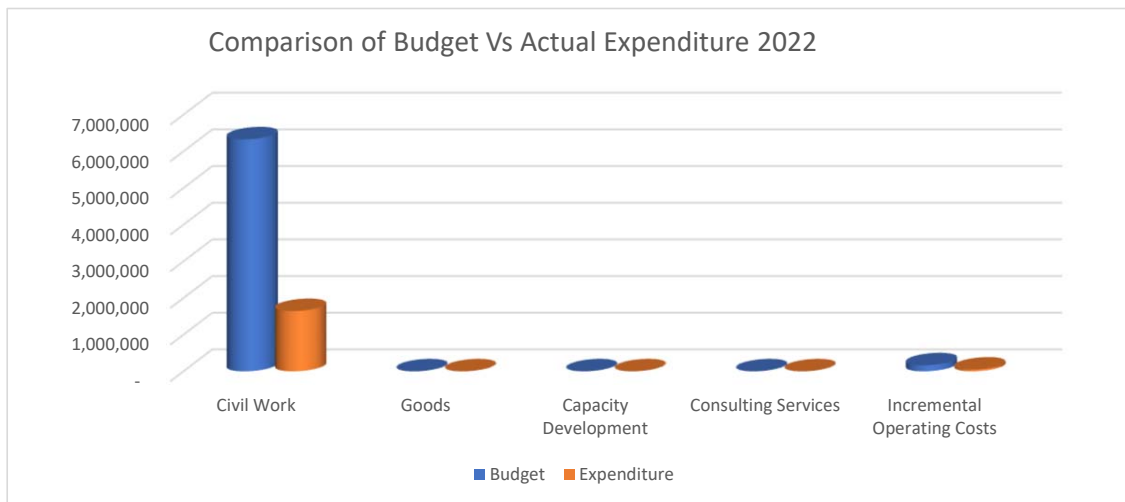
3. Closing Cash Balance					
CASH IN BANK	51,361.86	-	-	8,410.00	59,771.86
PETTY CASH FUND	4,152.60	-	-	-	4,152.60
Total Closing Cash Balance	55,514.46	-	-	8,410.00	63,924.46

4. Financing Plan vs Uses of Fund

Financiers	Financing Plan	Expenditures	Expenditure Rate %	Disbursement	Disbursement Rate %
L-3661	6,470,497	1,378,022.84		100,000.00	
L-8346		208,892.81		-	
G-0579		172,706.67		-	
RGC	23,436	57,120.00		51,370.00	
TOTAL	37,349,607	1,816,742	4.9%	151,370	0.4%

EA/IA: PMU-MRD

4. Statement of Comparison of Budget and Actual Expenditure				
For the Quarter Ending:				31/Dec/2022
Decription	Period from 01 July 2022 to 30 September 2022			Budget Vs Actual Expenditure
	Budget US\$	Actual US\$	Diff. US\$	(%)
Civil Work	6,328,273	1,644,826	4,683,447	26%
Goods	-	-	-	-
Capacity Development	-	-	-	-
Consulting Services	-	-	-	-
Incremental Operating Costs	165,660	48,354	117,306	29%
	6,493,933	1,693,180	4,800,753	26%





ANNEX 13: Consultants Input October - December 2022

ADB Loan No. 3661-CAM (COL)/8346-CAM (EF)
Grant No. 0579-CAM (EF)

CS1 - 001 SER: Project Implementations Consulting

FOURTH QUARTERLY PROGRESS REPORT 2022
OCTOBER - DECEMBER

Prepared by

Annex 13: Consultants Input October - December 2022

Annex 13.1 Consultant inputs CS 01

No:	Name	Position	Firm		Time Input in Person/M onth-	Oct-22	Nov-22	Dec-22	Total Utilized input up to Dec-22	Balance Available
1) INTERNATIONAL - KEY EXPERTS										
K-1	Ir. Willem J Van Diest	Project Managemnt & Rural Infrastructure Specialist/Team Leader	AESAs	F	14.40	0.18	0.27		8.56	5.84
				H	3.60			0.09	2.67	0.93
K-2	Ms. Marivic Competente	Procurement Specialist	AESAs	F	4.17				2.24	1.93
				H	1.83				2.22	(0.39)
K-3	Mr. Peter Deppak Aravinda Josh	Social Development and Gender Specialist	AESAs	F	5.60	0.18	0.14		5.60	-
				H	0.40				0.39	0.01
K-4	Mr. Monzurul Hoq	Social Safeguards Specialist	AESAs	F	7.30				0.68	6.62
				H	0.70		0.45	0.14	4.35	(3.65)
K-5	Mr. Felix Pascua	Environment and Climate Change Specialist	AESAs	F	7.30				-	7.30
				H	0.70				3.19	(2.49)
Total - International Key Expert					46.00	0.36	0.86	0.23	29.90	16.10
2) INTERNATIONAL - NONE KEY EXPERTS										
N-1	Mr. Praful Soni	PADC Operation and Management Specialist	AESAs	F	2.00				0	2.00
				H					0	0
N-2	Mr. Paterno Borlagdan	Mechanised Workshop Operation and Management Specialist	AESAs	F	5.84				5.2	0.64
				H	0.16				0.17	-0.01
K-12	Ruud Corsel	Monitoring & Evaluation Specialist	AESAs	F	2.00				1.03	0.97
Total - International None Key Expert					10.00	0.00	0.00	0.00	6.4	3.60
3) NATIONAL - KEY EXPERT										
K-6	Mr. Sopha Sovanareth	Project Managemnt & Rural Infrastructure Specialist/Deputy Team Leader (MAFF)	SBK		30.00	0.18			29.77	0.23
K-7	Mr. Srey Heang	Project Managemnt & Rural Infrastructure Specialist/Deputy Team Leader (MOWRAM)	SBK		30.00				30.00	0.00
K-8	Mr. Phai Sokheng	Project Managemnt & Rural Infrastructure Specialist/Deputy Team Leader (MRD)	SBK		30.00				16.82	13.18
K-9	Mrs. Kol Prapey	Social Development and Gender Specialist	SBK		50.00	0.68	1.00	0.55	35.45	14.55
K-10	Mr. Oum Sith	Social Safeguards Specialist	SBK		60.00	0.77	0.68	0.86	37.31	22.69
K-11	Mr. Mao Vanchann	Environment and Climate Change Specialist	SBK		50.00	0.73	0.64	0.91	33.96	16.04
Total - National Key Expert					250.00	2.36	2.32	2.32	183.31	66.69
4) NATIONAL - NONE KEY EXPERT										
N-3	Mr. Chan Sinet	Procurement Specialist MAFF	SBK		18.00				17.98	0.02
N-4	Mr. Leng Bunmara	Procurement Specialist MOWRAM	SBK		18.00				18.00	0.00
N-5	Ms. Korn Sokhim	Procurement Specialist MRD	SBK		18.00	0.64	0.59	0.59	6.37	11.63
N-6	Mr. CHHUON Mao	Financial Management Specialist PMU-MAFF	SBK		38.00	1.00	1.00	1.00	37.18	0.82
N-7	Mr. Koam Rattana	Financial Management Specialist MAFF	SBK		38.00	1.00	1.00	1.00	37.55	0.45
N-8	Ms. Chea Socheata	Financial Management Specialist MOWRAM	SBK		38.00	0.89	0.89	0.89	28.42	9.58
N-9	Nev Chanboti	Financial Management Specialist MRD	SBK		38.00	0.73	0.68	0.73	21.68	16.32
N-10	Kheang Sovann	Water Managemen & Irrigation Engineer Kampong Cham	SBK		28.50				0.00	28.50
N-11	Mr. Heng Sokkong	Water Managemen & Irrigation Engineer Takeo	SBK		28.50	1.00	1.00	1.00	26.82	1.68
N-12	Mr. Soth Chhongheng	Water Managemen & Irrigation Engineer Kampot	SBK		28.50	1.00	0.45		28.45	0.05
N-13	Mr. Din Sovathara	Water Managemen & Irrigation Engineer Tboung Khmum	SBK		28.50				0.00	28.50
N-14	Mr. Chheng Sen	Cooperative Storage & Rural Roads Engineer Kampong Cham	SBK		34.00	1.00	1.00	1.00	26.68	7.32
N-17	Mr. Khiev Sopha	Cooperative Storage & Rural Roads Engineer Takeo	SBK		34.00				0.00	34.00
N-16	Mr. Bo Sarin	Cooperative Storage & Rural Roads Engineer Kampot	SBK		34.00				0.00	34.00
N-15	Chou Vy	Cooperative Storage & Rural Roads Engineer Tboung Khmum	SBK		34.00	1.00	1.00	1.00	30.00	4.00
K-13	Prum Vothana	Monitoring & Evaluation Specialist	SBK		12.00				11.57	0.43
Total - NONE Key Expert- National Expert					468.00	8.26	7.61	7.21	290.70	177.28
TOTAL AL Experts					774.00	10.98	10.79	9.76	510.31	263.67

Annex 13.2 Consultant inputs CS 02

	Name	Position (As in Tech 6)	Time Input in Person/Month	Oct-22	Nov-22	Dec-22	Total Utilized input up to Dec-22	Remaining
KEY EXPERTS -INTERNATIONAL								
K-1	Mr. Pollard Martin Blackeley	International Policy & Standards/ TL	7.00	-	0.04	-	6.68	0.32
K-2	Dr. Sreekanta Sheel	International Seed Commercialization and Intellectual Property Specialist	5.00	-	-	-	0.68	4.32
K-3	Mr. Matt Zimmerman	International GAP, CSA and SRP Training Specialist	9.00	0.18	-	-	5.23	3.77
K-4	Mr. Prabhakar Kasalanati	International Cooperative Agribusiness Training Specialist	6.00	-	-	-	0.00	6.00
K-5	Dr. Jason Hui Hong Yapp	International Green Financing Specialist	10.00	0.13	0.22	-	2.86	7.14
NON KEY EXPERTS - INTERNATIONAL								
NK-1	Mr. Syed Ishtiaque Ahmed	Photo-voltaic Specialist	4.00	-	-	-	0.14	3.86
NK-2	Md. Abdul Gofran	Bio-slurry Specialist	4.00	-	-	-	2.06	1.94
NK-3	Mr. Christopher Kellner	Biodigester Standards Specialist	3.00	-	-	-	3.13	-0.13
Total - International Experts			48.00	0.31	0.26	0.00	20.77	27.23
KEY EXPERTS- NATIONAL								
K-6	Mr. Chin Koeun/ Mr. Hoeung Hun	National Policy and Standards Advisor/ Deputy Team Leader	36.00	-	-	-	30.18	5.82
K-7	Mr. Pech Saloeun/ Mr. Phuong Dara	National Bioslurry Specialist/Acting Deputy Team Leader	34.00	1.00	1.00	1.00	32.00	2.00
K-8	Mr. Pon Han	National Training and Capacity Building Specialist	60.00	-	-	-	22.04	37.96
K-9	Mr. Teng Theara/ Mr. Heng Sophat	National Farmer Demonstration Specialist	60.00	1.00	1.00	1.00	35.00	25.00
K-10	Mr. Dy Kunthea/ Mr. Chea Kosal	National Public Private Partnership Specialist	30.00	1.00	0.32	-	30.00	0.00
Total - Key Expert - National Expert			220.00	3.00	2.32	2.00	149.22	70.78
NON KEY EXPERTS- NATIONAL								
NK-4	Mr. KOET Munyphakdey	Photo-voltaic Specialist	12.00	-	-	-	4.54	7.46
NK-5	Mr. Sok Seyla/ Mr. Long Sona	Green Financing Specialist	36.00	1.00	1.00	1.00	8.10	27.90
NK-6	Mr. Pong Samnang	GAP for Tropical Fruit Specialist	19.00	0.48	0.34	-	3.24	15.76
NK-7	Mr. Soeur Sophorn	FWUC Training Specialist	37.00	1.00	1.00	1.00	25.00	12.00
NK-8	Mr. Srey BunDoeun/ Mr. Rous Phoura	Agricultural Machinery O&M Training Specialist	54.00	-	-	-	0.00	54.00
NK-9	Mr. Roem Siranet	Laboratory Commercialization Specialist	3.00	-	-	-	0.81	2.19
NK-10	No Data	ISO 17025 Accreditation Compliance Specialist	7.00				0.00	7.00
NK-11	Mr. Mak Chan Ratana	Bio-fertilizer & Organic Fertilizer Testing Specialist	4.00	-	0.14	-	3.89	0.11
NK-12	Mr. Ouch Srey Nech	Tissue Culture Development Specialist	3.00	-	0.27	0.14	2.92	0.08
NK-13	Dr. Huon Thavreak	GMO & Phytotoxic Analysis Specialist	3.00	-	-	-	0.14	2.86
NK-14	Mr. Vong Sophorn	National Laboratory Coordinator	46.00	1.00	1.00	1.00	21.77	24.23
Total - National			224.00	3.48	3.75	3.14	70.41	153.59
TOTAL EPERTS			492.00	6.79	6.33	5.14	240.40	251.60

Annex 13.3 Consultant inputs CS 05

No:	Name	Position (As in Tech 6)	Nationality	Firm	Total Input include VO	Oct-22	Nov-22	Dec-22	Total Utilized input up to December-22	REMAINING MM
International Expert										
1	Mr.Dinesh Kumar Shrestha	Irrigation Design Engineer And Team (Deputy) Leader	Nepalese	RDC	20.00	0.18	0.23	0.18	17.66	2.34
2	Dr. Martin Mautner Markhof	Agriculture Economist	Austrian	RDC	7.00	0.06	0.14	0.09	5.80	1.20
3	Mr. K D W Nandalal	Hydrologist	Sri Lankan	RDC	2.00				0.73	1.27
4	Mr. Tissa Ariyaratne	Social Safeguard Specialist	Sri Lankan	RDC	2.00				0.92	1.08
5	Ms. Anusha Kasige	Environmental Specialist	Sri Lankan	RDC	2.00			0.68	1.36	0.64
Total - Experts International					33.00	0.24	0.37	0.95	26.47	6.53
Irrigation National Experts										
1	Mr. UCH Chanvuthy	Irrigation Design Engineer/DTL	Cambodian	CAM-CSTR	16.00	1.00	1.00	1.00	13.00	3.00
2	Mr. KLEY Kimsot	Agriculture Economic	Cambodian	CAM-CSTR	9.55	0.41	0.59	0.27	8.68	0.87
3	Ms. SAO Sambathmorakath	Envirf Safeguards Spec	Cambodian	CAM-CSTR	17.21	0.50	0.27	0.36	14.39	2.82
4	Mr.Oeung Chantha/Mr.Monichoth So Im	Hydrologist	Cambodian	CAM-CSTR	4.00	0.59			3.78	0.22
5	Ms. DIN Chakriya/Nhoem Sunday	AutoCAD Specialist - 3	Cambodian	CAM-CSTR	25.00	1.00	0.77	1.00	22.77	2.23
6	Mr.Tean Meas	AutoCAD Specialist -7	Cambodian	CAM-CSTR	25.00	1.00	0.77	1.00	22.77	2.23
7	Mr. Lorn Sokly/Phuon Brorsoeur	AutoCAD Specialist -8	Cambodian	CAM-CSTR	19.00	0.68	0.36	0.23	19.00	0.00
8	Mr. Heng Leang Chhay	AutoCAD/GIS Specialist	Cambodian	CAM-CSTR	14.00	0.68	0.82	0.55	12.05	1.95
9	Mr. KONG Naosundaya	Irrigation Design Engineer 1	Cambodian	CAM-CSTR	8.00				8.00	0.00
	Mr. KONG Naosundaya (New Rate)	Irrigation Design Engineer 2			18.00	1.00	1.00	1.00	16.00	2.00
10	Mr.Ou Sokhavong	Irrigation Streture Design Engineer	Cambodian	CAM-CSTR	12.00	1.00	1.00	0.68	11.50	0.50
11	Ms. Khieu Bunroeb	Social Development and Gender Safeguard Specilaist	Cambodian	CAM-CSTR	6.00	0.45	0.36	0.27	5.58	0.42
12	Mr. Leng Bunnara	Procurement Specialist	Cambodian	CAM-CSTR	4.00			0.23	2.04	1.96
13	Mr. Eng Veng	Social Safeguards Specialist and resettlement	Cambodian	CAM-CSTR	8.00	0.32	0.73	0.5	7.82	0.18
14	Mr. Chan Narith	Social Safeguards Specialist and resettlement	Cambodian	CAM-CSTR	10.00		0.86	0.68	8.44	1.56
Total - Experts National Irrigation					195.76	8.63	8.53	7.77	175.82	19.94
Farm Road National Experts										
1	Mr. KHIN Toda	IE/DTL	Cambodian	CAM-CSTR	38.86	0.77	0.86	1.00	34.49	4.37
2	Mr. VIN Sa/Mr.Sam Sothearo	Road Design Engineer	Cambodian	CAM-CSTR	30.73	0.82	0.85	0.95	28.12	2.61
3	Mr. Chhoun Sovannara	AutoCAD Specialist - 1	Cambodian	CAM-CSTR	32.00	0.59	0.59	1.00	29.18	2.82
4	Mr.Im Daro	AutoCAD Specialist	Cambodian	CAM-CSTR	21.86				19.27	2.59
5	Mr.Samoeun Keo	AutoCAD Specialist	Cambodian	CAM-CSTR	27.55	0.82	0.86	1.00	25.23	2.32
6	Mr. HEM Motha/Lom Odom	Asst.Road Design Engineer	Cambodian	CAM-CSTR	17.22	0.23	0.55	0.27	16.27	0.95
7	Mr. Sean Sitha	Asst.Environment Safeguards	Cambodian	CAM-CSTR	2.60				2.60	0.00
	Mr. Sean Sitha(New Rate)	Environment Safeguards			11.00	0.64	0.82	0.41	9.68	1.32
8	Mr. SEAM Hak	Social Development and Gender Safeguard Specilaist	Cambodian	CAM-CSTR	5.00				3.68	1.32
9	Mr. Bun San	Social Safeguards	Cambodian	CAM-CSTR	3.37				3.37	0.00
	MS. Chet Bopha Ponlok	Social Safeguards			14.00		0.77	0.95	10.58	3.42
10	Mr. SUY Poline	Procurement Specialist	Cambodian	CAM-CSTR	6.00	0.36	0.09		3.50	2.50
11	Mr. CHHUN Bunmeng	Socio Economic Specialist	Cambodian	CAM-CSTR	4.00				2.67	1.33
12	Mr.Yet Savuth	Social Safeguards and Resettlement	Cambodian	CAM-CSTR	15.00	0.59	0.68	0.82	11.50	3.50
Total - Experts National Farm Road					229.19	4.82	6.07	6.40	200.14	29.05
Joint Experts										
1	Mr. Phouv Narin	Social Safeguards Specialist	Cambodian	CAM-CSTR	8.50				8.50	0.00
2	Mr. Mao Phearun	AutoCAD Specialist-2	Cambodian	CAM-CSTR	12.27				12.27	0.00
3	Mr. Keiv Sengsoksammang	AutoCAD Specialist-4	Cambodian	CAM-CSTR	-				0.00	0.00
4	Ms. Hep Srey Leak	Social Development and Gender Safeguard Spe	Cambodian	CAM-CSTR	-				0.00	0.00
5	Mr. Roeun Sophanna	Procurement Specialist	Cambodian	CAM-CSTR	2.82				2.82	0.00
6	Mr. Hy Sopheap	Agriculture	Cambodian	CAM-CSTR	5.19				5.19	0.00
7	Mr. Chhit Kimhor	Hydrologist	Cambodian	CAM-CSTR	3.13				3.13	0.00
Subtotal					31.91	-	-	-	0.00	31.91
Total					489.86	13.69	14.97	15.12	402.43	87.43



ANNEX 14: Compliance with Covenants October - December 2022

ADB Loan No. 3661-CAM (COL)/8346-CAM (EF)
Grant No. 0579-CAM (EF)

CS1 - 001 SER: Project Implementations Consulting

FOURTH QUARTERLY PROGRESS REPORT 2022
OCTOBER - DECEMBER

Prepared by

Annex 14: Compliance with Covenants October - December 2022

No	Covenant	Loan Agreement Reference				Compliance Status (31.12.2022)	Remarks/Issues
		Product	Schedule	ParaNo.	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

Climate-Friendly Agribusiness Value Chains Sector Project (CFAVC)
Fourth Quarterly Progress Report 2022: October - December

No	Covenant	Loan Agreement Reference				Compliance Status (31.12.2022)	Remarks/Issues
		Product	Schedule	ParaNo.	Description		
3		Loan 8346	Schedule 4	4	3. ADB's obligation to disburse any amount from the Loan Account shall be subject to ADB's receipt of a corresponding amount from GCF in accordance with the terms of the AMA and the FAA.	Comply	Agreed.
4		Loan 8346	Schedule 4	4	2(c) The Borrower shall enable ADB, upon ADB's request to discuss the financial statements for the Project and the Borrower's financial affairs where they relate to the Project with the auditors appointed pursuant to subsection (a), (iii) herein above, and shall authorize and require any representative of such auditors to participate in any such discussions requested by ADB. This is provided that such discussions shall be conducted only in the presence of an authorized officer of the Borrower, unless the Borrower shall otherwise agree.	Being 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	Being Complied with	Being complied. Separate accounts established. 3 rd annual audited project financial statement reports for FY2021 submitted in June 2022.

Climate-Friendly Agribusiness Value Chains Sector Project (CFAVC)
 Fourth Quarterly Progress Report 2022: October - December

No	Covenant	Loan Agreement Reference				Compliance Status (31.12.2022)	Remarks/Issues
		Product	Schedule	ParaNo.	Description		
					time to time reasonably request.		
7		Loan 8346	Schedule 4	5	5(c) Without limiting the generality of the foregoing, the Borrower shall furnish to ADB periodic reports on the execution of the Project, on the accomplishment of the targets and actions agreed between ADB and the Borrower, and on the operation and management of the Project facilities. Such reports shall be submitted in such form and in such detail and within such a period as ADB shall reasonably request, and shall indicate, among other things, progress made and problems encountered during the period under review, steps taken or proposed to be taken to remedy these problems, and proposed program of activities and expected Progress during the following period.	Being complied with	Progress reports have been submitted every quarter
8		Loan 8346	Schedule 4	5	9. Contractors and Consultants. In the carrying out of the Project, the Borrower shall cause competent and qualified consultants and contractors, acceptable to the Borrower and ADB, to be employed to an extent and upon terms and conditions satisfactory to the Borrower and ADB.	Being Complied	Some CS2 non key experts still not mobilized.
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.

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No	Covenant	Loan Agreement Reference				Compliance Status (31.12.2022)	Remarks/Issues
		Product	Schedule	ParaNo.	Description		
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
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.

Climate-Friendly Agribusiness Value Chains Sector Project (CFAVC)
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No	Covenant	Loan Agreement Reference				Compliance Status (31.12.2022)	Remarks/Issues
		Product	Schedule	ParaNo.	Description		
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	
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 2022 approved by MEF on 13 April 2022. 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,	Being Complied	To be complied.

Climate-Friendly Agribusiness Value Chains Sector Project (CFAVC)
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No	Covenant	Loan Agreement Reference				Compliance Status (31.12.2022)	Remarks/Issues
		Product	Schedule	ParaNo.	Description		
					land, and other resources are available for purposes related to the Project.		
21		Loan 8346	Schedule 4	5	5(d) Promptly after completion of the Project, but in any event not later than three months thereafter or such later date as may be agreed for this purpose between the Borrower and ADB, the Borrower shall prepare and furnish to ADB a report, in such form and in such detail as ADB shall reasonably request, on the execution and initial operation of the Project, including its cost, the performance by the Borrower of its obligations under this Loan Agreement and the accomplishment of the purposes of the Loan.	To be complied	To be complied.
22		Loan 8346	Schedule 4	5	4. Records, Financial Statements and Audits. The Borrower shall maintain, or cause to be maintained, records and financial statements adequate to identify the goods, services and other items of expenditure financed under the Project; to record the progress of the Project (including the cost thereof and); to reflect, in accordance with consistently maintained sound financial reporting principles, the operations and financial condition of the Project; and to have the financial statements audited. Related requirements shall be specified in the Loan Agreement.	Being Complied	Third Financial Audit for the year 2021 was conducted in February'2022. Report has been submitted to ADB in June 2022.
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.

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No	Covenant	Loan Agreement Reference				Compliance Status (31.12.2022)	Remarks/Issues
		Product	Schedule	ParaNo.	Description		
25		Grant 0579	Schedule 2	4	In addition to the audit requirement under Section 4.02 of this Grant Agreement, the Recipient acknowledges and agrees that ADB has the right to conduct financial audits of the Project, by an external auditor selected by ADB, if GCF has a concern as to the manner in which the Grant proceeds have been used; and shall fully cooperate with such audit. The Recipient shall bear the reasonable cost of such audit, if the audit finds that the Grant proceeds have not been used according to this Grant Agreement.	Being Complied	Agreed.
26	Sector	Grant 0579	Sched 2	6	The Recipient shall ensure that the activities related to the Project are implemented in compliance with the laws of the Recipient and other laws applicable to it, including but not limited to intellectual property law, if and to the extent any such laws maybe applicable to it.	Being complied	
27	Financial	Grant 0579	Schedule 4	1	In the carrying out of the Project and operation of the Project facilities, the Recipient shall perform, or cause to be performed, all obligations set forth in Schedule 2 to this Grant Agreement and Schedule 5 to the Ordinary Operations [Concessional] Loan Agreement.	Being Complied	
28		Grant 0579	Schedule 4	2	(b) ADB shall disclose the annual audited financial statements for the Project and the opinion of the auditors on the financial statements within 14 days of the date of ADB's confirmation of their acceptability by posting them on ADB's website.	To be complied with	Third Financial Audit for the year 2021 was conducted in February'2022. Report has been submitted to ADB in June 2022.
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	Being Complied	Being complied. Separate accounts established. 3 rd annual audited project financial statement reports for FY2021 submitted in June 2022.

Climate-Friendly Agribusiness Value Chains Sector Project (CFAVC)
Fourth Quarterly Progress Report 2022: October - December

No	Covenant	Loan Agreement Reference				Compliance Status (31.12.2022)	Remarks/Issues
		Product	Schedule	ParaNo.	Description		
					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		
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	Third Financial Audit for the year 2021 was conducted in February'2022. Report has been submitted to ADB in June 2022.
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
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	being complied	

Climate-Friendly Agribusiness Value Chains Sector Project (CFAVC)
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No	Covenant	Loan Agreement Reference				Compliance Status (31.12.2022)	Remarks/Issues
		Product	Schedule	ParaNo.	Description		
					that no Subproject categorized as Category A under the SPS is financed under the Project.		
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.
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.

Climate-Friendly Agribusiness Value Chains Sector Project (CFAVC)
Fourth Quarterly Progress Report 2022: October - December

No	Covenant	Loan Agreement Reference				Compliance Status (31.12.2022)	Remarks/Issues
		Product	Schedule	ParaNo.	Description		
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; Make available a budget for all such environmental and social measures; Provide the Borrower with a written notice of any unanticipated environmental, resettlement or indigenous peoples risks or impacts that arise during construction, implementation or operation of the Project that were not considered in the IEEs, the EMPs, the RPs and the IPPs; Adequately record the condition of roads, agricultural land and other infrastructure prior to starting to transport materials and construction; and Fully reinstate pathways, other local infrastructure, and agricultural land to at least their pre-project condition upon the completion of construction.	Being Complied	First invitation for bids for civil works have been issued in April 2020.

Climate-Friendly Agribusiness Value Chains Sector Project (CFAVC)
Fourth Quarterly Progress Report 2022: October - December

No	Covenant	Loan Agreement Reference				Compliance Status (31.12.2022)	Remarks/Issues
		Product	Schedule	ParaNo.	Description		
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 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.	Being Complied	
42	Safeguards	Loan 3661	Schedule 5	11	The Borrower shall strictly monitor compliance with the requirements set forth in this paragraph and provide ADB with regular reports.	Being Complied	Being complied.

Climate-Friendly Agribusiness Value Chains Sector Project (CFAVC)
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No	Covenant	Loan Agreement Reference				Compliance Status (31.12.2022)	Remarks/Issues
		Product	Schedule	ParaNo.	Description		
		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	
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	

Climate-Friendly Agribusiness Value Chains Sector Project (CFAVC)
Fourth Quarterly Progress Report 2022: October - December

No	Covenant	Loan Agreement Reference				Compliance Status (31.12.2022)	Remarks/Issues
		Product	Schedule	ParaNo.	Description		
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							
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	



ANNEX 15: Financial Management Plan October - December 2022

ADB Loan No. 3661-CAM (COL)/8346-CAM (EF)
Grant No. 0579-CAM (EF)

CS1 - 001 SER: Project Implementations Consulting

FOURTH QUARTERLY PROGRESS REPORT 2022
OCTOBER - DECEMBER

Prepared by

Annex 15: Financial Management Plan October - December 2022

Weakness	Mitigation Action	Responsibility	Timeframe	Status per Dec 31 2022
<ul style="list-style-type: none"> • Coordination among PMU ofMAFF as EA and IAs: PDAFF, PDWRAM, PDRD, and others 	<ul style="list-style-type: none"> • Clear roles and responsibilities are detailed in PAM. • EA and IAs are well informed abouttheir roles and responsibilities by ADB and PIC. 	EA/PMU/MEF	One month after Loan Negotiation.	Done
<ul style="list-style-type: none"> • Limited capacity of the projectstaff at the PMU/PPIU on budget execution, accounting, reporting and auditing. 	<ul style="list-style-type: none"> • Four national Financial Management Specialists will be recruited to provide financial management support to the PMU.In collaboration with CARM, they will train accountants of EA/IA on budget execution, accounting, reporting, and auditing. • Training on project management, financial management, SOP and project fund flows shall be providedto the project staff in EA and IAs. • Training on ADB disbursement procedures, including online training, will be made available to EA and IA staff; and project staff willbe encouraged to undertake the training to help ensure efficient disbursement and fiduciary control. 	MAFF/PMU/ PIC	Starting 3 months from project effectiveness and will be a continuing activity to ensure staff are updated of the latest good practice.	Done <ul style="list-style-type: none"> • Ongoing twice per year, refresher training • Ongoing twice per year, refresher training. Plan to conduct in Sep & Dec'2022
<ul style="list-style-type: none"> • Safeguard of vehicles, motorcycles, equipment for workshops, laboratory, and solar power 	<ul style="list-style-type: none"> • Inventory List must be set up withaccountability. • A sound inventory management isrequired via trainings for IAs. 	PMU/PIC	3 months from the mobilization of the PIC.	Done Done
<ul style="list-style-type: none"> • Most proposed IAs/PPIUs donot have accounting system to record financial transactions and prepare the required financial reports. 	<ul style="list-style-type: none"> • The accounting system shall be setup and training will be provided for the project accountants at PPIUs/IAs 	PMU/PIC	3 months from the mobilization of the PIC.	Done

Climate-Friendly Agribusiness Value Chains Sector Project (CFAVC)
Fourth Quarterly Progress Report 2022: October – December

Weakness	Mitigation Action	Responsibility	Timeframe	Status per Dec 31 2022
<ul style="list-style-type: none"> Limited capacity in internal audit. Quality of both internal and external audit reports remains a concern. 	<ul style="list-style-type: none"> MEF will ensure that each IA will include qualified accountants and auditors, and ensure that the project is subject to internal audit to ensure that the Internal Audit Unit of each IA carries out regular reviews of the internal control processes. Regular training on audit will be provided. 	MEF/ADB	By end of Year 1.	<ul style="list-style-type: none"> MEF recruits external auditor on annual basis MEF conducts Audit training to the project staffs on Annual basis
<ul style="list-style-type: none"> Delays and incomplete submission of the unaudited annual project financial statements 	<ul style="list-style-type: none"> EA and IAs staff will be trained in preparing and submitting quality reports of annual project financial statements on a timely basis. MEF to update the TOR for auditors and explore potential participation of supreme audit institution to further improve quality. 	MEF/ADB	By the 9th month from the project effectiveness.	<ul style="list-style-type: none"> MEF or ADB conducts ad hoc trainings on specific topic for project financial staff Annually, Done MEF does update annually

ADB=Asian Development Bank; EA = executing agency; IA= implementing agency; MAFF = Ministry of Agriculture, Forestry and Fisheries; MEF = Ministry of Economy and Finance; MOWRAM = Ministry of Water Resources and Meteorology; PIC = project implementation consultants; PDAFF = Provincial Department of Agriculture, Forestry and Fisheries; PDWRAM = Provincial Department of Water Resources and Meteorology; PDRD = Provincial Department of Rural Development; PMU= project management unit; PPIU = provincial project management implementation unit; TOR = terms of reference.



ANNEX 16: Annual Work Plan 2023 October - December 2022

ADB Loan No. 3661-CAM (COL)/8346-CAM (EF)
Grant No. 0579-CAM (EF)

CS1 - 001 SER: Project Implementations Consulting

FOURTH QUARTERLY PROGRESS REPORT 2022
OCTOBER - DECEMBER

Prepared by

CFAVC-Climate-Friendly Agribusiness Value Chains Sector Project
Annual Budget 2023 (USD)
 ALL EA and IAs

Executing Agency	Cost ('000USD)				
	Q1	Q2	Q3	Q4	Total
EXECUTING AGENCY					
MAFF	3,740.31	7,570.00	6,741.14	5,642.97	23,694.42
MOWRAM	126.54	978.43	2,739.44	5,870.59	9,715.00
MRD	1,776.88	2,094.61	2,461.29	2,989.87	9,322.65
TOTAL	5,643.72	10,643.05	11,941.87	14,503.43	42,732.07
SOURCE OF FUNDS					
	Q1	Q2	Q3	Q4	Total
ADB	3,425.21	6,377.90	7,648.32	9,868.11	27,319.54
GCF Loan	227.70	362.46	549.90	1,023.56	2,163.61
GCF Grant	1,795.96	3,540.29	3,414.71	3,333.67	12,084.63
RGC	116.63	204.11	187.98	160.09	668.81
Beneficiaries	78.22	158.30	140.97	118.00	495.49
TOTAL	5,643.72	10,643.05	11,941.87	14,503.43	42,732.07

CFAVC-Climate-Friendly Agribusiness Value Chains Sector Project
Annual Budget 2023 (USD)
 ALL EA and IAs

Executing Agency	Cost ('000USD)				
	Q1	Q2	Q3	Q4	Total
EXECUTING AGENCY					
55.45 MAFF	3,740.31	7,570.00	6,741.14	5,642.97	23,694.42
22.73 MOWRAM	126.54	978.43	2,739.44	5,870.59	9,715.00
21.82 MRD	1,776.88	2,094.61	2,461.29	2,989.87	9,322.65
100.00 TOTAL	5,643.72	10,643.05	11,941.87	14,503.43	42,732.07
SOURCE OF FUNDS					
	Q1	Q2	Q3	Q4	Total
63.932 ADB	3,425.21	6,377.90	7,648.32	9,868.11	27,319.54
5.063 GCF Loan	227.70	362.46	549.90	1,023.56	2,163.61
28.280 GCF Grant	1,795.96	3,540.29	3,414.71	3,333.67	12,084.63
1.565 RGC	116.63	204.11	187.98	160.09	668.81
1.160 Beneficiaries	78.22	158.30	140.97	118.00	495.49
100.00 TOTAL	5,643.72	10,643.05	11,941.87	14,503.43	42,732.07

CFAC-Crisis-Ready Agriculture Value Chains Sector Project (CFAC)
Annual Report 2022 (in USD, thousands unless stated)
MAY

2024-2424

Budget Code	Proj. Code	Use Item	Unit Cost (in USD, except where noted)	Quantity					Cost (USD\$)					Financial Rule					Cost by source of fund (USD\$)					Output	Expenditure Category	A										
				Q1	Q2	Q3	Q4	Total	Q1	Q2	Q3	Q4	Total	ADB	GF Loan	GF Grant	Govt	Beneficiaries	ADB	GF Loan	GF Grant	Govt	Beneficiaries													
INVESTMENT COSTS (in USD\$)																																				
OUTPUT 1: (project # 1) Critical agriculture value chain infrastructure improved and made climate-resilient																																				
Activity 1.1: Rehabilitation water management infrastructure to ensure resilient condition / operation / maintenance of agricultural infrastructure																																				
1.1.1 Only irrigation system demonstration and strengthening capacity of drip operation for mango farmers																																				
GD	03	1.1.1.1	Drip system construction (only for mango farmers)	system	7.00	0	2	2	0	0	21	14	0	36	100.0%	0.0%	0.0%	0.0%	0.0%	35.00	-	-	-	-	-	35.00	-	-	-	-	-	WATER_RESOURCES	MATERIALS-ADB	MOVRAM	MAY	
GD	03	1.1.1.2	Water resource assessment (only for mango farmers)	unit/ system	2.50	0	3	2	0	0	11	7	0	18	100.0%	0.0%	0.0%	0.0%	0.0%	17.50	-	-	-	-	-	17.50	-	-	-	-	-	WATER_RESOURCES	MATERIALS-ADB	MOVRAM	MAY	
GD	03	1.1.1.3	Solar pump installation and connection (only for mango farmers)	unit/ system	9.00	0	3	2	0	0	27	18	0	45	100.0%	0.0%	0.0%	0.0%	0.0%	45.00	-	-	-	-	-	45.00	-	-	-	-	-	WATER_RESOURCES	MATERIALS-ADB	MOVRAM	MAY	
GD	03	1.1.1.4	Agriculture inputs for drip irrigation system (only for mango farmers)	system	3.50	0	3	2	0	0	11	7	0	18	100.0%	0.0%	0.0%	0.0%	0.0%	17.50	-	-	-	-	-	17.50	-	-	-	-	-	WATER_RESOURCES	MATERIALS-ADB	MOVRAM	MAY	
GD	03	1.1.1.5	Training for drip irrigation system operation for mango farmers (only for mango farmers)	Training	1.50	0	3	3	3	9	5	5	5	14	100.0%	0.0%	0.0%	0.0%	0.0%	13.50	-	-	-	-	-	13.50	-	-	-	-	-	WATER_RESOURCES	MATERIALS-ADB	MOVRAM	MAY	
GD	03	1.1.1.6	Training of farmers on Drip Irrigation System Operation and Maintenance (only for mango farmers)	Training	1.50	-	8.0	8.0	8.0	24.0	0	12	12	12	36	100.0%	0.0%	0.0%	0.0%	0.0%	36.00	-	-	-	-	-	36.00	-	-	-	-	-	WATER_RESOURCES	MATERIALS-ADB	MOVRAM	MAY
GD	03	1.1.1.7	Framer field day (only for mango farmers)	field day/tr	1.00	0	1	1	1	3	2	2	2	6	100.0%	0.0%	0.0%	0.0%	0.0%	4.50	-	-	-	-	-	4.50	-	-	-	-	-	WATER_RESOURCES	MATERIALS-ADB	MOVRAM	MAY	
Subtotal (in USD\$)																																				
Activity 1.2: Upgrade agricultural cooperative value chain infrastructure (drip, processing and storage facilities) / operation / maintenance of agricultural infrastructure																																				
1.2.1 Construction of AC's value chain infrastructure and solar panel																																				
CW	CW3	1.2.1.1	Construction of Agricultural Cooperative Storage 5 Units at Kampong Province carried over from 2021 (only for agricultural cooperatives)	Unit	36.80	-	1.0	-	-	1.0	36.80	-	-	36.80	100.0%	0.0%	0.0%	0.0%	0.0%	36.80	-	-	-	-	-	36.80	-	-	-	-	-	COOPERATIVES	WAREHOUSES	MAY	TL	
CW	CW3	1.2.1.2	Construction of Agricultural Cooperative Storage 5 Units at Takeo Province carried over from 2021 (only for agricultural cooperatives)	Unit	35.47	-	1.0	-	-	1.0	35.47	-	-	35.47	100.0%	0.0%	0.0%	0.0%	0.0%	35.47	-	-	-	-	-	35.47	-	-	-	-	-	COOPERATIVES	WAREHOUSES	MAY	TL	
CW	CW3	1.2.1.3	Construction of Agricultural Cooperative Storage 5 Units at Kampong Cham Province carried over from 2021 (only for agricultural cooperatives)	Unit	41.59	-	1.0	-	-	1.0	41.59	-	-	41.59	100.0%	0.0%	0.0%	0.0%	0.0%	41.59	-	-	-	-	-	41.59	-	-	-	-	-	COOPERATIVES	WAREHOUSES	MAY	TL	
CW	CW3	1.2.1.4	Construction of Agricultural Cooperative Storage 5 Units at Thung Khmum Province carried over from 2021 (only for agricultural cooperatives)	Unit	46.12	-	1.0	-	-	1.0	46.12	-	-	46.12	100.0%	0.0%	0.0%	0.0%	0.0%	46.12	-	-	-	-	-	46.12	-	-	-	-	-	COOPERATIVES	WAREHOUSES	MAY	TL	
Subtotal (in USD\$)																																				
1.2.2 Solar system study for agricultural to reduce energy cost																																				
CW	CW3	1.2.1.5	Construction of Agricultural Cooperative Storage Units including Cooperative store manager, Basic infrastructure for cooperative and infrastructure design, 21 units in 2022, package 1 Lot 1 (Kampong Chhn, 4 Units) (only for agricultural cooperatives)	Unit	759.47	-	0.5	0.4	-	0.9	399.74	-	-	399.74	100.0%	0.0%	0.0%	0.0%	0.0%	719.52	-	-	-	-	-	719.52	-	-	-	-	-	COOPERATIVES	WAREHOUSES	MAY	MAY	
CW	CW3	1.2.1.6	Construction of Agricultural Cooperative Storage Units including Cooperative store manager, Basic infrastructure for cooperative and infrastructure design, 31 units in 2022, package 1 Lot 2 (Takeo, 13 Units) (only for agricultural cooperatives)	Unit	1,297.47	-	0.5	0.4	-	0.9	648.74	-	-	648.74	100.0%	0.0%	0.0%	0.0%	0.0%	1,167.72	-	-	-	-	-	1,167.72	-	-	-	-	-	COOPERATIVES	WAREHOUSES	MAY	MAY	
CW	CW3	1.2.1.7	Construction of Agricultural Cooperative Storage Units including Cooperative store manager, Basic infrastructure for cooperative and infrastructure design, 14 units in 2022, package 1 Lot 1 (Kampong Cham, 4 Units) (only for agricultural cooperatives)	Unit	435.55	-	0.5	0.4	0.9	-	217.88	174.14	-	391.82	100.0%	0.0%	0.0%	0.0%	0.0%	391.82	-	-	-	-	-	391.82	-	-	-	-	-	COOPERATIVES	WAREHOUSES	MAY	MAY	
CW	CW3	1.2.1.8	Construction of Agricultural Cooperative Storage Units including Cooperative store manager, Basic infrastructure for cooperative and infrastructure design, 14 units in 2022, package 1 Lot 2 (Thung Khmum, 10 Units) (only for agricultural cooperatives)	Unit	1,438.21	-	0.5	0.4	0.9	-	719.10	574.48	-	1,293.58	100.0%	0.0%	0.0%	0.0%	0.0%	1,293.58	-	-	-	-	-	1,293.58	-	-	-	-	-	COOPERATIVES	WAREHOUSES	MAY	MAY	
CW	CW3	1.2.1.9	Construction of Agricultural Cooperative Storage Units including Cooperative store manager, Basic infrastructure for cooperative and infrastructure design, 31 units in 2022, package 1 Lot 1 (Kampong Chhn, 13 Units) (only for agricultural cooperatives)	Unit	980.00	-	0.2	0.4	0.3	0.9	-	196.00	392.00	294.00	882.00	100.0%	0.0%	0.0%	0.0%	0.0%	882.00	-	-	-	-	-	882.00	-	-	-	-	-	COOPERATIVES	WAREHOUSES	MAY	MAY
CW	CW3	1.2.1.10	Construction of Agricultural Cooperative Storage Units including Cooperative store manager, Basic infrastructure for cooperative and infrastructure design, 31 units in 2022, Package 1 Lot 2 (Takeo, 13 Units) (only for agricultural cooperatives)	Unit	2,100.00	-	0.2	0.4	0.3	0.9	-	420.00	840.00	600.00	1,860.00	100.0%	0.0%	0.0%	0.0%	0.0%	1,860.00	-	-	-	-	-	1,860.00	-	-	-	-	-	COOPERATIVES	WAREHOUSES	MAY	MAY
CW	CW3	1.2.1.11	Construction of Agricultural Cooperative Storage Units including Cooperative store manager, Basic infrastructure for cooperative and infrastructure design, 31 units in 2022, Package 1 Lot 1 (Thung Khmum, 3 Units) (only for agricultural cooperatives)	Unit	780.00	-	0.2	0.4	0.3	0.9	-	156.00	312.00	294.00	762.00	100.0%	0.0%	0.0%	0.0%	0.0%	762.00	-	-	-	-	-	762.00	-	-	-	-	-	COOPERATIVES	WAREHOUSES	MAY	MAY
CW	CW3	1.2.1.12	Construction of Agricultural Cooperative Storage Units including Cooperative store manager, Basic infrastructure for cooperative and infrastructure design, 31 units in 2022, Package 1 Lot 1 (Kampong Cham, 4 Units) (only for agricultural cooperatives)	Unit	660.00	-	0.2	0.4	0.3	0.9	-	132.00	264.00	168.00	564.00	100.0%	0.0%	0.0%	0.0%	0.0%	564.00	-	-	-	-	-	564.00	-	-	-	-	-	COOPERATIVES	WAREHOUSES	MAY	MAY
Subtotal (in USD\$)																																				
1.2.3 Solar system study for agricultural to reduce energy cost																																				
PMO	PMO	1.2.2.1	Meeting with AC board members on the photovoltaic system for agricultural, a meeting (only for agricultural cooperatives)	Meeting	0.50	0	0	15.0	20.0	35.0	0.00	0.00	7.50	10.00	17.50	0.0%	0.0%	100.0%	0.0%	0.0%	-	-	-	-	-	17.50	-	-	-	-	-	COOPERATIVES	TRAINING	MAY	GDA	
PMO	PMO	1.2.2.2	Meeting with selected the potential agricultural to share interest and commitment, a meeting (only for agricultural cooperatives)	Meeting	0.50	-	-	2.0	3.0	5.0	0.00	0.00	1.00	1.50	2.50	0.0%	0.0%	100.0%	0.0%	0.0%	-	-	-	-	-	2.50	-	-	-	-	-	COOPERATIVES	TRAINING	MAY	GDA	
PMO	PMO	1.2.2.3	Meeting with business and financial specialist to design business model for 3 of the potential agricultural (only for agricultural cooperatives)	Meeting	0.50	-	-	2.0	3.0	5.0	0.00	0.00	1.00	1.50	2.50	0.0%	0.0%	100.0%	0.0%	0.0%	-	-	-	-	-	2.50	-	-	-	-	-	COOPERATIVES	TRAINING	MAY	GDA	
PMO	PMO	1.2.2.4	Meeting with agricultural to share the result (only for agricultural cooperatives)	Meeting	0.50	0	0	1.0	1.0	2.0	0.00	0.00	0.50	0.50	1.00	0.0%	0.0%	100.0%	0.0%	0.0%	-	-	-	-	-	1.00	-	-	-	-	-	COOPERATIVES	TRAINING	MAY	GDA	
PMO	PMO	1.2.2.5	Technical support with the selected solar photovoltaic company to install solar photovoltaic (only for agricultural cooperatives)	Meeting	0.50	0	0	2	2	4.0	0.00	0.00	1.00	1.50	2.50	0.0%	0.0%	100.0%	0.0%	0.0%	-	-	-	-	-	2.50	-	-	-	-	-	COOPERATIVES	TRAINING	MAY	GDA	
Subtotal (in USD\$)																																				
Cost of Activity 1.2: Upgrading AC value chain infrastructure																																				
Activity 1.4: Strengthening infrastructure for agricultural quality and safety setting at the National Agriculture Laboratory (NAL) / operation / maintenance of agricultural infrastructure																																				
1.4.1 Lab room renovation and Lab equipment																																				
GD	G1	1.4.1.1	Rapid Test Kit for GMQ and Phytochemical laboratory (materials, equipment and reagents) (only for agricultural cooperatives)	Lump sum	99.00	0	1	0	0	1.0	-	99.00	-	99.00	0.0%	0.0%	100.0%	0.0%	0.0%	-	-	-	-	-	99.00	-	-	-	-	-	TESTING_INFRASTRUCTURE	TRAINING	MAY	GDA		
GD	G1	1.4.1.2	GMQ/Phytochemical/2022 Renovation of Plant Tissue Laboratory, Biochemical and Botanical Testing Laboratory (NAL, under GDA) (only for agricultural cooperatives)	Lump sum	13.92	0.1	0	0	0	0.1	1.32	-	-	1.39	0.0%	0.0%	100.0%	0.0%	0.0%	-	-	-	-	-	1.39	-	-	-	-	-	TESTING_INFRASTRUCTURE	TRAINING	MAY	GDA		
GD	G1	1.4.1.3	GMQ/Phytochemical/2022 Construction of NAL House (of NAL under GDA) (only for agricultural cooperatives)	Lump sum	2.44	0.1	0	0	0	0.1	0.24	-	-	0.24	0.0%	0.0%	100.0%	0.0%	0.0%	-	-	-	-	-	0.24	-	-	-	-	-	TESTING_INFRASTRUCTURE	TRAINING	MAY	GDA		
GD	G1	1.4.1.4	GMQ/Phytochemical/2022 Renovation of NAL Laboratory (preparing value chain house equipment) (only for agricultural cooperatives)	Lump sum	99.79	0.1	0	0	0	0.1	9.979	-	-	9.98	0.0%	0.0%	100.0%	0.0%	0.0%	-	-	-	-	-	9.98	-	-	-	-	-	TESTING_INFRASTRUCTURE	TRAINING	MAY	GDA		
Subtotal (in USD\$)																																				
1.4.2 Technical training to NAL staff																																				
CD	CD	1.4.2.1	Technical training on Plant Tissue Culture for Cassava and Banana (only for agricultural cooperatives)	Training	1.20	-	3.0	-	-	3.0	-	-	3.00	0.0%	0.0%	100.0%	0.0%	0.0%	-	-	-	-	-	-	3.00	-	-	-	-	-	TESTING_INFRASTRUCTURE	TRAINING	MAY	GDA		
CD	CD	1.4.2.2	Technical training on Plant Tissue Culture for Citrus and Mango (only for agricultural cooperatives)	Training	1.20	-	-	1.0	-	1.0	-	-	1.20	0.0%	0.0%	100.0%	0.0%	0.0%	-	-	-	-	-	-	1.20	-	-	-	-	-	TESTING_INFRASTRUCTURE	TRAINING	MAY	GDA		
CD	CD	1.4.2.3	Technical training on Bio-herbicide Analysis Quality Training (only for agricultural cooperatives)	Training	1.20	-	2.0	1.0	-	3.0	-	-	2.40	1.20	3.60	0.0%	0.0%	100.0%	0.0%	0.0%	-	-	-	-	-	3.60	-	-	-	-	-	TESTING_INFRASTRUCTURE	TRAINING	MAY	GDA	
CD	CD	1.4.2.4	Technical training on Organic Fertilizer Quality Training (only for agricultural cooperatives)	Training	1.20	-	-	1.0	-	1.0	-	-	1.20	0.0%	0.0%	100.0%	0.0%	0.0%	-	-	-	-	-	-	1.20	-	-	-	-	-	TESTING_INFRASTRUCTURE	TRAINING	MAY	GDA		
CD	CD	1.4.2.5	Technical training on GMQ and Phytochemical Analysis (only for agricultural cooperatives)	Training	1.20	1.0	1.0	1.0	-	3.0	1.20	1.20	1.20	3.60	0.0%	0.0%	100.0%	0.0%	0.0%	-	-	-	-	-	3.60	-	-	-	-	-	TESTING_INFRASTRUCTURE	TRAINING	MAY	GDA		
CD	CD	1.4.2.6	Field Sampling for GMQ and Phytochemical Analysis in Takeo and Kampong Province (only for agricultural cooperatives)	Training	3.00	1.0	-	-	-	1.0	3.00	-	-	3.00	0.0%	0.0%	100.0%	0.0%	0.0%	-	-	-	-	-	3.00	-	-	-	-	-	TESTING_INFRASTRUCTURE	TRAINING	MAY	GDA		
CD	CD	1.4.2.7	Field Sampling for GMQ and Phytochemical Analysis in Kampong Cham and Thung Khmum Province (only for agricultural cooperatives)	Training	3.00	-	-	1.0	-	1.0	-	-	3.00	0.0%	0.0%	100.0%	0.0%	0.0%	-	-	-	-	-	-	3.00	-	-	-	-	-	CAPACITY_STRENGTHENING	TRAINING	MAY	GDA		
CD	CD	1.4.2.8</																																		

CFAC-Climat-Friendly Agriculture Value Chain Sector Project (តម្រូវការ/តម្រូវការ/តម្រូវការ/តម្រូវការ/តម្រូវការ)
Annex 14: (តម្រូវការ/តម្រូវការ/តម្រូវការ/តម្រូវការ/តម្រូវការ)

2024-2024

Budget Code	Fin. Code	Use Type	Unit Cost (USD)	Quantity	Cost (USD)					Financial Rule					Cost by source of fund (USD)					Output	Expenditure Category	A	MFF	GDA	MFF	GDA								
					Cost (USD)					Financial Rule					Cost by source of fund (USD)																			
					Q1	Q2	Q3	Q4	Total	ADB	DFI	DFI	DFI	DFI	DFI	DFI	DFI	DFI	DFI								DFI	DFI	DFI	DFI	DFI			
PK0	CD	3.2.2.9	Operating District business forum between producer group and buyers (rice, maize, corn and mango)	Forum (rice)	3.00	4.0	4.0	4.0	4.0	12.00	12.00	12.00	12.00	48.00	0.0%	0.0%	100.0%	0.0%	0.0%	-	-	-	-	-	-	48.00	GREEN_FINANCING	TRAINING	MAFF-GDA	MAFF	GDA			
PK0	CD	3.2.2.10	Discussion meeting on the principles of contract farming	Meeting (rice)	0.50	15.0	15.0	15.0	15.0	7.50	9.00	9.00	9.00	35.50	0.0%	0.0%	100.0%	0.0%	0.0%	-	-	-	-	-	-	35.50	GREEN_FINANCING	TRAINING	MAFF-GDA	MAFF	GDA			
PK0	CD	3.2.2.11	Legal farming contract signing ceremony at provincial level	Event (rice)	1.00	4.0	1.0	1.0	1.0	4.00	1.00	1.00	1.00	7.00	0.0%	0.0%	100.0%	0.0%	0.0%	-	-	-	-	-	-	7.00	GREEN_FINANCING	TRAINING	MAFF-GDA	MAFF	GDA			
PK0	CD	3.2.2.12	Direct demonstration forum for village crop production	Forum (rice)	1.00	4.0	4.0	4.0	16.0	4.00	4.00	4.00	16.00	0.0%	0.0%	100.0%	0.0%	0.0%	-	-	-	-	-	-	-	16.00	GREEN_FINANCING	TRAINING	MAFF-GDA	MAFF	GDA			
PK0	CD	3.2.2.13	Regional ASEAN study tour for rice growers	Visit (rice)	4.50	-	1.0	1.0	2.0	-	4.50	4.50	-	9.00	0.0%	0.0%	100.0%	0.0%	0.0%	-	-	-	-	-	-	-	9.00	GREEN_FINANCING	STUDIES	MAFF-GDA	MAFF	GDA		
PK0	CD	3.2.2.14	Business forum on specific crop (Rice, Maize, Cassava and Mango)	Forum (rice)	5.00	2.0	2.0	-	4.0	10.00	10.00	-	20.00	0.0%	0.0%	100.0%	0.0%	0.0%	-	-	-	-	-	-	-	20.00	GREEN_FINANCING	TRAINING	MAFF-GDA	MAFF	GDA			
PK0	CD	3.2.2.15	Business forum with input supplier, sellers, and others	Forum (rice)	5.00	-	-	2.0	2.0	4.0	-	-	10.00	10.00	20.00	0.0%	0.0%	100.0%	0.0%	0.0%	-	-	-	-	-	-	20.00	GREEN_FINANCING	TRAINING	MAFF-GDA	MAFF	GDA		
PK0	CD	3.2.2.16	Consult visit with AC of value Chain outside project target zone	Visit (rice)	8.00	1.0	1.0	-	2.0	8.00	8.00	-	17.00	0.0%	0.0%	100.0%	0.0%	0.0%	-	-	-	-	-	-	-	17.00	GREEN_FINANCING	TRAINING	MAFF-GDA	MAFF	GDA			
PK0	CD	3.2.2.17	AC case study development	Case study (rice)	2.00	1.0	1.0	1.0	4.0	2.00	2.00	2.00	2.00	8.00	0.0%	0.0%	100.0%	0.0%	0.0%	-	-	-	-	-	-	8.00	GREEN_FINANCING	TRAINING	MAFF-GDA	MAFF	GDA			
PK0	CD	3.2.2.18	AC Business cluster meeting	Lump sum (rice)	5.00	1.0	1.0	1.0	4.0	5.00	5.00	5.00	5.00	20.00	0.0%	0.0%	100.0%	0.0%	0.0%	-	-	-	-	-	-	20.00	GREEN_FINANCING	TRAINING	MAFF-GDA	MAFF	GDA			
PK0	CD	3.2.2.19	Organize National-level promote forum on agriculture trade/supplier	Forum (rice)	8.00	-	1.0	-	1.0	-	8.00	-	-	8.00	0.0%	0.0%	100.0%	0.0%	0.0%	-	-	-	-	-	-	8.00	GREEN_FINANCING	TRAINING	MAFF-GDA	MAFF	GDA			
PK0	CD	3.2.2.20	Develop case study on AC's good leadership and governance	Case study (rice)	2.50	-	-	4.0	4.0	6.0	-	-	10.00	10.00	20.00	0.0%	0.0%	100.0%	0.0%	0.0%	-	-	-	-	-	-	20.00	GREEN_FINANCING	TRAINING	MAFF-GDA	MAFF	GDA		
PK0	CD	3.2.2.21	Organize in-country exchange visit for provincial leaders and AC's leaders to expand experience in value chain management within an AC	Visit (rice)	8.00	-	-	1.0	1.0	-	-	-	8.00	8.00	0.0%	0.0%	100.0%	0.0%	0.0%	-	-	-	-	-	-	8.00	GREEN_FINANCING	TRAINING	MAFF-GDA	MAFF	GDA			
PK0	CD	3.2.2.22	Consultation workshop on a draft of MAF's proclamation/Phakas on Procedures for the Amalgamation of Agricultural Cooperatives (Article 82 of AC law)	Workshop (rice)	6.00	-	4.0	-	4.0	-	24.00	-	-	24.00	0.0%	0.0%	100.0%	0.0%	0.0%	-	-	-	-	-	-	24.00	GREEN_FINANCING	TRAINING	MAFF-GDA	MAFF	GDA			
PK0	CD	3.2.2.23	Technical meeting on a draft of MAF's proclamation/Phakas on Procedures for the Amalgamation of Agricultural Cooperatives (Article 82 of AC law)	Meeting (rice)	1.00	-	2.0	2.0	-	4.0	-	-	2.00	2.00	4.00	0.0%	0.0%	100.0%	0.0%	0.0%	-	-	-	-	-	4.00	GREEN_FINANCING	TRAINING	MAFF-GDA	MAFF	GDA			
PK0	CD	3.2.2.24	Develop a draft of MAF's proclamation/Phakas on Procedures for the Amalgamation of Agricultural Cooperatives (Article 82 of AC law)	Lump sum (rice)	6.00	-	1.0	-	1.0	-	-	-	6.00	6.00	0.0%	0.0%	100.0%	0.0%	0.0%	-	-	-	-	-	-	6.00	GREEN_FINANCING	TRAINING	MAFF-GDA	MAFF	GDA			
PK0	CD	3.2.2.25	Review workshop on a draft of MAF's proclamation/Phakas on Procedures for the Amalgamation of Agricultural Cooperatives (Article 82 of AC law)	Workshop (rice)	6.00	-	4.0	-	4.0	-	24.00	-	-	24.00	0.0%	0.0%	100.0%	0.0%	0.0%	-	-	-	-	-	-	24.00	GREEN_FINANCING	TRAINING	MAFF-GDA	MAFF	GDA			
PK0	CD	3.2.2.26	Consultation workshop on a draft of MAF's proclamation/Phakas on Procedures for the Amalgamation of Agricultural Cooperatives (Article 82 of AC law)	Workshop (rice)	6.00	-	4.0	-	4.0	-	24.00	-	-	24.00	0.0%	0.0%	100.0%	0.0%	0.0%	-	-	-	-	-	-	24.00	GREEN_FINANCING	TRAINING	MAFF-GDA	MAFF	GDA			
PK0	CD	3.2.2.27	Technical meeting on a draft of MAF's proclamation/Phakas on Procedures for the Amalgamation of Agricultural Cooperatives (Article 82 of AC law)	Meeting (rice)	1.00	-	2.0	2.0	-	4.0	-	-	2.00	2.00	4.00	0.0%	0.0%	100.0%	0.0%	0.0%	-	-	-	-	-	-	4.00	GREEN_FINANCING	TRAINING	MAFF-GDA	MAFF	GDA		
PK0	CD	3.2.2.28	Develop a draft of MAF's proclamation/Phakas on Procedures for the Amalgamation of Agricultural Cooperatives (Article 82 of AC law)	Lump sum (rice)	6.00	-	1.0	-	1.0	-	-	-	6.00	6.00	0.0%	0.0%	100.0%	0.0%	0.0%	-	-	-	-	-	-	6.00	GREEN_FINANCING	TRAINING	MAFF-GDA	MAFF	GDA			
PK0	CD	3.2.2.29	Review workshop on a draft of MAF's proclamation/Phakas on Procedures for the Amalgamation of Agricultural Cooperatives (Article 82 of AC law)	Workshop (rice)	6.00	-	4.0	-	4.0	-	24.00	-	-	24.00	0.0%	0.0%	100.0%	0.0%	0.0%	-	-	-	-	-	-	24.00	GREEN_FINANCING	TRAINING	MAFF-GDA	MAFF	GDA			
Subtotal (rice)						15.0	88.0	71.0	85.0	299.0	120.00	181.50	180.00	163.40	644.90																			
PK0	CD	3.2.3	Establish producer group for Rice, Cassava, Maize and Mango links with rice millers and buyers	Meeting (rice)	0.80	10.0	15.0	15.0	15.0	55.0	8.00	12.00	12.00	12.00	44.00	0.0%	0.0%	100.0%	0.0%	0.0%	-	-	-	-	-	-	44.00	GREEN_FINANCING	TRAINING	MAFF-GDA	MAFF	GDA		
PK0	CD	3.2.3.2	Meeting to develop internal regulations and production calendar plan	Meeting (rice)	0.50	10.0	15.0	15.0	15.0	55.0	5.00	7.50	7.50	7.50	27.50	0.0%	0.0%	100.0%	0.0%	0.0%	-	-	-	-	-	-	27.50	GREEN_FINANCING	TRAINING	MAFF-GDA	MAFF	GDA		
PK0	CD	3.2.3.3	Producer group meeting with input sellers, collectors and financial institutions	Meeting (rice)	0.80	10.0	15.0	15.0	15.0	55.0	8.00	12.00	12.00	12.00	44.00	0.0%	0.0%	100.0%	0.0%	0.0%	-	-	-	-	-	-	44.00	GREEN_FINANCING	TRAINING	MAFF-GDA	MAFF	GDA		
PK0	CD	3.2.3.4	Provide technical support and follow up the producer group establishment, warehouse operation, registration, and other technical support for Agricultural Cooperative	Follow-up (rice)	2.00	7.0	2.0	2.0	3.0	8.0	5.00	5.00	5.00	15.00	0.0%	0.0%	100.0%	0.0%	0.0%	-	-	-	-	-	-	-	15.00	GREEN_FINANCING	TRAINING	MAFF-GDA	MAFF	GDA		
Subtotal (PPP)						32.4	47.0	47.0	47.0	174.0	36.00	36.70	36.70	36.70	145.40																			
Total of activity 3.2 (Training, business and risk sharing mechanism)						108.4	224.0	132.0	142.0	573.0	216.00	308.20	317.70	317.70	1,065.30																			
Activity 3.3 Supporting climate risk management through information and communication technologies (ICT)																																		
GS	GT	3.3.1	ICT Infrastructure (ICT equipment)	Package	30.0	1.0	-	-	1.0	30.00	-	-	-	30.00	0.0%	0.0%	100.0%	0.0%	0.0%	-	-	-	-	-	-	-	30.00	ICT	EQUIPMENT-ICT	MAFF-GDA	MAFF	GDA		
GS	GT	3.3.1.1	ICT (Including Infrastructure, Software Development, Training, workshops and Demonstration, Policy and standards, Consultancy, Office operations and support costs)	Package	30.0	1.0	1.0	1.0	3.0	30.00	-	-	-	30.00	0.0%	0.0%	100.0%	0.0%	0.0%	-	-	-	-	-	-	-	30.00	ICT	EQUIPMENT-ICT	MAFF-GDA	MAFF	GDA		
GS	GT	3.3.1.2	Mobile app/Website (including content)	Lump sum (ICT)	30.00	-	-	-	3.0	-	30.00	30.00	30.00	90.00	0.0%	0.0%	100.0%	0.0%	0.0%	-	-	-	-	-	-	-	90.00	ICT	EQUIPMENT-ICT	MAFF-GDA	MAFF	GDA		
GS	GT	3.3.1.3	Mobile app/Website (including content)	Lump sum (ICT)	30.00	-	-	-	3.0	-	-	30.00	30.00	30.00	90.00	0.0%	0.0%	100.0%	0.0%	0.0%	-	-	-	-	-	-	-	90.00	ICT	EQUIPMENT-ICT	MAFF-GDA	MAFF	GDA	
GS	GT	3.3.1.4	Mobile to field task team (including content)	Lump sum (ICT)	30.00	-	-	-	3.0	-	-	30.00	30.00	30.00	90.00	0.0%	0.0%	100.0%	0.0%	0.0%	-	-	-	-	-	-	-	90.00	ICT	EQUIPMENT-ICT	MAFF-GDA	MAFF	GDA	
GS	GT	3.3.1.5	Internet services to field task team (including content)	Package	0.30	1.0	1.0	1.0	4.0	30.00	0.30	0.30	0.30	30.90	0.0%	0.0%	100.0%	0.0%	0.0%	-	-	-	-	-	-	-	30.90	ICT	EQUIPMENT-ICT	MAFF-GDA	MAFF	GDA		
Subtotal (ICT)						4.0	8.0	7.0	3.0	22.0	120.00	4.10	3.80	1.10	129.10																			
GS	GT	3.3.2	Software development (including content)	Lump sum (ICT)	50.00	1.0	1.0	1.0	3.0	-	50.00	50.00	50.00	150.00	0.0%	0.0%	100.0%	0.0%	0.0%	-	-	-	-	-	-	-	150.00	ICT	EQUIPMENT-ICT	MAFF-GDA	MAFF	GDA		
GS	GT	3.3.2.1	Mobile app/Website (including content)	Lump sum (ICT)	30.00	-	-	-	3.0	-	30.00	30.00	30.00	90.00	0.0%	0.0%	100.0%	0.0%	0.0%	-	-	-	-	-	-	-	90.00	ICT	EQUIPMENT-ICT	MAFF-GDA	MAFF	GDA		
GS	GT	3.3.2.2	Third party integration services (including content)	Lump sum (ICT)	20.00	-	-	-	3.0	-	20.00	20.00	20.00	60.00	0.0%	0.0%	100.0%	0.0%	0.0%	-	-	-	-	-	-	-	60.00	ICT	EQUIPMENT-ICT	MAFF-GDA	MAFF	GDA		
GS	GT	3.3.2.3	Online course support cost (including content)	Lump sum (ICT)	30.00	-	-	-	3.0	-	30.00	30.00	30.00	90.00	0.0%	0.0%	100.0%	0.0%	0.0%	-	-	-	-	-	-	-	90.00	ICT	EQUIPMENT-ICT	MAFF-GDA	MAFF	GDA		
Subtotal (ICT)						3.0	3.0	3.0	3.0	12.0	50.00																							

Climate-Friendly Agribusiness Value Chains Sector Project (CFAVC)
Fourth Quarterly Progress Report 2022: October - December

Climate-Friendly Agribusiness Value Chains Section Project
Annual Budget 2023 ('000USD)
MOWRAM

Budget Code	Proc. Code	Proc. Code	Task Description	Unit	Unit Cost ('000)	Quantity					Cost ('000 USD)					Financing Rule					Costs by Sources of Fund ('000 USD)						
						Q1	Q2	Q3	Q4	Total	Q1	Q2	Q3	Q4	Total	ADB	Lo	CF	Gra	Gov't	Beneficiaries	ADB	GCF	GCF	Gov't		
						Loan	Loan	grant	Beneficiaries	ADB	GCF	GCF	Gov't														
I. INVESTMENT COSTS on CIVIL WORKS																											
DT_1: Kampot Province Irrigation Sub-projects																											
CW	CW12	W12-B	TAKOUCH IRRIGATION SUBPROJECT (Carry from 2020)	Scheme	###	0.10	0.20	0.30	0.30	0.90	67.57	135.14	202.71	202.71	608.13	###	###	###	0.0%	0.0%	467.21	76.90	64.02	0.00	0.00		
CW	CW12	W12-F	PRAWOEK PONG IRRIGATION SUBPROJECT (Carry from 2020)	Scheme	###	-	-	0.10	0.20	0.30	-	-	26.50	53.00	79.50	###	###	###	0.0%	0.0%	61.08	10.05	8.37	0.00	0.00		
CW	CW12	W12-D	TRAPEANG BOEUNG RESERVOIR (Carry from 2022)	Scheme	###	-	-	0.10	0.20	0.30	-	-	252.00	504.00	756.00	###	###	###	0.0%	0.0%	580.81	95.60	79.59	0.00	0.00		
CW	CW12	W12-E	KANDAL IRRIGATION SYSTEM (Carry from 2022)	Scheme	###	-	-	-	0.10	0.10	-	-	-	263.00	263.00	###	###	###	0.0%	0.0%	202.06	33.26	27.69	0.00	0.00		
DT_1: Takeo Province Irrigation Sub-projects																											
CW	CW15	W15-A	PREY KDOUCH IRRIGATION SUBPROJECT (Wait for DDR)	Scheme	###	-	0.22	-	-	0.22	-	274.08	-	-	274.08	###	###	###	0.0%	0.0%	210.57	34.66	28.85	0.00	0.00		
CW	CW15	W15-B	KRAIN AMPIL IRRIGATION SUBPROJECT (Wait for DDR)	Scheme	###	-	0.22	-	-	0.22	-	98.60	-	-	98.60	###	###	###	0.0%	0.0%	75.75	12.47	10.38	0.00	0.00		
CW	CW15	W15-G	CHROUK1 & PLOV TOUK CANAL (Carry from 2021)	Scheme	###	-	-	0.10	0.30	0.40	-	-	145.0	435.0	580.00	###	###	###	0.0%	0.0%	445.60	73.34	61.06	0.00	0.00		
CW	CW15	W15-H	KWAENG TAYI CANAL (Carry from 2021)	Scheme	###	-	-	0.10	0.30	0.40	-	-	93.0	279.0	372.00	###	###	###	0.0%	0.0%	285.80	47.04	39.16	0.00	0.00		
CW	CW15	W15-J	PREY RUMDENG CANAL (Carry from 2021)	Scheme	###	-	-	0.10	0.30	0.40	-	-	18.5	55.5	74.00	###	###	###	0.0%	0.0%	56.85	9.36	7.79	0.00	0.00		
CW	CW15	W15-I	PRALAY 95 IRRIGATION SUBPROJECT	Scheme	###	-	-	-	0.10	0.10	-	-	-	86.00	86.00	###	###	###	0.0%	0.0%	66.07	10.87	9.05	0.00	0.00		
CW	CW15	W15-K	PRALAY 42 IRRIGATION SUBPROJECT	Scheme	###	-	-	-	0.10	0.10	-	-	-	176.50	176.50	###	###	###	0.0%	0.0%	135.60	22.32	18.58	0.00	0.00		
DT_1: Tbong Khmum Province Irrigation Sub-projects																											
CW	CW13	W13-A	KBAL TOEUK IRRIGATION SUBPROJECT (contract implementation)	Scheme	###	-	-	-	0.10	0.10	-	-	-	91.47	91.47	###	###	###	0.0%	0.0%	70.27	11.57	9.63	0.00	0.00		
CW	CW13	W13-B	TOUL PRING IRRIGATION SUBPROJECT (contract implementation)	Scheme	###	-	-	-	0.10	0.10	-	-	-	82.27	82.27	###	###	###	0.0%	0.0%	63.21	10.40	8.66	0.00	0.00		
CW	CW13	W13-C	TRAPEANG TROSS IRRIGATION SUBPROJECT (contract implementation)	Scheme	###	-	0.10	0.30	0.20	0.60	-	91.47	274.41	182.94	548.82	###	###	###	0.0%	0.0%	421.64	69.40	57.78	0.00	0.00		
CW	CW13	W13-F	TBONG DAMREI RESERVOIR (Carry from 2021)	Scheme	###	-	-	0.10	0.30	0.40	-	-	172.80	518.40	691.20	###	###	###	0.0%	0.0%	531.03	87.40	72.77	0.00	0.00		
CW	CW13	W13-G	KAMPONG RAING FEEDING CANAL (Carry from 2021)	Scheme	###	-	-	0.10	0.30	0.40	-	-	100.40	301.20	401.60	###	###	###	0.0%	0.0%	308.54	50.78	42.28	0.00	0.00		
CW	CW13	W13-H	CHOAM TAHEUNG IRRIGATION SUBPROJECT	Scheme	###	-	-	-	-	0.00	-	-	-	-	-	###	###	###	0.0%	0.0%	0.00	0.00	0.00	0.00	0.00		
CW	CW13	W13-I	TRAPEANG AMPIL IRRIGATION SUBPROJECT	Scheme	###	-	-	-	-	0.00	-	-	-	-	-	###	###	###	0.0%	0.0%	0.00	0.00	0.00	0.00	0.00		
DT_1: Kampong Cham Province Irrigation Sub-projects																											
CW	CW14	W14-A	PRAM KOMPHEAK IRRIGATION SUBPROJECT (Carry from 2022)	Scheme	###	-	0.10	0.30	0.50	0.90	-	124.70	374.10	623.50	1,122.30	###	###	###	0.0%	0.0%	862.23	141.92	118.15	0.00	0.00		
CW	CW14	W14-B	O'KAMPROK IRRIGATION SUBPROJECT (Carry from 2022)	Scheme	###	-	0.10	0.30	0.50	0.90	-	91.50	274.50	457.50	823.50	###	###	###	0.0%	0.0%	632.67	104.13	86.70	0.00	0.00		
CW	CW14	W14-C	TEUK CHAR WEST IRRIGATION SYSTEM	Scheme	###	-	-	-	0.10	0.10	-	-	-	265.73	265.73	###	###	###	0.0%	0.0%	204.15	33.60	27.98	0.00	0.00		
CW	CW14	W14-E	POTATRES RESERVOIR (Carry from 2021)	Scheme	###	-	-	-	0.10	0.10	-	-	-	285.03	285.03	###	###	###	0.0%	0.0%	218.98	36.04	30.01	0.00	0.00		
CW	CW14	W14-D	TEUK CHAR EAST IRRIGATION SYSTEM	Scheme	###	-	-	-	0.10	0.10	-	-	-	285.60	285.60	###	###	###	0.0%	0.0%	219.42	36.11	30.07	0.00	0.00		
Subtotal						###	0.10	0.94	1.90	4.20	7.04	67.57	815.49	1,933.92	5,148.35	7,965.33											
TABLE 3. 1.1 OTHER WATER MANAGEMENT INFRASTRUCTURE																											
CW	CW1	CW1-c	Kampong Cham 60 On-farm rainwater harvesting ponds (Carry from 2022)	pond	###	-	-	-	0.10	0.10	-	-	-	81.00	81.00	###	###	###	0.0%	7.9%	0%	0%	74.60	0.00	6.40	0.00	0.00
CW	CW1	CW1-b	Tbng Khmum 60 On-farm rainwater harvesting ponds (Carry from 2022)	pond	###	-	-	-	0.10	0.10	-	-	-	81.00	81.00	###	###	###	0.0%	7.9%	0.0%	0.0%	74.60	0.00	6.40	0.00	0.00
CW	CW1	CW1-a	Kampot 80 On-farm rainwater harvesting ponds (Carry from 2022)	pond	###	-	0.10	0.60	-	0.70	-	108.00	648.00	-	756.00	###	###	###	0.0%	7.9%	0.0%	0.0%	696.28	0.00	59.72	0.00	0.00
CW	CW1	CW1-d	Takeo 60 On-farm rainwater harvesting ponds (Carry from 2022)	pond	###	-	-	0.10	0.60	0.70	-	-	81.00	486.00	567.00	###	###	###	0.0%	7.9%	0.0%	0.0%	522.21	0.00	44.79	0.00	0.00
Subtotal						###	0.00	0.10	0.70	0.80	-	108.00	729.00	648.00	1,485.00												
10 new FWUCs and FWUGs Establishment and Capacity Building																											
2 FWUC Establishment (Carry from 2022)																											
PMO	PMO	PMO	Step1: Dissemination the information and process FWUC formation	FWUC	2.08	6	0	0	0	6.00	12.46	-	-	-	12.46	0.0%	0.0%	100%	0.0%	0.0%	0.00	0.00	0.00	0.00	0.00		
PMO	PMO	PMO	Step2: Demarcate the command areas and data collection	FWUC	0.46	0	6	0	0	6.00	-	2.77	-	-	2.77	0.0%	0.0%	100%	0.0%	0.0%	0.00	0.00	12.46	0.00	0.00		
PMO	PMO	PMO	Step3: Create the Statute Committees to draft the Statute	FWUC	1.04	0	4	3	0	7.00	-	4.17	3.13	-	7.30	0.0%	0.0%	100%	0.0%	0.0%	0.00	0.00	7.30	0.00	0.00		
PMO	PMO	PMO	Step4: Form Farmer Water User Community	FWUC	2.58	0	0	6	0	6.00	-	-	15.46	-	15.46	0.0%	0.0%	100%	0.0%	0.0%	0.00	0.00	15.46	0.00	0.00		
PMO	PMO	PMO	Step5: Reviews and awareness of the draft statute	FWUC	1.33	0	0	6	0	6.00	-	-	8.00	-	8.00	0.0%	0.0%	100%	0.0%	0.0%	0.00	0.00	8.00	0.00	0.00		
PMO	PMO	PMO	Step6: FWUC Committee Election	FWUC	1.20	0	0	0	7	7.00	-	-	-	8.38	8.38	0.0%	0.0%	100%	0.0%	0.0%	0.00	0.00	8.38	0.00	0.00		
PMO	PMO	PMO	Step7: Finalization of FWUC Statute and Action Plan	FWUC	0.99	0	0	0	7	7.00	-	-	-	6.95	6.95	0.0%	0.0%	100%	0.0%	0.0%	0.00	0.00	6.95	0.00	0.00		
PMO	PMO	PMO	Step8: FWUC Approval and Registration	FWUC	1.71	1	0	0	6	7.00	1.71	-	-	10.27	11.98	0.0%	0.0%	100%	0.0%	0.0%	0.00	0.00	11.98	0.00	0.00		
Sub-Total											14.17	6.94	26.59	25.60	73.31												
17 FWUC Capacity Building (17 Fwuc carry from 2022)																											
PMO	PMO	PMO	1 FWUC Management Training	Course	1.28	2	2	1	0	5.00	2.57	2.57	1.28	-	6.42	0.0%	0.0%	100%	0.0%	0.0%	0.00	0.00	6.42	0.00	0.00		
PMO	PMO	PMO	2 Systematic Operations	Course	1.20	0	1	2	2	5.00	-	1.20	2.41	2.41	6.02	0.0%	0.0%	100%	0.0%	0.0%	0.00	0.00	6.02	0.00	0.00		
PMO	PMO	PMO	3 Scheme Maintenance	Course	2.00	0	1	2	2	5.00	-	2.00	4.01	4.01	10.02	0.0%	0.0%	100%	0.0%	0.0%	0.00	0.00	10.02	0.00	0.00		
PMO	PMO	PMO	4 On-the-job training	Course	1.00	0	0	0	0	0.00	-	-	-	-	-	0.0%	0.0%	100%	0.0%	0.0%	0.00	0.00	0.00	0.00	0.00		
Sub-Total											2.57	5.78	7.70	6.42	22.46												
Sub-Total for FWUC Estab. & Capacity Building											16.74	12.72	34.29	32.02	95.77												
Total Annual Cost For Civil Works											84.31	936.21	2,697.21	5,828.37	9,546.10						7,487.21	1,007.22	1,051.67	0.00	0.00		

Climate-Friendly Agribusiness Value Chains Sector Project (CFAVC)
Fourth Quarterly Progress Report 2022: October - December

Climate-Friendly Agribusiness Value Chains Section Project
Annual Budget 2023 ('000USD)
MOWRAM

Budget Code	Proc. Code	Proc. Code	Task Description	Unit	Unit Cost ('000)	Quantity					Cost ('000 USD)					Financing Rule					Costs by Sources of Fund ('000 USD)					
						Q1	Q2	Q3	Q4	Total	Q1	Q2	Q3	Q4	Total	ADB	CF	Lo&CF	Gra	Gov't	reficiaries	ADB	GCF	GCF	Gov't	
																ADB CF Lo&CF Gra Gov't reficiaries					Loan	Loan	grant	Beneficiaries		
TABLE 18. PROJECT MANAGEMENT UNIT																										
A. Project Management Staff - supplementary payments																										
2. PMU Staff - MOWRAM																										
Govt	Govt	Govt	1 Gender Officer	month	0.18	3	3	3	3	12	0.54	0.54	0.54	0.54	2.16	0.0%	0.0%	0.0%	100%	0.0%	0.00	0.00	0.00	2.16	0.00	
Govt	Govt	Govt	1 Irrigation Information System officer	month	0.18	3	3	3	3	12	0.54	0.54	0.54	0.54	2.16	0.0%	0.0%	0.0%	100%	0.0%	0.00	0.00	0.00	2.16	0.00	
Govt	Govt	Govt	2 Technical Assistance and Gender Ass	month	0.15	6	6	6	6	24	0.90	0.90	0.90	0.90	3.60	0.0%	0.0%	0.0%	100%	0.0%	0.00	0.00	0.00	3.60	0.00	
Govt	Govt	Govt	4 Meteorology Assistance	month	0.15	12	12	12	12	48	1.80	1.80	1.80	1.80	7.20	0.0%	0.0%	0.0%	100%	0.0%	0.00	0.00	0.00	7.20	0.00	
Govt	Govt	Govt	3 FWUC Organization and Formulation	month	0.15	9	9	9	9	36	1.35	1.35	1.35	1.35	5.40	0.0%	0.0%	0.0%	100%	0.0%	0.00	0.00	0.00	5.40	0.00	
Govt	Govt	Govt	2 Irrigation Information Assistant	month	0.15	6	6	6	6	24	0.90	0.90	0.90	0.90	3.60	0.0%	0.0%	0.0%	100%	0.0%	0.00	0.00	0.00	3.60	0.00	
Govt	Govt	Govt	5 Technical Assistance of Irrigation Syst	month	0.15	15	15	15	15	60	2.25	2.25	2.25	2.25	9.00	0.0%	0.0%	0.0%	100%	0.0%	0.00	0.00	0.00	9.00	0.00	
Govt	Govt	Govt	4 PDOWRAM Director for 4 provinces	month	0.12	12	12	12	12	48	1.38	1.38	1.38	1.38	5.52	0.0%	0.0%	0.0%	100%	0.0%	0.00	0.00	0.00	5.52	0.00	
Govt	Govt	Govt	4 Admin & Finance Assistant	month	0.10	12	12	12	12	48	1.20	1.20	1.20	1.20	4.80	0.0%	0.0%	0.0%	100%	0.0%	0.00	0.00	0.00	4.80	0.00	
Govt	Govt	Govt	4 Gender and Social Safeguards Officers	month	0.10	12	12	12	12	48	1.20	1.20	1.20	1.20	4.80	0.0%	0.0%	0.0%	100%	0.0%	0.00	0.00	0.00	4.80	0.00	
Govt	Govt	Govt	2 RWHP assistant designed engineers	month	0.60	12	12	12	12	48	7.20	7.20	7.20	7.20	28.80	0.0%	0.0%	0.0%	100%	0.0%	0.00	0.00	0.00	28.80	0.00	
Govt	Govt	Govt	1 RWHP assistant social safeguards spe	month	0.40	12	12	12	12	48	4.80	4.80	4.80	4.80	19.20	0.0%	0.0%	0.0%	100%	0.0%	0.00	0.00	0.00	19.20	0.00	
Subtotal											24.06	24.06	24.06	24.06	96.24						0.00	0.00	0.00	96.24	0.00	
B. Other PMU Costs																										
1. Operating Costs																										
IOC	IOC	IOC	PMU - Utilities, consumables, office supp	month	1.20	2	2	2	2	8	2.40	2.40	2.40	2.40	9.60	100%	0.0%	0.0%	0.0%	0.0%	9.60	0.00	0.00	0.00	0.00	
IOC	IOC	IOC	Per diem for field travel costs/g	month	1.62	2	2	2	2	8	3.24	3.24	3.24	3.24	12.96	100%	0.0%	0.0%	0.0%	0.0%	12.96	0.00	0.00	0.00	0.00	
IOC	IOC	IOC	PDWRAM - Provincial offices (4 offices,	month	0.60	2	2	2	2	8	1.20	1.20	1.20	1.20	4.80	100%	0.0%	0.0%	0.0%	0.0%	4.80	0.00	0.00	0.00	0.00	
Govt	Govt	Govt	Financial Audit	month	7.94	0.25	0.25	0.25	0.25	1	1.99	1.99	1.99	1.99	7.94	0%	0.0%	0.0%	100%	0.0%	0.00	0.00	0.00	7.94	0.00	
Govt	Govt	Govt	Additional in-kind support to PMU-MOW	month	###	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0.00	0%	0.0%	0.0%	100%	0.0%	0.00	0.00	0.00	0.00	0.00	
Subtotal											8.83	8.83	8.83	8.83	35.30						27.36	0.00	0.00	7.94	0.00	
C. Other Vehicles for Provincial Offices																										
IOC	IOC	IOC	Fuel and Maintenance for 2 Vehicles	month	0.45	6	6	6	6	24	2.70	2.70	2.70	2.70	10.80	100%	0.0%	0.0%	0%	0.0%	10.80	0.00	0.00	0.00	0.00	
IOC	IOC	IOC	Fuel and maintenance for 3 Motor bikes	month	0.05	9	9	9	9	36	0.45	0.45	0.45	0.45	1.80	100%	0.0%	0.0%	0%	0.0%	1.80	0.00	0.00	0.00	0.00	
IOC	IOC	IOC	2 Driver's remuneration	month	0.25	6	6	6	6	24	1.50	1.50	1.50	1.50	6.00	100%	0.0%	0.0%	0%	0.0%	6.00	0.00	0.00	0.00	0.00	
1. Vehicles for Irrigation Implementation (PDWRAM)																										
IOC	IOC	IOC	Vehicle Fuel & Maintenance for 2 Vehic	month	0.35	6	6	6	6	24	2.13	2.13	2.13	2.13	8.50	100%	0.0%	0.0%	0%	0.0%	8.50	0.00	0.00	0.00	0.00	
IOC	IOC	IOC	Fuel and maintenance for 6 Motobike	month	0.06	18	18	18	18	72	1.06	1.06	1.06	1.06	4.26	100%	0.0%	0.0%	0%	0.0%	4.26	0.00	0.00	0.00	0.00	
IOC	IOC	IOC	2 Driver's remuneration	month	0.25	6	6	6	6	24	1.50	1.50	1.50	1.50	6.00	100%	0.0%	0.0%	0%	0.0%	6.00	0.00	0.00	0.00	0.00	
Subtotal											9.34	9.34	9.34	9.34	37.36						37.36	0.00	0.00	0.00	0.00	
Subtotal for Operation Costs											42.22	42.22	42.22	42.22	168.899						64.72	-	-	104.18	-	
Grant Total of MOWRAM Budget 2023											126.54	978.43	2,739.44	5,870.59	9,715.00						-	7,551.93	1,007.22	1,115.69	104.18	-

CFAVC-Climate-Friendly Agribusiness Value Chains Sector Project
Annual Budget 2023 ('000 USD)
MRD

1000

Budget Code	Proc. Code	Activity Code	Task Description	Unit	Unit Cost (USD)	Unit Cost ('000 USD)	Quantity				Cost (USD)				Financing Rule						
							Q1	Q2	Q3	Q4	Total	Q1	Q2	Q3	Q4	Total	ADB	GCF Loan	GCF Grant	Gov't	Beneficiaries
I. INVESTMENT COSTS																					
OUTPUT 1: Critical agribusiness value chain infrastructure improved and made climate resilient																					
1- CIVIL WORKS (Improving connectivity to cooperatives and markets through climate resilient farm road networks)***																					
CW	CW17	a- CW17b-CFAVC-MRD-TK3-2020 (Lot 1)	Rural road improvement in Takeo province (10.00 Km with contract value\$1,243,719.86)	Lot	1,243,719.86	1,243.72	0.20	0.20	0.11	-	0.51	248.74	248.74	139.92	-	637.41	76.827%	12.645%	10.528%	0.0%	0.0%
		Subtotal										248.74	248.74	139.92	-	637.41	76.8%	12.65%	10.5%	0.0%	0.0%
CW	CW17	a- CW17b-CFAVC-MRD-TK4-2020 (Lot 2)	Rural road improvement in Takeo province (4.67 Km with contract value\$879,298.64)	Lot	879,298.64	879.30	0.20	0.10	-	-	0.30	175.86	87.93	-	-	263.79	76.8%	12.6%	10.5%	0.0%	0.0%
		Subtotal										175.86	87.93	-	-	263.79	76.8%	12.6%	10.5%	0.0%	0.0%
CW	CW17	b- CW17c-CFAVC-MRD-TBK5-2020 (Lot 1)	Rural road improvement in Tboung Khum province (9.774 Km with contract value\$ 1,239,711.20)	Lot	1,239,711.20	1,239.71	0.20	0.20	0.20	0.15	0.75	247.94	247.94	247.94	185.96	929.78	76.8%	12.6%	10.5%	0.0%	0.0%
		Subtotal										247.94	247.94	247.94	185.96	929.78	76.8%	12.6%	10.5%	0.0%	0.0%
CW	CW17	b- CW17c-CFAVC-MRD-TBK5-2020 (Lot 2)	Rural road improvement in Tboung Khum province (12.000 Km with contract value\$ 1,444,588.37)	Lot	1,444,588.37	1,444.59	0.20	0.20	0.20	0.15	0.75	288.92	288.92	288.92	216.69	1,083.44	76.8%	12.6%	10.5%	0.0%	0.0%
		Subtotal										288.92	288.92	288.92	216.69	1,083.44	76.8%	12.6%	10.5%	0.0%	0.0%
CW	CW17	c- CW17d-CFAVC-MRD-KC7-2020 (Lot 1)	Rural road improvement in Kampong Cham province (9.882 Km with contract value\$ 1,103,011.81)	Lot	1,103,011.81	1,103.01	0.20	0.20	0.20	0.15	0.75	220.60	220.60	220.60	165.45	827.26	76.8%	12.6%	10.5%	0.0%	0.0%
		Subtotal										220.60	220.60	220.60	165.45	827.26	76.8%	12.6%	10.5%	0.0%	0.0%
CW	CW17	c- CW17d-CFAVC-MRD-KC8-2020 (Lot 2)	Rural road improvement in Kampong Cham province (4.721 Km with contract value\$611,183.48)	Lot	611,183.48	611.18	0.20	0.20	0.20	0.15	0.75	122.24	122.24	122.24	91.68	458.39	76.8%	12.6%	10.5%	0.0%	0.0%
		Subtotal										122.24	122.24	122.24	91.68	458.39	76.8%	12.6%	10.5%	0.0%	0.0%
CW	CW17	d- CW17a-CFAVC-MRD-KP1-2020 (Lot 1)	Rural road improvement in Kampong Cham province (11.948 Km with contract value \$1,266,929.22)	Lot	1,266,929.22	1,266.93	0.20	0.20	0.20	0.15	0.75	253.39	253.39	253.39	190.04	950.20	76.8%	12.6%	10.5%	0.0%	0.0%
		Subtotal										253.39	253.39	253.39	190.04	950.20	76.8%	12.6%	10.5%	0.0%	0.0%
CW	CW17	d- CW17a-CFAVC-MRD-KP2-2020 (Lot 2)	Rural road improvement in Kampong Cham province (8.104 Km with contract value \$877,375.76)	Lot	877,375.76	877.38	0.20	0.20	0.20	0.15	0.75	175.48	175.48	175.48	131.61	658.03	76.8%	12.6%	10.5%	0.0%	0.0%
		Subtotal										175.48	175.48	175.48	131.61	658.03	76.8%	12.6%	10.5%	0.0%	0.0%
CW	CW17	a- CW17a-CFAVC-MRD-KP-1A-Batch 2 (Lot 1)	Rural road improvement (DBST) in Kampong Cham province with 12.963 Km, and with estimate cost \$2,201,113.23	Lot	2,201,113.23	2,201.11	-	-	-	0.10	0.10	-	-	-	220.11	220.11	76.8%	12.6%	10.5%	0.0%	0.0%
		Subtotal										-	-	-	220.11	220.11	76.8%	12.6%	10.5%	0.0%	0.0%
CW	CW17	a- CW17a-CFAVC-MRD-KP-2A-Batch 2 (Lot 2)	Rural road improvement (DBST) in Kampong Cham province with 9.098 Km, and with estimate cost \$1,403,944.77	Lot	1,403,944.77	1,403.94	-	-	-	0.10	0.10	-	-	-	140.39	140.39	76.8%	12.6%	10.5%	0.0%	0.0%
		Subtotal										-	-	-	140.39	140.39	76.8%	12.6%	10.5%	0.0%	0.0%
CW	CW17	b- CW17b-CFAVC-MRD-TK1A-Batch 2 (Lot 1)	Rural road improvement (DBST) in Takeo province with 13.976 Km, and with estimate cost \$2,131,618.83	Lot	2,131,618.83	2,131.62	-	0.10	0.15	0.15	0.40	-	213.16	319.74	319.74	852.65	76.8%	12.6%	10.5%	0.0%	0.0%
		Subtotal										-	213.16	319.74	319.74	852.65	76.8%	12.6%	10.5%	0.0%	0.0%
CW	CW17	b- CW17b-CFAVC-MRD-TK2A-Batch 2 (Lot 2)	Rural road improvement (DBST) in Takeo province with 12.761 Km, and with estimate cost \$1,925,035.17	Lot	1,925,035.17	1,925.04	-	0.10	0.15	0.15	0.40	-	192.50	288.76	288.76	770.01	76.8%	12.6%	10.5%	0.0%	0.0%
		Subtotal										-	192.50	288.76	288.76	770.01	76.8%	12.6%	10.5%	0.0%	0.0%
CW	CW17	c- CW17c-CFAVC-MRD-TBK-1A-Batch 2 (Lot 1)	Rural road improvement (DBST) in Tboung Khum province with 16.370 Km, and with estimate cost \$2,247,270.00	Lot	2,247,270.00	2,247.27	-	-	-	0.10	0.10	-	-	-	224.73	224.73	76.8%	12.6%	10.5%	0.0%	0.0%
		Subtotal										-	-	-	224.73	224.73	76.8%	12.6%	10.5%	0.0%	0.0%
CW	CW17	c- CW17c-CFAVC-MRD-TBK-2A-Batch 2 (Lot 2)	Rural road improvement (DBST) in Tboung Khum province with 12.891 Km, and with estimate cost \$2,343,017.36	Lot	2,343,017.36	2,343.02	-	-	-	0.10	0.10	-	-	-	234.30	234.30	76.8%	12.6%	10.5%	0.0%	0.0%
		Subtotal										-	-	-	234.30	234.30	76.8%	12.6%	10.5%	0.0%	0.0%
CW	CW17	d- CW17d-CFAVC-MRD-KC-1A-Batch 2 (Lot 1)	Rural road improvement (DBST) in Kampong Cham province with 9.425 Km, and with estimate cost \$1,417,291.71	Lot	1,417,291.71	1,417.29	-	-	0.10	0.15	0.25	-	-	141.73	212.59	354.32	76.8%	12.6%	10.5%	0.0%	0.0%
		Subtotal										-	-	141.73	212.59	354.32	76.8%	12.6%	10.5%	0.0%	0.0%
CW	CW17	d- CW17d-CFAVC-MRD-KC-2A-Batch 2 (Lot 2)	Rural road improvement (DBST) in Kampong Cham province with 12.640 Km, and with estimate cost \$2,160,701.95	Lot	2,160,701.95	2,160.70	-	-	0.10	0.15	0.25	-	-	216.07	324.11	540.18	76.8%	12.6%	10.5%	0.0%	0.0%
		Subtotal										-	-	216.07	324.11	540.18	76.8%	12.6%	10.5%	0.0%	0.0%
		Total Civil Works CW17										1,733.16	2,050.90	2,414.78	2,946.15	9,144.99					
2- PROJECT MANAGEMENT UNIT																					
A. INCREMENTAL STAFF																					
1. PMU and PDRD staff																					
Govt	Govt	Project Director	month	0.25	0.000	-	-	-	-	-	-	-	-	-	-	-	0.0%	0.0%	0.0%	100.0%	0.0%
Govt	Govt	Project Manager	month	250.00	0.250	3	3	3	3	12.00	0.75	0.75	0.75	0.75	3.00	0.0%	0.0%	0.0%	100.0%	0.0%	
Govt	Govt	Social Guard	month	180.00	0.180	3	3	3	3	12.00	0.54	0.54	0.54	0.54	2.16	0.0%	0.0%	0.0%	100.0%	0.0%	
Govt	Govt	Civil Engineer	month	180.00	0.180	3	3	3	3	12.00	0.54	0.54	0.54	0.54	2.16	0.0%	0.0%	0.0%	100.0%	0.0%	
Govt	Govt	Gender Officer	month	180.00	0.180	3	3	3	3	12.00	0.54	0.54	0.54	0.54	2.16	0.0%	0.0%	0.0%	100.0%	0.0%	
Govt	Govt	PDRD Director	month	0	0.000	3	3	3	3	12.00	-	-	-	-	-	0.0%	0.0%	0.0%	100.0%	0.0%	
Govt	Govt	Rural road Technician (3 staff x \$100)	month	300.00	0.300	3	3	3	3	12.00	0.90	0.90	0.90	0.90	3.60	0.0%	0.0%	0.0%	100.0%	0.0%	
Govt	Govt	Admin & Finance Assistant (4 staff x \$100)	month	400.00	0.400	3	3	3	3	12.00	1.20	1.20	1.20	1.20	4.80	0.0%	0.0%	0.0%	100.0%	0.0%	
Govt	Govt	Road Taxes	Lumpsum	2,800.00	2.800	-	-	-	1	-	1.00	-	-	2.80	-	2.80	0.0%	0.0%	0.0%	100.0%	0.0%
		Subtotal										4.47	4.47	7.27	4.47	26.68					
Govt	Govt	2. Technical Contact Points	month	226.00	0.226	3	3	3	3	12.00	0.68	0.68	0.68	0.68	2.71	0.0%	0.0%	0.0%	100.0%	0.0%	
Govt	Govt	MRD - Rural Roads	month	3.64	0.004	3	3	3	3	12.00	0.01	0.01	0.01	0.01	0.04	0.0%	0.0%	0.0%	100.0%	0.0%	
		Additional in-kind support	month																		
		Subtotal										0.69	0.69	0.69	0.69	2.76					
B. Operation and Management Costs																					
IOC	IOC	-Vehicle Operating Costs (PIU & PDRD) (7 vehicles X \$450*12 Months)	month	450.00	0.450	21	21	21	21	84.00	9.45	9.45	9.45	9.45	37.80	100.0%	0.0%	0.0%	0.0%	0.0%	
IOC	IOC	-Motorbike Operating Costs (PIU) (1 Motorbike X \$50*12 Months)	month	50.00	0.050	3	3	3	3	12.00	0.15	0.15	0.15	0.15	0.60	100.0%	0.0%	0.0%	0.0%	0.0%	
IOC	IOC	- Office Operation (PIU \$350 & PDRDs= 4x\$100)	month	750.00	0.750	3	3	3	3	12.00	2.25	2.25	2.25	2.25	9.00	100.0%	0.0%	0.0%	0.0%	0.0%	
IOC	IOC	- Per diem & DSA for 5 persons for PIU (10days/month/person = (34*8+14*2)*5)	month	300.00	0.300	15	15	15	15	60.00	4.50	4.50	4.50	4.50	18.00	100.0%	0.0%	0.0%	0.0%	0.0%	
IOC	IOC	- Per diem & DSA for 4 PDRDs (2 persons for 10 days/month/person and 1 person 5 days/month/person. for each province = ((8*34+2*14)*2+(4*34+14))	province	75																	

CFAVC-Climate-Friendly Agribusiness Value Chains Sector Project
Annual Budget 2020 (USD)
ALL EA and Ias

Executing Agency	Source of Funds	Cost ('000USD)				
		Q1	Q2	Q3	Q4	Total
MAFF	ADB	1,987.02	4,021.53	3,581.20	2,997.80	12,587.56
	GCF Loan	-	-	-	-	-
	GCF Grant	1,589.64	3,217.27	2,865.00	2,398.27	10,070.18
	RGC	85.43	172.90	153.97	128.89	541.19
	Beneficiaries	78.22	158.30	140.97	118.00	495.49
	Total	3,740.31	7,570.00	6,741.14	5,642.97	23,694.42
MOWRAM	ADB	68.09	742.16	2,173.36	4,568.31	7,551.93
	GCF Loan	8.54	103.12	244.55	651.01	1,007.22
	GCF Grant	23.85	107.10	295.49	625.23	1,051.67
	RGC	26.05	26.05	26.05	26.05	104.18
	Beneficiaries					
	Total	126.54	978.43	2,739.44	5,870.59	9,715.00
MRD	ADB	1,370.09	1,614.20	1,893.76	2,302.00	7,180.05
	GCF Loan	219.16	259.34	305.35	372.54	1,156.39
	GCF Grant	182.47	215.92	254.23	310.17	962.78
	RGC	5.16	5.16	7.96	5.16	23.44
	Beneficiaries	-	-	-	-	-
	Total	1,776.88	2,094.61	2,461.29	2,989.87	9,322.65
OVERALL TOTALS	ADB	3,425.21	6,377.90	7,648.32	9,868.11	27,319.54
	GCF Loan	227.70	362.46	549.90	1,023.56	2,163.61
	GCF Grant	1,795.96	3,540.29	3,414.71	3,333.67	12,084.63
	RGC	116.63	204.11	187.98	160.09	668.81
	Beneficiaries	78.22	158.30	140.97	118.00	495.49
GRAND TOTAL		5,643.72	10,643.05	11,941.87	14,503.43	42,732.07

សង្ខេបថវិកាតាមសកម្មភាពនីមួយៗ

	MAFF	MOWRAM	MRD	TOTAL
1.1 Rehabilitating water management infrastructure to climate resilient condition គ្រប់គ្រងហេដ្ឋារចនាសម្ព័ន្ធប្រភពទឹកឆ្លើយតបភាពធន់ការប្រែប្រួលអាកាសធាតុ	169.00	9,450.33	-	9,619.33
1.2 Upgrading agricultural cooperative value chain infrastructure ធ្វើអោយប្រសើរហេដ្ឋារចនាសម្ព័ន្ធខ្សែច្រវាក់តម្លៃសហគមន៍កសិកម្ម	7,735.14	-	-	7,735.14
1.3 Improving connectivity to cooperatives and markets through climate resilient farm road networks ការធ្វើឱ្យប្រសើរឡើងនូវកាតភ្ជាប់ផ្លូវពីសហគមន៍កសិកម្មទៅផ្លូវធំ ឬផ្សារដែលធន់នឹងបម្រែបម្រួលអាកាសធាតុ	-	-	9,144.99	9,144.99
1.4 Strengthening infrastructure for agricultural quality and safety testing កែលម្អហេដ្ឋារចនាសម្ព័ន្ធធ្វើតេស្តគុណភាព និងសុវត្ថិភាពផលិតផលដំណាំ	441.41	-	-	441.41
1.5 Promoting renewable energy for value chain improvement លាមពលកកើតឡើងវិញសម្រាប់ការកែលម្អខ្សែសង្វាក់ផលិតកម្ម	3,846.05	-	-	3,846.05
Subtotal (សរុបតាមផ្នែក)	12,191.60	9,450.33	9,144.99	30,786.92
2.1 Deploying climate resilient varieties ការផលិត និងផ្សព្វផ្សាយពូជដែលធន់នឹងការប្រែប្រួលអាកាសធាតុ	934.659	-	-	934.66
2.2 Strengthening capacity in climate friendly production practices and technologies ការពង្រឹងសមត្ថភាពនៃការអនុវត្តកសិកម្មដោយភាគរ:បរិស្ថាន	1,686.42	95.77	-	1,782.19
2.3 Promoting farm mechanization and extension ផ្សព្វផ្សាយនិងការប្រើប្រាស់គ្រឿងយន្តបន្លំយកម្មកសិកម្ម	2,865.127	-	-	2,865.13
Subtotal (សរុបតាមផ្នែក)	5,486.21	95.77	-	5,581.98
3.1 Formulating climate friendly agribusiness policies and standards ការសិក្សា និងរៀបចំគោលនយោបាយ និងស្តង់ដារ	431.10	-	-	431.10
3.2 Promoting green finance and risk sharing mechanisms ការលើកកម្ពស់ហិរញ្ញប្បទានបៃតង និងយន្តការចែករំលែកហានិភ័យ	1,085.30	-	-	1,085.30
technologies (ICT) ការគាំទ្រការគ្រប់គ្រងហានិភ័យអាកាសធាតុតាមរយៈបច្ចេកវិទ្យាទំនាក់ទំនងនិងព័ត៌មាន	766.00	-	-	766.00
Subtotal (សរុបតាមផ្នែក)	2,282.40	-	-	2,282.40
total (សរុប)	19,960.21	9,546.10	9,144.99	38,651.30
Project Management				
MAFF	3,734.22	-	-	3,734.22
MOWRAM	-	168.90	-	168.90
MRD	-	-	177.66	177.66
UNASSIGNED	-	-	-	-
total (សរុបរួម)	23,694.42	9,715.00	9,322.65	42,732.07

42,732.07

Annual Work-Plan and Budget 2023 for MAFF

No.	Output Activities	Total ('000 USD)	Total USD
OUTPUT 1: (លទ្ធផលទី ១) Critical agribusiness value chain infrastructure improved and made climate-resilient.		12,191.60	12,191,603.09
1	Total activity 1.1: Drip irrigation demonstration	169.00	169,000.00
2	Total of Activity 1.2: Upgrading AC value chain infrastructure	7,735.14	7,735,140.40
3	Total of Activity 1.4: Support NAL improvement	441.41	441,412.69
4	Total of activity 1.5: promoting renewable energy	3,846.05	3,846,050.00
OUTPUT 2: (លទ្ធផលទី ២) Climate-smart agriculture and agribusiness promoted		5,486.21	5,486,205.82
1	Total of Activity 2.1: Seed deployment (CS3)	934.66	934,659.00
2	Total of Activity 2.2: Strengthening capacity in climate friendly	1,686.42	1,686,420.00
3	Total of activity 2.3: Promoting farm mechanization and extension	2,865.13	2,865,126.82
OUTPUT 3: (លទ្ធផលទី ៣) Enabling environment for climate smart agribusiness enhanced		2,282.40	2,282,400.00
1	Total of activity 3.1: Formulating Climate-Friendly Agri-business Policy	431.10	431,100.00
2	Total of activity 3.2: Promoting green finance and risk sharing mechanism	1,085.30	1,085,300.00
3	Total of activity 3.3: Supporting climate risk management through information and communication technologies (ICT)-CS4	766.00	766,000.00
TOTAL for 3 Output		19,960.21	19,960,208.91

Table-3b - List of CS5/MRD and the schedule for International, National keys and National non keys experts to be deployed and mobilized.

No:	Expert Name	Position	Input after Re-Structure VO10 and VO17	2021							2022							2023							Request Additional input P.M														
				Jul	Aug	Sep	Oct	Nov	Dec	P.M	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	P.M	Jan		Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	P.M					
EXPERTS (International)																																							
1	Mr. Dinesh K Shrestha	Irrigation Design Engineer/TL																																1	1				
2	Mr. Tissa Ariyaratne	Social Safegurad Specialist																																1	1				
KEY EXPERTS (National)																																							
3	Mr. KHIN Toda,	Road Design Engineer/ DTL	19																																6	12	9	8	
4	Mr. SAM Sothearo,	Road Design Engineer	15																																	6	7	4	2
5	Mr. CHHUN Bunmeng	Socio Economist	4																																	4	4	4	4
6	Mr. BUN San/ New replacement	Social Safeguards Specialist	14																																5.86	5	9	6	
7	Mr. Yet Savuth	Social Safeguards Specialist	12																															0.41	12	9	10		
8	Mr. Sean Sitha	Environment Safeguards Specialist	11																																2.72	8.28	2	2	
NON-KEY EXPERTS (NATIONAL)																																							
9	Mr. IM Daro	Auto-CAD Specialist	13																																	5	8	0	-
10	Mr. SAMOEUN Keo	Auto-CAD Specialist	16																																	5	12	6	7
11	Mr. CHHOUN Sovannara	Auto-CAD Specialist	16																																	4	12	3	3
12	Mr. LOM Udom	Assistant Road Design Enginee	10																																	4	6	0	-
13	Mr. SEAM Hak	Social Development and Gender Specialist	5																																2.14	2.86	0	-	
14	Mr. SUY Poline	Procurement Specialist	6																																	6	6	5	5
15	New Proposed position	Social Safeguard Specialist and resettlement-3																																			7	7	
			141																															41.1	95.1	58	54		