



MAFF



MOWRAM



MRD

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 Consultants

**MONTHLY REPORT
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1. OVERALL PHYSICAL PROGRESS

- (i) The accumulative project physical progress as of reporting period is achieved 15.39%, while the progress during January 2021 is achieved 1.61%. Meanwhile, the accumulative physical progress against AWPB 2021 is reached 1.61%.

2. AWP 2021

- (i) On 21 January 2021 MEF issued their corrected version of the AWPB 2021 as shown in Tab1 1 below. The 2021 AWPB amounts to US\$ 32,548,510 with details shown in Table 26. The total allocation for Output I is US\$ 23,852,850, for Output 2 US\$ 2,907,300 and for output 3 US\$ 1,070,750 as shown in Table 2. The combined allocation for TA and consultants is US\$ 4,504,190. The AWP 2021 does not carry any budget for DMF output 1.b, the construction of rainwater harvest ponds and drip irrigation for reasons that the RCG has still not decided which IE should implement these activities.

Table 1: CFAVC 2021 AWP Budget per Implementing Agency

Executing Agency	Cost ('000USD)					
	Q1	Q2	Q3	Q4	Total	%
MAFF	1,881,96	5,781,86	5,267,440	3,666,460	16,597,71	51.0
MOWRAM	215,87	929.22	3,607,620	4,704,180	9,456,87	29.0
MRD	258,92	1,107,85	1,754,340	3,372,830	6,493,93	20.
TOTAL	2,356.75	7,818,920	10,629,390	11,743,460	32,48,510	100.0

Table 2: 2021 AWP BUDGET per DMF Output (0,000\$)

DMF	MAFF	MOWRAM	MRD	TOTAL
1.a Irrigation	0	8,975,300	0	8,975,300
1.b ponds/drip n	0	0	0	0
1.c farm road	0	0	6,328,270	6,328,270
1.d Agricultural cooperative	6,085,460	0	0	6,085,460
1.e Laboratories	1,067,050	0	0	1,067,050
1.f Renewable energy	1,387,770	0		1,387,770
subtotal Output 1	8,549,279	8,975,300	6,328,270	23,852,850
2.a Climate varieties	332,310	0	0	332,307
2.b Capacity in climate friendly practices	1,205,130	0	0	1,205,130
2.c FUWS formatted and trained in O&M	0	204,950	0	204,950
2.d.1. PADDC	279,560	0	0	279,5605
2.d.2 farm mechanization	885,350	0	0	885,350

DMF	MAFF	MOWRAM	MRD	TOTAL
subtotal	2,702,350	204,950	0	2,907,300
3.a.1 Climate friendly agribusiness policies	211,970	0	0	211,970
3.b. GAP for tropical fruit	44,500	0	0	44,500
3.c. GAP for organic fertilizer	24,100	0	0	24,100
3.d. Staff trained in CSA/Green finance	62,400	0	0	62,400
3.e. Agribusiness training green finance and CSA	160,100	0	0	160,000
3.f. Climate-risk sharing mechanisms	25,480	0	0	25,480
3.g. Supporting climate risk management ICT	542,200	0	0	542,200
subtotal output 3	1,070,750			1,070,750
Project Management (incl social safeguards and Gender)	969,636	276,620	165,660	1,198,490
Consultancy Services	3,305,690	0	0	3,305,700
	4,275,326	276,620	165,660	4,504,190
TOTAL	16,597,710	9,456,870	6,493,930	32,548,510

3. SOCIAL DUE DILIGENCE

- (i) Main activities achieved by the Social Safeguard and Resettlement experts of CS1 team is the following:
- Preparation of the 2nd Semi Annual Monitoring Report, 65% completed
 - Preparation of the MAFF component DDR for Year 2020 subprojects, 85% completed
 - Submission of the social safeguard requirements report for irrigation subproject TK Package 3 to MOWRAM for in cooperating into Bidding document on Irrigation subprojects, the activity completed 95%,
 - Conducting the DMS (completed 50%) and pegging of road centerline (100% completed), and conducting Public Consultation with Ahs (completed 100%) for Takeo road subproject Package 1.
 - Preparation of Annual Report on social safeguards for MAFF subprojects, (95% completed),
 - Update of the DDR for the Kbal Tuek and Toul Pring irrigation subprojects as prepared by CS5. It is expected that the final version will be submitted to MoWRAM PMU before the end of Jan, 2021
 - The compensation payments for the 3 AHs at Trapeang Run irrigation system was done (100%)
 - GRM establishment for category C subprojects is under the process of preparing, completed 45%

4. ENVIRONMENTAL DUE DILIGENCE

- (i) Activities achieved for the Environmental Due Diligence as of 15 Jan 2021 are as following:
- (a) Continue closely working with CS5 team to review and finalized the draft IEE/EMP for irrigation subprojects package 2 in Tboung Khmum province. The report was sent to TL/DTL for further submission to ADB for reviewing and commenting.
 - (b) Continue working closely with CS5 team to finalize the draft IEE/EMP for rural road subproject package 2 in Tboung Khmum province. The report was sent to International environmental expert and TL for finalizing.
 - (c) Finalized the reviewing of the CEMP and conducted site monitoring on ENV for Trapeang Run Irrigation subproject. The CEMP was sent back to contractor for revising.
 - (d) Finalized the Semi-Annual Environmental Monitoring report (July-December, 2020) and the report was sent to TL for submission
 - (e) Working on the drafting the IEE/EMP for road subprojects package 3 in Kampong Cham province, which is planned in 2020
 - (f) Working on the drafting of the IEE/EMP for irrigation subproject package No. CFAVC-MOWRAM-TK-CW15.1 No. CFAVC-MOWRAM-TK-CW15.1 in Takeo province
 - (g) Continue working on revising of the IEE/EMP for subprojects in MAFF after receiving comment from ADB.
 - (h) Activities planned for Feb 2021 are as below:
 - (i) Continue closely working with CS5 team to revise IEE/EMP for irrigation subprojects package 2 in Tboung Khmum province after receiving comment from ADB.
 - (j) Continue closely working with CS5 team to revise IEE/EMP for rural road subproject package 2 in Tboung Khmum province after receiving comments from ADB.
 - (k) Continue to work on the drafting of the IEE/EMP for road subproject 3 in Kampong Cham province
 - (l) Continue working on the drafting IEE/EMP for road subproject package No. CFAVC-MOWRAM-TK-CW15.1 No. CFAVC-MOWRAM-TK-CW15.1 in Takeo province.
 - (m) Constraints facing by the Environmental due diligent
 - (n) Lack of secondary data as well as baseline data including socio-economic survey and environmental survey reports for compiling the reports
 - (o) Covid-19 constraint.

5. GENDER

- (i) Main activities achieved by Gender are as following:
- (a) Data entry for the Sex- disaggregate data,
 - (b) Preparation of GAP monitoring and annually reports and preparation of CFAVC gender program implementation for year 2020 & 2021
 - (c) Preparation of Gender monitoring indicators.
 - (d) Preparation of Gender impact checklist questionnaire for FWUC and ACs
 - (e) Preparations of drafts Gender monitoring 2020 annual report

6. PROGRESS OUTPUT 1

6.1. Output 1.a: Rehabilitation of Irrigation Schemes (AWP2021 budget US\$ 8,975,300)

- (i) Main activities achieved by Output 1.a are as following
 - (a) Conducting Agro-socio economic survey, which consisting of Processing of Agro-socio-economic data for Mlech Irrigation Sub Project, and Processing of Agro-socio-economic data for Takoch (Brawoek Pong) Irrigation Sub-project.
 - (b) Preparation of the ToR and bidding document for conducting topographical survey for the 2021 subprojects
- (ii) Irrigation Feasibility Study
 - (a) Preparation of Feasibility Study report for Prey Kdounh (550ha) and Kraing Empil (200ha) irrigation subprojects for package 3 in Takeo province. The draft report completed and has been submitted to CS1 for reviewing and is awaiting Gender inputs.
 - (b) Preparation of Feasibility Study report for Pram Kumpheak (635ha) and Ou Kamprok (320ha) irrigation subprojects for package 4 in Kampong Cham province. The contents of the report including 1) Crop water requirement and water balance analysing completed calculation, 2) System layouts of irrigation network and structures location is prepared, 3) Irrigation flow diagram 4) BOQ estimation are preparing for both subprojects.
- (iii) Detailed Engineering Designs and Tender file Preparation
 - (a) Finalizing of the technical drawing for Irrigation subprojects package 2 in Tboung Khmum province following comments from CS1 and the drawings were printout for final submission to CS1 for reviewing.
 - (b) Finalizing the DED for irrigation subproject Package 3 (Prey Kdouch and Kraing Empil) in Takeo province, the technical Drawings and BOQ were prepared and were submitted to CS1 for reviewing,
 - (c) The DED study for irrigation subproject package 4 (Pram Kompheak and O Kamprok) in Kampong Cham province is in the process of preparing. The design include Canals and structures in O Kamprok and long profile drawings and computation of earth work.

6.2. Output 1.b: 800 on-farm rainwater harvesting ponds commissioned (AWP 2021 budget US 0).

- (iv) Main activities achieved by Output 1.b are :
 - (a) finalization of the selection criteria report and DED for the first 60 ponds
 - (b) finalization of the draft Tender Documents for Procurement.

6.3. Output 1.c: At least 250 km of farm roads upgraded to climate resilient standards (AWP 2021 budget US 6,328,270).

- (i) Main activities achieved by Output 1.c are as following
 - (a) Preparation for survey studies for conducting the Topographic survey for the 2021 road subprojects, package 5 to package 12 in the four provinces. The Expression of Interest and Quotation for selection of contractors are in the process of preparing,
 - (b) **Preparation of bidding document for Traffic Volume Count Survey and Economic Analysis for 2021 subproject was completed.** It is now awaiting for the approval to use the provisional sum for the traffic count survey and economic analysis survey.
- (ii) Preparation of the Feasibility Study
 - (a) The technical drawings for package 3 road design in Kampong Cham province was revised after getting feedback from MRD. The first revision was made and submitted to MRD.

- (b) Preparation of FSR for road subprojects package 4 in Kampot province. The report is under reviewing and awaiting inputs from other specialists such as Gender.
- (c) Preparation of FSR for road subproject package 5 and package 9 in Kampot province for year 2021.
- (iii) Detailed Engineering Designs and Tender file preparation
 - (a) Revision of the drawing of the road subproject package in Kampot province after receiving feedback from MRD. The drawings were once submitted to MRD for first revision.
 - (b) The Bidding document for road subproject package 3 in Kampong Cham Province is under the process of preparing,
 - (c) Preparation and Reviewing the Bill of quantity (BOQ) for road subproject package 4 in Kampot Province.

6.4. Output 1.d: 80 agricultural cooperatives have integrated adaptation measures (AWP 2021 budget US 6,085,460). The progress is:

- (i) The activities under output 1.d are as following:
- (i) Kampong Cham province: 9 potential ACs identified and selected, 5 value chain infrastructures identified (1 rice seed storage, 3 paddy (grain) storage, 1 cassava chip storage)
- (ii) Bidding for the 20 ACs storage/warehouses planned in 2020 was done and the draft BER was prepared and was submitted to the PMU on 23rd Jan 2021 for reviewing and commenting.
- (iii) During 2021, 35 ACs Storage/warehouses are planned and during the reporting period their design, drawings, cost estimates and the draft bidding documents were prepared for two packages. Those draft bidding documents were submitted to the PMU for reviewing and for further processing.
- (iv) Agreement between PDAFF and ACs was made on land fill and construction of fences for the storage facilities, which is going to be support by the project. Among those
 - (a) 13 agreements were made between PDAFF and ACs in Kampot province
 - (b) 10 agreements were made between PDAFF and ACs in kampong Cham province,
 - (c) 14 agreements were made between PDAFF and ACs in Tboung Khmum province

6.5. Output 1.e: Crop product quality and safety testing laboratory equipment upgraded (AWP 2021 budget 1,067,050).

- (i) No activity progress

6.6. Output 1.f Installation of 12,000 Bio-digesters and Installation of 6,000 Compost Huts (AWP2021 budget US 1,387,770)

- (i) Meeting and discussion with GDAHP on AWPB 2021 for Biodigester and Compost hut. As results from the meeting, the GDAHP approved on the planned biodigester and compost huts for AWPB2021.
- (ii) The bidding document for the biodigester and compost hut was revised following comments from the ADB and it is now under the process updating following the new SOP,
- (iii) Preparation of booklets and information signboard for printing and installation within target provinces.
- (iv) Construction of biodigester and compost hut demo for research and development and identification of eligible farmers to be used as model farmers for integrated farming practices within target provinces as the following;

- (a) In Kampong Cham province: one demo biodigester and compost hut was constructed and installed in Thnal Bek village, Chamkar Leu district,
- (b) Preliminary identification and selection of 19 eligible farmers to be used as model farmers for conducting integrated farming system on effective use of bio-slurry,
- (c) In Tboung Khmum province: identification and selection of 19 eligible farmers to be used as model farms for conducting the integrated farming system demonstration on effective use of biodigester and bio-slurry.
- (d) In Takeo province: One biodigester and one compost hut were constructed in Trapaing Kranhuong commune, Tramkak district for R&D. And agriculture inputs were distributed to 19 model farmers for conducting integrated farming system on effective use of biodigester and compost hut for supporting crop diversification production.
- (e) In Kampot province, two demo biodigester and one compost hut were constructed for R&D at Kamonp village, Dambouk Kpuos commune, Angkor Chey district. And 18 farmers were identified and selected to be used as model farmers for conducting field demonstration on integrated farming system practice by using bio-slurry product

7. PROGRESS OUTPUT 2

7.1. Output 2.a: 3 additional climate resilient varieties of rice and maize released (AWP 2021 budget US 332,310).

- (i) CS3, Organized technical meeting with CARDI to discuss and finalized the TOR with CARDI for Variety Development Consulting Firm by the International Rice Research Institute (IRRI). The ToR was submitted to Dr. Srinivasan Ancha (ADB) for re-reviewing and to get NOL

7.2. Output 2.b.1 Output 2.b Capacity in climate friendly practices improved (AWO 2021 budget US\$ 1,205,130)

- (i) Training of 40,000 Farmers in Climate-Smart Agriculture (CSA)-
- (ii) A total of 95 training courses on Farm mechanization, Mango CamGAP, Rice sustainable platform (SRP), Climate smart agriculture (CSA) were allocated to relevant department under GDA. Following are the results of reviewing and updating of training reports:
 - (a) 20 training on Farm Mechanization were conducted by the GDA team,
 - (b) 35 training on SRP were conducted by Department of Rice Crops (DRC),
 - (c) 20 training on CSA were conducted by Department of Rice Crops (DRC),
 - (d) 10 training on CAMGAP for mango were conducted by DSPS.
- (iii) Conducted survey and collect data for laser land levelling. Eligible farmers for laser land levelling were identified under FWUC within the irrigation systems and from the AC in Takeo province. Followings are achieved:
 - (a) 5 AC has been surveyed to identify eligible farmers for adopting the laser land levelling technology, and those 5 ACs are 1) Trapaing Kranhuong AC, 2) Trapaing Kralanh AC, 3) Steung Slakuo AC, 4) Sdok Sdam AC, and 5) Kampeng Soksensambo AC.
 - (b) Number of eligible farmers for conducting laser land leveling will be presented in next monthly progress report
 - (c) FWUCs has been surveyed to identify eligible farmers for adopting the laser land levelling. Those FWUCs are 1) Kraing Ampil and 2) Prey Kduoch irrigation schemes located in Tram Kak district, Takeo province,
 - (d) Conducted survey and collect data on laser land levelling in Takeo province.

- (iv) Drip irrigation system demonstration.
 - (a) During the reporting period the design of the two drip irrigation systems planned in 2020 were done. And in 2021, eight drip demonstration sites are planned, those sites have been identified and their design will be done later.
 - (b) Output 2.B Training 40,000 Farmers in Agribusiness–
 - (c) Review and update to complete 10 training reports from the Department of Agriculture Cooperative promotion and Development (DACP) of GDA.
 - (d) Postharvest and value chain infrastructure identified and support to the selected potential ACs for 2021
 - (a) Kampot province: 8 potential ACs and 8 value chain infrastructures identified and selected (3 rice seeds storage, 5 paddy (grain) storage)
 - (b) Takeo province: 13 potential ACs and 13 value chain infrastructures identified and selected (5 rice seeds storage, 8 paddy (grain) storage)
 - (c) Tboung Khmum province: 9 potential ACs and 9 value chain infrastructures identified and selected (1 rice seeds storage, 4 paddy storage, 4 cassava chip storage)

7.3. Output 2.c1. Making 27 FWUC/FWUGs Operational (AWP 2021 budget US 209,950).

- (i) Not yet

7.4. Output 2.c.2 500 FWUC members developed capacity to operate and maintain their irrigation systems (AWP 2021 no budget).

- (i) Not yet

7.5. Output 2.d.1: 4 Provincial Agriculture Development Centers (PADC) AWP 2021 budget US\$ 279,560

- (i) Three new PADCs buildings were designed and the tendering process is under the process of preparation of the Bid Evaluation Report. Those three new PADCs building are in Kampong Cham, Tbong Khmum and Takeo provinces. One PADC in Kampot province is planned to rehabilitate the existing building of the Kampot Provincial Department of Agriculture. The rehabilitation plan cost estimate has been prepared and the rehabilitation works will be planned in 2021.

7.6. Output 2.d.2: 4 Mechanization Engineering Workshops (MEW) made fully operational to provide agricultural services. (AWP2021 budget US 885,350).

- (i) Three new Mechanization workshop buildings were designed and for the tendering process the draft Bid Evaluation Report was prepared and was submitted to the PMU. Those three new Mechanization workshop buildings are located in Kampong Cham, Tbong Khmum and Kampot provinces. One Mechanization Workshop in Takeo province has been originally planned to provide tools and equipment to the existing workshop, however later on the Takeo PDAFF requested to the project for new building with equipment instead of provision of tools to the existing workshop. The request has been made to the ADB requesting for new Mechanization Workshop in Takeo and the PMU is doing following on this matter.

8. PROGRESS OUTPUT 3

8.1. Output 3.a.1. Formulation of Policy on Climate Smart and Gender-Responsive

Agribusiness and PP framework (AWP 2021 budget 211,970) –

- (i) Not yet, waiting for approval of AWPB 2021

8.2. Output 3.b: Endorsing good Agricultural Practices for Tropical Fruits (AWP2021 budget US 44,500)

- (i) No activities undertaken.

8.3. Output 3.c: Endorsing good Agricultural Practices for Organic Fertilizers (AWP 202 budget US\$ 24,100)

- (i) No activities undertaken.

8.4. Output 3.d 50 Staff from Financial Institutes trained in CSA and Green Finance (AWP 2021 budget US 62,400)

- (i) No activities undertaken awaiting mobilization CS2 experts.

8.5. Output 3.e: 30 Agribusinesses trained in Green Finance and CSA (AWP 2021 budget US 160,100)

- (i) No activities undertaken awaiting mobilization of CS2 experts.

8.6. Output 3.f: 20,000 Households Trained in Climate Risk Sharing (AWP 2021 budget 25,480)

- (i) No activities undertaken awaiting mobilization of CS2 experts.

8.7. Output 3.g: Supporting Climate Risk Management through Information and Communication Technologies (ICT) (AWP2021 budget US 542,200).

- (i) No activities yet awaiting mobilization of CS4 consultants

9. PROCUREMENT AND CONTRACT MANAGEMENT

- (i) Table 3 shows the progress with the preparation of Tender documentation for the implementation of all MAFF CW contracts.

Table 3: Update CFAVC MAFF Procurement Preparation Status per 25 December 2020

DMF	Civil Works	Drafter	Current Status
1.d	Improvement of ACS	CS1	Draft Bid evaluation report was prepared and was submitted to the PMU for reviewing and commenting.
1.e	Laboratory upgrade	CS1	No activity yet
	Bio digester and compost huts	CS1 and CS2	The bidding document has been revised based on ADB comments and it is now is in the process of updating to follow the new SOP.

2.c	Provincial Agriculture Development centers (PADC)	CS1	The bid evaluation report in is the process of drafting.
2.d	Engineering workshops	CS1	Draft Bid evaluation report was prepared and was submitted to the PMU for reviewing and commenting.

10. FINANCIAL MANAGEMENT

- (i) At this moment of drafting this report are the 2020 financial progress data now known yet.

11. MPLEMENTATION CONSTRAINTS

11.1. Upcoming ADB review Mission

- (i) Planned for February 2021.

11.2. Conclusions and Recommendations

- (i) The project has a number of issues which have to be discussed with the mission as follows:
- (a) The project structure, and the distribution of the tasks to implement the rainwater harvest ponds have to be reinforced to allow for smooth project implementation in the future.
 - (b) The implementation of a baseline survey to study the 4 value-chains is still very much needed.
 - (c) With regards to the TA allocations for FS & DD for CS5 and the distribution of tasks for social safeguard and environmental screening between CS 1 and CS5 changes are needed. It is strongly recommended to prevent overlapping assignments in the new arrangements.
 - (d) The staffing issue of CS2 is a separate issue and needs urgent addressing. One option would be direct recruitment by the ADB for certain positions.